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TABLES OF THE THERMODYNAMIC PROPERTIES OF AIR AND THE EXHAUST GAS FROM A TURBINE ENGINE

John M. Pelton, et al

Arnold Engineering Development Center
Arnold Air Force Station, Tennessee

March 1976

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ARNOLD ENGINEERING DEVELOPMENT CENTER
AIR FORCE SYSTEMS COMMAND
ARNOLD AIR FORCE STATION, TENNESSEE 37389

March 1976

Final Report for Period July 31, 1972 – June 30, 1974

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1 REPORT NUMBER AEDC-TR-76-16	2 GOVT ACCESSION NO	3 RECIPIENT'S CATALOG NUMBER
4 TITLE (and Subtitle) TABLES OF THE THERMODYNAMIC PROPERTIES OF AIR AND THE EXHAUST GAS FROM A TURBINE ENGINE		5 TYPE OF REPORT & PERIOD COVERED Final Report - July 31, 1972 - June 30, 1974 6. PERFORMING ORG. REPORT NUMBER
7 AUTHOR(s) J. M. Pelton and K. L. Hannah - ARO, Inc.		8. CONTRACT OR GRANT NUMBER(s)
9 PERFORMING ORGANIZATION NAME AND ADDRESS Arnold Engineering Development Center (DY) Arnold Air Force Station Tennessee 37389		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS Program Element 65807F
11 CONTROLLING OFFICE NAME AND ADDRESS Arnold Engineering Development Center(DYFS) Air Force Systems Command Arnold Air Force Station, Tennessee 37389		12. REPORT DATE March 1976 13. NUMBER OF PAGES 166
14 MONITORING AGENCY NAME & ADDRESS(if different from Controlling Office)		15. SECURITY CLASS. (of this report) UNCLASSIFIED 15a. DECLASSIFICATION DOWNGRADING SCHEDULE N/A

16 DISTRIBUTION STATEMENT (of this Report)

Approved for public release; distribution unlimited.

17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)

18 SUPPLEMENTARY NOTES

Available in DDC

19 KEY WORDS (Continue on reverse side if necessary and identify by block number)

engines	turbines
gases	thermodynamics
physical properties	tables (data)

20 ABSTRACT (Continue on reverse side if necessary and identify by block number)

Thermodynamic properties of air and the exhaust gas from a turbine engine ($C_nH_{1.95n}$/Air System) are presented in tabular form. The properties presented are enthalpy (h), entropy (s), and specific heat at constant pressure (c_p). The properties of air are presented for a temperature range from 300 to 1,800°R and a pressure range from 0.5 to 600 psia. The properties of exhaust gas are presented for a temperature range from 600 to 4,000°R, a pressure

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20. ABSTRACT (Continued)

range from 0.5 to 600 psia, and a fuel-to-air ratio from 0.005 to 0.067.

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PREFACE

The research reported herein was conducted by the Arnold Engineering Development Center (AEDC), Air Force Systems Command (AFSC), under Program Element 65807F. The results of the research were obtained by ARO, Inc. (a subsidiary of Sverdrup & Parcel and Associates, Inc.), contract operator of AEDC, AFSC, Arnold Air Force Station, Tennessee, under ARO Project Numbers RF217 and RF414. The authors of this report were John M. Pelton and K. L. Hannah, ARO, Inc. The data analysis was completed on June 30, 1974, and the manuscript (ARO Control No. ARO-ETF-TR-75-93) was submitted for publication on June 25, 1975.

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DISCUSSION

A set of tables is presented that contain several thermodynamic properties of air and the exhaust gas from a turbine engine.

The tables were assembled to provide a readily available source of thermodynamic properties routinely used in hand calculations of turbine engine data. The properties include enthalpy, entropy, and specific heat at constant pressure. The properties were calculated using an air composition from Ref. 1 but modified to reduce the number of constituents to five for reduced computer calculation time. The composition used in these calculations is given as follows:

Constituent	Fraction
Nitrogen	0.78084
Oxygen	0.209476
Argon	0.00934
Carbon Dioxide	0.0003194
Neon	0.0000246

The molecular weight for this composition was defined as 28.9646. The fuel composition was defined as $C_nH_{1.95n}$ to represent the JP-4 grade of fuel currently in use in turbine engines.

The range of air properties is from 300 to 1800°R, and the pressure range is from 0.5 to 600 psia. The data are tabulated in temperature increments of 10°R and graduated pressure steps of 0.5 to 100 psia.

The data for exhaust gas ranges from a temperature of 600 to 4000°R, from a pressure of 0.5 to 600 psia, and a fuel-to-air ratio of 0.005 to 0.067. The temperature increments are 10°R for enthalpy and 100°R for entropy and specific heat.

The properties were calculated using the method of Ref. 2. The thermodynamic properties of the constituent gases were taken from Ref. 3 (argon and neon properties were taken from Ref. 4). Real gas effects were included in the calculation of the air properties

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using the method of Ref. 5 and the virial coefficients for the constituents from Ref. 6. Chemical dissociation was included in the calculation of the exhaust gas properties at the higher temperatures.

A calculation was made using the method of Ref. 2 to determine the deviation in enthalpy when the fuel composition is considered to be $C_nH_{1.95n}$ and C_nH_{2n}. These tables were constructed considering the fuel composition to be best represented by $C_nH_{1.95n}$, whereas other tables of similar data were developed using a fuel composition of C_nH_{2n}. The results are shown in Fig. 1 and show the deviation to be approximately 0.1 percent. This deviation is considered negligible, and the use of these tables considering the fuel composition should give a better representation of the thermodynamic properties for turbine engine exhaust.

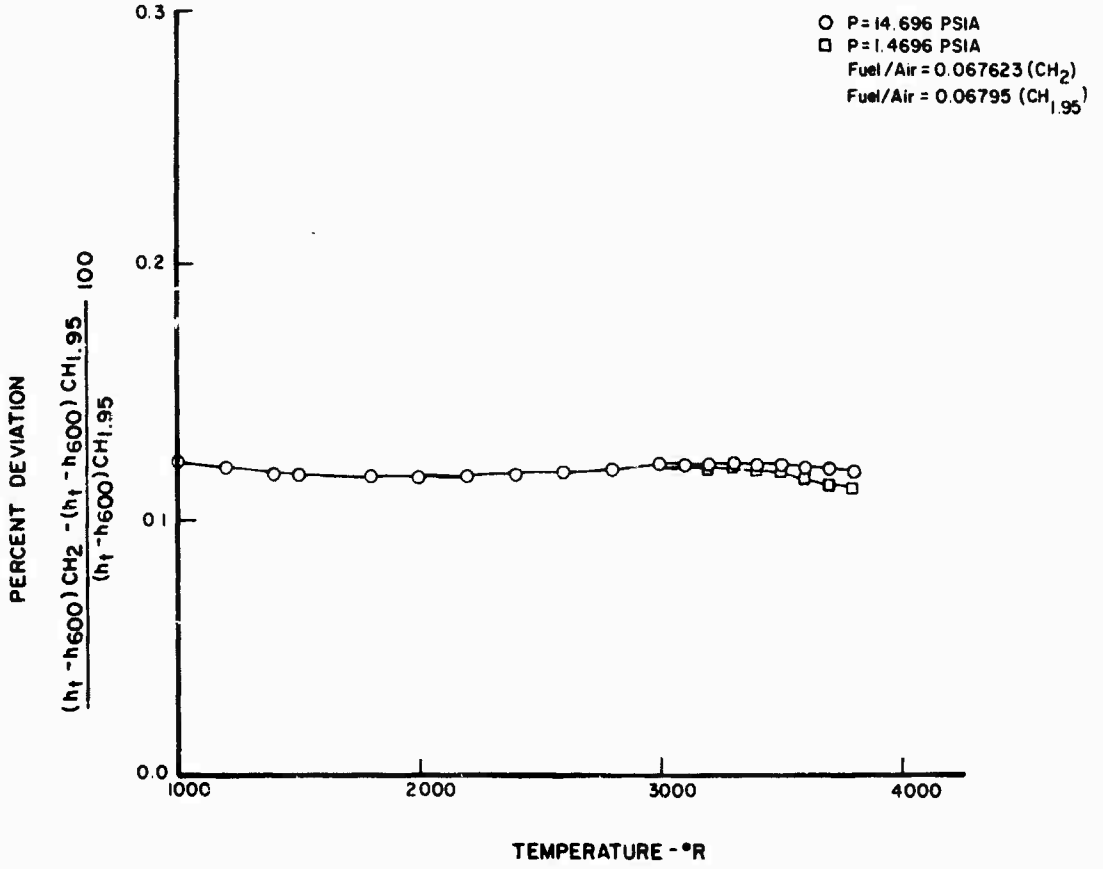


Figure 1. The percent deviation of the enthalpy as a function of temperature using a fuel composition CH_2 and $CH_{1.95}$.

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		20.0 to 600.0 psia	[redacted]
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		7.0 to 15.0 psia	[redacted]
		20.0 to 600.0 psia	[redacted]
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		7.0 to 15.0 psia	[redacted]
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		0.5 to 14.696 psia	[redacted]
		15.0 to 600.0 psia	[redacted]
	Table 5. Entropy	0.1 to 600.0 psia	[redacted]
	Table 6. Specific Heat	0.1 to 600.0 psia	[redacted]

*Exhaust gas assumed to be non-dissociated over the temperature range from 600 to 2,730°R.

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0.5 to 6.0 psia

Table 1. Enthalpy of Air for Various Temperatures and Pressures

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ENTHALPY

TEMPERATURE / PRESSURE (PSIA) DEGREES R	0.500	1.000	1.500	2.000	2.500	3.000	3.500	4.000	5.000	6.000
300.0	71.7077	71.6978	71.6878	71.6778	71.6678	71.6578	71.6479	71.6379	71.6179	71.5979
310.0	74.0988	74.0890	74.0790	74.0705	74.0611	74.0517	74.0422	74.0328	74.0139	73.9951
320.0	76.5051	76.4962	76.4872	76.4783	76.4694	76.4605	76.4516	76.4426	76.4248	76.4069
330.0	78.8959	78.8874	78.8790	78.8705	78.8620	78.8536	78.8451	78.8367	78.8197	78.8028
340.0	81.2756	81.2676	81.2595	81.2515	81.2435	81.2354	81.2274	81.2194	81.2033	81.1872
350.0	83.6848	83.6772	83.6696	83.6619	83.6543	83.6467	83.6390	83.6314	83.6161	83.6008
360.0	86.0955	86.0882	86.0809	86.0737	86.0664	86.0591	86.0519	86.0446	86.0301	86.0155
370.0	88.4985	88.4915	88.4846	88.4777	88.4708	88.4639	88.4569	88.4500	88.4362	88.4223
380.0	90.8922	90.8856	90.8790	90.8824	90.8758	90.8692	90.8626	90.8560	90.8428	90.8296
390.0	93.2814	93.2755	93.2692	93.2629	93.2566	93.2503	93.2440	93.2377	93.2251	93.2125
400.0	95.6739	95.6679	95.6618	95.6558	95.6498	95.6438	95.6377	95.6317	95.6197	95.6076
410.0	98.0691	98.0633	98.0576	98.0718	98.0660	98.0603	98.0545	98.0488	98.0372	98.0257
420.0	100.4795	100.4740	100.4685	100.4630	100.4575	100.4520	100.4465	100.4409	100.4299	100.4189
430.0	102.8503	102.8450	102.8397	102.8344	102.8292	102.8239	102.8186	102.8133	102.8028	102.7922
440.0	105.2562	105.2511	105.2460	105.2410	105.2359	105.2309	105.2258	105.2207	105.2106	105.2005
450.0	107.6674	107.6625	107.6577	107.6528	107.6479	107.6431	107.6382	107.6334	107.6237	107.6140
460.0	110.0469	110.0422	110.0376	110.0329	110.0283	110.0236	110.0190	110.0143	110.0050	109.9957
470.0	112.4348	112.4354	112.4309	112.4264	112.4220	112.4175	112.4130	112.4086	112.3996	112.3907
480.0	114.8504	114.8461	114.8418	114.8375	114.8333	114.8290	114.8247	114.8204	114.8118	114.8032
490.0	117.2604	117.2567	117.2525	117.2484	117.2443	117.2402	117.2361	117.2319	117.2237	117.2155
500.0	119.6714	119.6674	119.6635	119.6595	119.6555	119.6516	119.6476	119.6437	119.6357	119.6278
510.0	122.0703	122.0665	122.0627	122.0589	122.0551	122.0513	122.0475	122.0437	122.0361	122.0284
520.0	124.4468	124.4431	124.4395	124.4358	124.4321	124.4285	124.4248	124.4212	124.4138	124.4065
530.0	126.8509	126.8474	126.8439	126.8403	126.8368	126.8333	126.8298	126.8262	126.8192	126.8122
540.0	129.2643	129.2615	129.2581	129.2547	129.2513	129.2479	129.2446	129.2412	129.2344	129.2276
550.0	131.6468	131.6436	131.6403	131.6370	131.6338	131.6305	131.6272	131.6240	131.6175	131.6109
560.0	134.0352	134.0342	134.0317	134.0286	134.0254	134.0223	134.0191	134.0160	134.0097	134.0035
570.0	136.4588	136.4538	136.4508	136.4478	136.4447	136.4417	136.4387	136.4357	136.4296	136.4236
580.0	138.8713	138.8569	138.8660	138.8631	138.8602	138.8573	138.8544	138.8514	138.8456	138.8398
590.0	141.2805	141.2777	141.2749	141.2721	141.2693	141.2665	141.2637	141.2609	141.2553	141.2497
600.0	143.6840	143.6813	143.6786	143.6759	143.6732	143.6705	143.6678	143.6651	143.6597	143.6543
610.0	146.0675	146.0649	146.0623	146.0597	146.0571	146.0546	146.0519	146.0493	146.0441	146.0390
620.0	148.4837	148.4812	148.4787	148.4762	148.4737	148.4712	148.4687	148.4662	148.4612	148.4562
630.0	150.8914	150.8889	150.8865	150.8841	150.8817	150.8793	150.8769	150.8745	150.8697	150.8648
640.0	153.3191	153.3168	153.3145	153.3121	153.3098	153.3075	153.3052	153.3029	153.2982	153.2936
650.0	155.7369	155.7346	155.7323	155.7300	155.7278	155.7256	155.7233	155.7211	155.7166	155.7122
660.0	158.1546	158.1525	158.1503	158.1482	158.1460	158.1439	158.1417	158.1396	158.1353	158.1310
670.0	160.5674	160.5654	160.5633	160.5612	160.5591	160.5571	160.5550	160.5529	160.5488	160.5446
680.0	162.9582	162.9562	162.9542	162.9522	162.9502	162.9483	162.9463	162.9443	162.9403	162.9363
690.0	165.3724	165.3704	165.3685	165.3666	165.3647	165.3627	165.3608	165.3589	165.3551	165.3512
700.0	167.7692	167.7873	167.7855	167.7836	167.7818	167.7799	167.7781	167.7762	167.7725	167.7688
710.0	170.2139	170.2122	170.2104	170.2086	170.2068	170.2050	170.2033	170.2015	170.1979	170.1944
720.0	172.6388	172.6371	172.6354	172.6337	172.6320	172.6303	172.6286	172.6269	172.6234	172.6200
730.0	175.0638	175.0621	175.0605	175.0588	175.0572	175.0555	175.0539	175.0522	175.0489	175.0456
740.0	177.4893	177.4877	177.4861	177.4846	177.4830	177.4814	177.4798	177.4782	177.4751	177.4719
750.0	179.9226	179.9211	179.9195	179.9180	179.9165	179.9150	179.9134	179.9119	179.9089	179.9058
760.0	182.3522	182.3507	182.3493	182.3478	182.3463	182.3449	182.3434	182.3419	182.3390	182.3361
770.0	184.7755	184.7740	184.7726	184.7712	184.7698	184.7684	184.7670	184.7656	184.7628	184.7600
780.0	187.2063	187.2049	187.2036	187.2022	187.2009	187.1995	187.1982	187.1968	187.1942	187.1915
790.0	189.6385	189.6372	189.6359	189.6346	189.6333	189.6320	189.6307	189.6294	189.6268	189.6242
800.0	192.0710	192.0698	192.0685	192.0673	192.0661	192.0648	192.0635	192.0623	192.0599	192.0574
810.0	194.5032	194.5020	194.5008	194.4996	194.4984	194.4972	194.4961	194.4949	194.4925	194.4901
820.0	196.9633	196.9592	196.9580	196.9569	196.9557	196.9546	196.9535	196.9523	196.9500	196.9478
830.0	199.4174	199.4163	199.4152	199.4146	199.4135	199.4124	199.4113	199.4102	199.4080	199.4058
840.0	201.8459	201.8448	201.8437	201.8427	201.8416	201.8406	201.8396	201.8385	201.8364	201.8343
850.0	204.2915	204.2905	204.2895	204.2885	204.2875	204.2865	204.2855	204.2845	204.2825	204.2805

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860.0	206.7629	206.7619	206.7610	206.7600	206.7591	206.7581	206.7572	206.7562	206.7543	206.7524
870.0	209.2114	209.2106	209.2095	209.2086	209.2077	209.2068	209.2059	209.2050	209.2032	209.2014
880.0	211.6452	211.6460	211.6452	211.6443	211.6434	211.6425	211.6417	211.6408	211.6391	211.6373
890.0	214.1120	214.1111	214.1103	214.1095	214.1087	214.1078	214. [illegible]	214.1062	214.1045	214.1029
900.0	216.5916	216.5907	216.5899	216.5891	216.5883	216.5875	216.5867	216.5859	216.5844	216.5828
910.0	219.0552	219.0544	219.0537	219.0529	219.0522	219.0514	219.0507	219.0499	219.0484	219.0470
920.0	221.5223	221.5215	221.5208	221.5199	221.5191	221.5184	221.5177	221.5170	221.5156	221.5142
930.0	223.9914	223.9911	223.9906	223.9898	223.9891	223.9884	223.9877	223.9871	223.9857	223.9844
940.0	226.4641	226.4635	226.4629	226.4622	226.4616	226.4609	226.4603	226.4597	226.4584	226.4571
950.0	228.9384	228.9382	228.9376	228.9368	228.9360	228.9368	228.9362	228.9356	228.9344	228.9332
960.0	231.4154	231.4172	231.4172	231.4167	231.4161	231.4155	231.4150	231.4144	231.4133	231.4122
970.0	233.8965	233.8965	233.8949	233.8944	233.8939	233.8974	233.8968	233.8963	233.8952	233.8942
980.0	236.3832	236.3837	236.3832	236.3827	236.3822	236.3817	236.3812	236.3807	236.3797	236.3788
990.0	238.8715	238.8711	238.8706	238.8701	238.8696	238.8692	238.8687	238.8683	238.8673	238.8664
1000.0	241.3621	241.3618	241.3612	241.3608	241.3603	241.3599	241.3595	241.3590	241.3582	241.3573
1010.0	243.8563	243.8563	243.8545	243.8541	243.8537	243.8533	243.8529	243.8525	243.8517	243.8509
1020.0	246.3517	246.3513	246.3509	246.3505	246.3502	246.3498	246.3494	246.3490	246.3483	246.3476
1030.0	248.8513	248.8508	248.8503	248.8499	248.8496	248.8493	248.8489	248.8486	248.8479	248.8472
1040.0	251.3532	251.3529	251.3524	251.3523	251.3520	251.3517	251.3514	251.3510	251.3504	251.3498
1050.0	253.8579	253.8576	253.8574	253.8571	253.8571	253.8568	253.8565	253.8562	253.8556	253.8551
1060.0	256.3665	256.3660	256.3657	256.3655	256.3652	256.3650	256.3647	256.3645	256.3640	256.3635
1070.0	258.8774	258.8772	258.8770	258.8767	258.8765	258.8762	258.8760	258.8757	258.8752	258.8746
1080.0	261.3914	261.3911	261.3909	261.3906	261.3904	261.3901	261.3899	261.3896	261.3892	261.3892
1090.0	263.9084	263.9082	263.9080	263.9080	263.9077	263.9075	263.9072	263.9072	263.9067	263.9065
1100.0	266.4282	266.4281	266.4280	266.4277	266.4275	266.4275	266.4272	266.4272	266.4268	266.4265
1110.0	268.9512	268.9509	268.9507	268.9507	268.9504	268.9504	268.9502	268.9500	268.9497	268.9497
1120.0	271.4771	271.4771	271.4771	271.4771	271.4768	271.4768	271.4769	271.4766	271.4763	271.4761
1130.0	274.0059	274.0059	274.0059	274.0056	274.0056	274.0056	274.0056	274.0054	274.0051	274.0051
1140.0	276.5378	276.5378	276.5378	276.5378	276.5374	276.5374	276.5374	276.5374	276.5371	276.5371
1150.0	279.0725	279.0725	279.0725	279.0725	279.0725	279.0725	279.0725	279.0723	279.0723	279.0723
1160.0	281.6106	281.6104	281.6104	281.6104	281.6104	281.6104	281.6104	281.6104	281.6104	281.6104
1170.0	284.1511	284.1511	284.1511	284.1511	284.1511	284.1511	284.1511	284.1511	284.1511	284.1511
1180.0	286.6946	286.6946	286.6946	286.6946	286.6946	286.6946	286.6946	286.6948	286.6948	286.6948
1190.0	289.2412	289.2412	289.2412	289.2412	289.2415	289.2415	289.2415	289.2415	289.2417	289.2417
1200.0	291.7908	291.7908	291.7908	291.7910	291.7910	291.7910	291.7913	291.7913	291.7915	291.7915
1210.0	294.3435	294.3435	294.3435	294.3435	294.3435	294.3438	294.3438	294.3440	294.3440	294.3442
1220.0	296.8987	296.8987	296.8989	296.8989	296.8989	296.8992	296.8994	296.8994	296.8997	296.8999
1230.0	299.4575	299.4575	299.4575	299.4578	299.4578	299.4580	299.4580	299.4583	299.4585	299.4587
1240.0	302.0183	302.0186	302.0186	302.0186	302.0190	302.0190	302.0193	302.0195	302.0198	302.0200
1250.0	304.5835	304.5835	304.5835	304.5835	304.5837	304.5840	304.5842	304.5842	304.5847	304.5850
1260.0	307.1501	307.1501	307.1504	307.1506	307.1506	307.1509	307.1511	307.1514	307.1516	307.1521
1270.0	309.7205	309.7207	309.7209	309.7212	309.7214	309.7217	309.7219	309.7219	309.7224	309.7229
1280.0	312.2935	312.2937	312.2939	312.2942	312.2944	312.2947	312.2949	312.2952	312.2957	312.2961
1290.0	314.8699	314.8701	314.8704	314.8706	314.8708	314.8711	314.8713	314.8716	314.8721	314.8726
1300.0	317.4492	317.4495	317.4497	317.4500	317.4502	317.4504	317.4507	317.4509	317.4514	317.4519
1310.0	320.0313	320.0313	320.0315	320.0317	320.0320	320.0322	320.0327	320.0330	320.0334	320.0339
1320.0	322.6162	322.6165	322.6167	322.6169	322.6174	322.6177	322.6179	322.6182	322.6189	322.6194
1330.0	325.2041	325.2043	325.2046	325.2051	325.2053	325.2056	325.2058	325.2063	325.2068	325.2075
1340.0	327.7952	327.7954	327.7959	327.7961	327.7964	327.7969	327.7971	327.7974	327.7981	327.7988
1350.0	330.3896	330.3896	330.3901	330.3904	330.3909	330.3911	330.3914	330.3918	330.3926	330.3931
1360.0	332.9861	332.9863	332.9868	332.9871	332.9875	332.9878	332.9883	332.9885	332.9893	332.9900
1370.0	335.5865	335.5866	335.5867	335.5872	335.5874	335.5879	335.5881	335.5886	335.5894	335.5901
1380.0	338.1885	338.1890	338.1892	338.1897	338.1902	338.1904	338.1909	338.1912	338.1921	338.1929
1390.0	340.7946	340.7949	340.7952	340.7957	340.7961	340.7964	340.7969	340.7974	340.7981	340.7988
1400.0	343.4031	343.4036	343.4041	343.4043	343.4048	343.4053	343.4058	343.4060	343.4070	343.4077
1410.0	346.0149	346.0154	346.0159	346.0164	346.0166	346.0171	346.0176	346.0181	346.0188	346.0198

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1420.0	348.6292	348.6296	348.6301	348.6306	348.6311	348.6316	348.6318	348.6323	348.6333	348.6343
1430.0	351.2468	351.2473	351.2478	351.2483	351.2488	351.2493	351.2498	351.2502	351.2510	351.2520
1440.0	353.8677	353.8682	353.8687	353.8691	353.8696	353.8701	353.8706	353.8711	353.8721	353.8730
1450.0	356.4917	356.4917	356.4922	356.4927	356.4932	356.4937	356.4941	356.4946	356.4956	356.4966
1460.0	359.1179	359.1184	359.1189	359.1194	359.1199	359.1204	359.1208	359.1213	359.1223	359.1233
1470.0	361.7471	361.7476	361.7480	361.7485	361.7490	361.7495	361.7500	361.7505	361.7517	361.7527
1480.0	364.3796	364.3801	364.3806	364.3811	364.3816	364.3823	364.3828	364.3833	364.3843	364.3855
1490.0	367.0149	367.0154	367.0159	367.0164	367.0171	367.0176	367.0181	367.0186	367.0198	367.0208
1500.0	369.6531	369.6536	369.6541	369.6548	369.6553	369.6558	369.6563	369.6570	369.6580	369.6592
1510.0	372.2947	372.2952	372.2957	372.2964	372.2969	372.2974	372.2981	372.2986	372.2998	372.3008
1520.0	374.9385	374.9390	374.9397	374.9402	374.9407	374.9414	374.9419	374.9424	374.9436	374.9448
1530.0	377.5859	377.5864	377.5872	377.5876	377.5884	377.5889	377.5894	377.5901	377.5913	377.5925
1540.0	380.2361	380.2366	380.2373	380.2378	380.2385	380.2390	380.2397	380.2402	380.2415	380.2427
1550.0	382.8892	382.8899	382.8904	382.8911	382.8916	382.8923	382.8928	382.8936	382.8948	382.8960
1560.0	385.5452	385.5459	385.5464	385.5471	385.5476	385.5483	385.5488	385.5496	385.5508	385.5520
1570.0	388.2041	388.2048	388.2053	388.2061	388.2068	388.2073	388.2080	388.2085	388.2100	388.2112
1580.0	390.8662	390.8669	390.8674	390.8682	390.8689	390.8694	390.8701	390.8708	390.8721	390.8733
1590.0	393.5310	393.5317	393.5325	393.5330	393.5337	393.5344	393.5349	393.5356	393.5371	393.5383
1600.0	396.1992	396.2000	396.2007	396.2012	396.2019	396.2026	396.2034	396.2039	396.2053	396.2065
1610.0	398.8699	398.8706	398.8713	398.8721	398.8726	398.8733	398.8740	398.8748	398.8760	398.8774
1620.0	401.5437	401.5444	401.5452	401.5459	401.5466	401.5471	401.5479	401.5486	401.5500	401.5513
1630.0	404.2205	404.2212	404.2219	404.2227	404.2234	404.2241	404.2249	404.2253	404.2268	404.2283
1640.0	406.9001	406.9009	406.9016	406.9023	406.9031	406.9038	406.9045	406.9053	406.9067	406.9080
1650.0	409.5828	409.5835	409.5842	409.5850	409.5857	409.5864	409.5872	409.5879	409.5894	409.5908
1660.0	412.2683	412.2690	412.2698	412.2705	412.2712	412.2720	412.2727	412.2734	412.2749	412.2764
1670.0	414.9573	414.9580	414.9587	414.9595	414.9602	414.9609	414.9617	414.9624	414.9639	414.9653
1680.0	417.6487	417.6494	417.6501	417.6509	417.6516	417.6523	417.6531	417.6538	417.6553	417.6567
1690.0	420.3433	420.3440	420.3447	420.3455	420.3462	420.3469	420.3477	420.3484	420.3501	420.3516
1700.0	423.0408	423.0415	423.0422	423.0430	423.0437	423.0444	423.0454	423.0461	423.0476	423.0491
1710.0	425.7412	425.7419	425.7427	425.7434	425.7441	425.7451	425.7458	425.7466	425.7480	425.7498
1720.0	428.4445	428.4453	428.4460	428.4468	428.4478	428.4485	428.4492	428.4500	428.4517	428.4531
1730.0	431.1509	431.1516	431.1523	431.1533	431.1541	431.1548	431.1555	431.1565	431.1580	431.1597
1740.0	433.8604	433.8611	433.8618	433.8628	433.8635	433.8643	433.8652	433.8660	433.8674	433.8691
1750.0	436.5725	436.5732	436.5742	436.5750	436.5757	436.5767	436.5774	436.5781	436.5798	436.5815
1760.0	439.2878	439.2886	439.2896	439.2903	439.2910	439.2920	439.2927	439.2935	439.2952	439.2969
1770.0	442.0059	442.0066	442.0076	442.0083	442.0093	442.0100	442.0107	442.0117	442.0134	442.0149
1780.0	444.7271	444.7278	444.7288	444.7295	444.7305	444.7312	444.7322	444.7329	444.7346	444.7363
1790.0	447.4514	447.4521	447.4531	447.4539	447.4548	447.4556	447.4565	447.4573	447.4590	447.4607
1800.0	450.1782	450.1792	450.1799	450.1809	450.1816	450.1826	450.1833	450.1843	450.1860	450.1877

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	7.0 to 15.0 psia

Table 1. Continued

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TEMPERATURE / PRESSURE (PSIA) DEGREES R	7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	14.696	15.000
300.0	71.5779	71.5579	71.5379	71.5179	71.4979	71.4779	71.4579	71.4378	71.4239	71.4178
310.0	73.9762	73.9573	73.9386	73.9195	73.9006	73.8817	73.8628	73.8438	73.8307	73.8249
320.0	76.3849	76.3712	76.3533	76.3354	76.3175	76.2996	76.2817	76.2638	76.2514	76.2459
330.0	78.7859	78.7689	78.7520	78.7350	78.7181	78.7011	78.6842	78.6672	78.6554	78.6502
340.0	81.1712	81.1551	81.1390	81.1229	81.1068	81.0907	81.0746	81.0585	81.0473	81.0424
350.0	83.5854	83.5703	83.5552	83.5397	83.5244	83.5091	83.4938	83.4785	83.4679	83.4632
360.0	86.0019	85.9865	85.9719	85.9574	85.9428	85.9283	85.9137	85.8991	85.8890	85.8846
370.0	88.4064	88.3946	88.3807	88.3669	88.3530	88.3392	88.3253	88.3114	88.3018	88.2976
380.0	90.8163	90.8031	90.7899	90.7767	90.7635	90.7503	90.7370	90.7238	90.7146	90.7106
390.0	93.1999	93.1873	93.1747	93.1620	93.1494	93.1368	93.1242	93.1116	93.1028	93.0989
400.0	95.5456	95.5335	95.5214	95.5094	95.5474	95.5353	95.5232	95.5112	95.5028	95.4991
410.0	98.0142	98.0027	97.9911	97.9796	97.9681	97.9566	97.9450	97.9335	97.9255	97.9220
420.0	100.4079	100.3968	100.3858	100.3748	100.3638	100.3527	100.3417	100.3307	100.3230	100.3196
430.0	102.7816	102.7711	102.7606	102.7500	102.7394	102.7288	102.7183	102.7077	102.7004	102.6972
440.0	105.1904	105.1803	105.1702	105.1600	105.1499	105.1398	105.1297	105.1196	105.1125	105.1094
450.0	107.6043	107.5944	107.5845	107.5752	107.5655	107.5558	107.5461	107.5364	107.5296	107.5267
460.0	109.9864	109.9771	109.9678	109.9585	109.9492	109.9398	109.9305	109.9212	109.9148	109.9119
470.0	112.3814	112.3728	112.3639	112.3549	112.3460	112.3371	112.3282	112.3192	112.3130	112.3103
480.0	114.7944	114.7861	114.7779	114.7689	114.7603	114.7518	114.7432	114.7346	114.7286	114.7260
490.0	117.2072	117.1990	117.1907	117.1825	117.1743	117.1660	117.1578	117.1496	117.1438	117.1413
500.0	119.6199	119.6120	119.6041	119.5961	119.5882	119.5803	119.5724	119.5645	119.5590	119.5566
510.0	122.0208	122.0132	122.0056	121.9980	121.9904	121.9828	121.9752	121.9676	121.9623	121.9599
520.0	124.3992	124.3919	124.3846	124.3772	124.3699	124.3626	124.3553	124.3480	124.3429	124.3406
530.0	126.7851	126.7781	126.7710	126.7640	126.7770	126.7699	126.7629	126.7558	126.7509	126.7488
540.0	129.2208	129.2141	129.2073	129.2005	129.1937	129.1870	129.1802	129.1734	129.1687	129.1667
550.0	131.6044	131.5979	131.5913	131.5849	131.5784	131.5718	131.5653	131.5588	131.5543	131.5523
560.0	133.9972	133.9909	133.9846	133.9784	133.9721	133.9658	133.9595	133.9533	133.9489	133.9470
570.0	136.4175	136.4115	136.4055	136.3994	136.3934	136.3873	136.3813	136.3753	136.3711	136.3692
580.0	138.8340	138.8282	138.8224	138.8165	138.8107	138.8049	138.7991	138.7933	138.7892	138.7875
590.0	141.2441	141.2385	141.2329	141.2273	141.2217	141.2161	141.2105	141.2049	141.2010	141.1993
600.0	143.6489	143.6435	143.6381	143.6328	143.6274	143.6220	143.6166	143.6112	143.6074	143.6058
610.0	146.0338	146.0286	146.0234	146.0182	146.0130	146.0078	146.0026	145.9974	145.9938	145.9922
620.0	148.4518	148.4468	148.4417	148.4367	148.4317	148.4267	148.4217	148.4167	148.4127	148.4112
630.0	150.8700	150.8652	150.8604	150.8556	150.8508	150.8459	150.8411	150.8363	150.8330	150.8315
640.0	153.2889	153.2843	153.2797	153.2750	153.2704	153.2657	153.2611	153.2565	153.2533	153.2518
650.0	155.7077	155.7032	155.6988	155.6943	155.6898	155.6854	155.6809	155.6764	155.6733	155.6720
660.0	158.1267	158.1224	158.1181	158.1138	158.1095	158.1052	158.1009	158.0966	158.0933	158.0923
670.0	160.5405	160.5363	160.5322	160.5281	160.5239	160.5198	160.5156	160.5115	160.5086	160.5074
680.0	162.9323	162.9283	162.9243	162.9203	162.9163	162.9124	162.9084	162.9044	162.9016	162.9004
690.0	165.3474	165.3435	165.3397	165.3359	165.3320	165.3282	165.3244	165.3205	165.3179	165.3167
700.0	167.7651	167.7614	167.7577	167.7540	167.7504	167.7467	167.7430	167.7393	167.7367	167.7356
710.0	170.1908	170.1873	170.1837	170.1801	170.1766	170.1730	170.1695	170.1659	170.1635	170.1624
720.0	172.6166	172.6132	172.6098	172.6063	172.6029	172.5995	172.5961	172.5927	172.5903	172.5892
730.0	175.0423	175.0390	175.0358	175.0325	175.0292	175.0259	175.0226	175.0193	175.0170	175.0160
740.0	177.4687	177.4656	177.4625	177.4592	177.4561	177.4529	177.4498	177.4466	177.4444	177.4435
750.0	179.9028	179.8997	179.8967	179.8937	179.8906	179.8876	179.8846	179.8815	179.8794	179.8785
760.0	182.3332	182.3302	182.3273	182.3244	182.3215	182.3186	182.3157	182.3127	182.3107	182.3098
770.0	184.7572	184.7544	184.7516	184.7488	184.7460	184.7432	184.7404	184.7376	184.7356	184.7348
780.0	187.1888	187.1861	187.1834	187.1807	187.1780	187.1753	187.1726	187.1699	187.1680	187.1672
790.0	189.6216	189.6190	189.6164	189.6139	189.6113	189.6087	189.6061	189.6035	189.6017	189.6010
800.0	192.0549	192.0524	192.0499	192.0475	192.0450	192.0425	192.0400	192.0376	192.0358	192.0351
810.0	194.4877	194.4854	194.4830	194.4806	194.4782	194.4758	194.4735	194.4711	194.4695	194.4687
820.0	196.9455	196.9432	196.9409	196.9387	196.9364	196.9341	196.9318	196.9296	196.9280	196.9273
830.0	199.4036	199.4015	199.3993	199.3971	199.3949	199.3927	199.3906	199.3884	199.3869	199.3862
840.0	201.8323	201.8302	201.8281	201.8260	201.8239	201.8218	201.8197	201.8177	201.8162	201.8156
850.0	204.2785	204.2765	204.2745	204.2725	204.2705	204.2685	204.2665	204.2646	204.2632	204.2626

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860.0	206.7505	206.7486	206.7467	206.7448	206.7429	206.7410	206.7391	206.7372	206.7358	206.7353
870.0	209.1995	209.1977	209.1959	209.1941	209.1923	209.1904	209.1886	209.1868	209.1856	209.1850
880.0	211.6356	211.6339	211.6322	211.6304	211.6287	211.6270	211.6252	211.6235	211.6223	211.6218
890.0	214.1012	214.0996	214.0979	214.0963	214.0946	214.0930	214.0913	214.0897	214.0885	214.0880
900.0	216.5812	216.5797	216.5781	216.5765	216.5750	216.5734	216.5718	216.5703	216.5692	216.5687
910.0	219.0455	219.0440	219.0425	219.0410	219.0395	219.0380	219.0365	219.0350	219.0340	219.0336
920.0	221.5128	221.5114	221.5099	221.5085	221.5071	221.5057	221.5043	221.5029	221.5019	221.5015
930.0	223.9830	223.9817	223.9804	223.9790	223.9777	223.9763	223.9750	223.9737	223.9727	223.9723
940.0	226.4559	226.4546	226.4533	226.4521	226.4508	226.4495	226.4483	226.4470	226.4461	226.4457
950.0	228.9320	228.9308	228.9296	228.9285	228.9273	228.9261	228.9249	228.9237	228.9228	228.9225
960.0	231.4110	231.4099	231.4088	231.4076	231.4065	231.4054	231.4043	231.4032	231.4024	231.4020
970.0	233.8931	233.8921	233.8910	233.8899	233.8889	233.8878	233.8868	233.8857	233.8850	233.8847
980.0	236.3777	236.3768	236.3758	236.3748	236.3738	236.3728	236.3718	236.3708	236.3701	236.3698
990.0	238.8655	238.8645	238.8636	238.8627	238.8618	238.8608	238.8599	238.8590	238.8584	238.8581
1000.0	241.3564	241.3556	241.3547	241.3539	241.3530	241.3521	241.3513	241.3506	241.3498	241.3495
1010.0	243.8501	243.8493	243.8485	243.8477	243.8469	243.8461	243.8453	243.8445	243.8439	243.8437
1020.0	246.3468	246.3461	246.3453	246.3446	246.3439	246.3431	246.3424	246.3416	246.3411	246.3409
1030.0	248.8465	248.8458	248.8452	248.8445	248.8438	248.8431	248.8424	248.8417	248.8413	248.8411
1040.0	251.3492	251.3485	251.3479	251.3473	251.3467	251.3460	251.3454	251.3448	251.3444	251.3442
1050.0	253.8545	253.8539	253.8534	253.8528	253.8522	253.8517	253.8511	253.8505	253.8501	253.8500
1060.0	256.3630	256.3625	256.3621	256.3613	256.3608	256.3604	256.3599	256.3594	256.3591	256.3589
1070.0	258.8743	258.8738	258.8735	258.8730	258.8726	258.8721	258.8716	258.8711	258.8708	258.8706
1080.0	261.3887	261.3882	261.3879	261.3875	261.3870	261.3867	261.3862	261.3857	261.3855	261.3855
1090.0	263.9060	263.9058	263.9053	263.9050	263.9048	263.9043	263.9041	263.9036	263.9033	263.9033
1100.0	266.4263	266.4260	266.4255	266.4253	266.4250	266.4248	266.4243	266.4241	266.4238	266.4238
1110.0	268.9495	268.9492	268.9490	268.9487	268.9485	268.9482	268.9480	268.9478	268.9475	268.9475
1120.0	271.4761	271.4758	271.4756	271.4753	271.4751	271.4749	271.4749	271.4746	271.4744	271.4744
1130.0	274.0049	274.0046	274.0046	274.0044	274.0042	274.0042	274.0039	274.0039	274.0037	274.0037
1140.0	276.5369	276.5369	276.5366	276.5366	276.5366	276.5364	276.5364	276.5361	276.5361	276.5361
1150.0	279.0723	279.0720	279.0720	279.0720	279.0720	279.0718	279.0718	279.0718	279.0718	279.0718
1160.0	281.6104	281.6104	281.6104	281.6104	281.6104	281.6104	281.6104	281.6101	281.6101	281.6101
1170.0	284.1511	284.1511	284.1511	284.1511	284.1511	284.1511	284.1511	284.1511	284.1511	284.1511
1180.0	286.6948	286.6951	286.6951	286.6951	286.6951	286.6953	286.6953	286.6953	286.6956	286.6956
1190.0	289.2419	289.2419	289.2419	289.2422	289.2422	289.2424	289.2424	289.2427	289.2427	289.2427
1200.0	291.7917	291.7917	291.7920	291.7922	291.7922	291.7925	291.7927	291.7927	291.7930	291.7930
1210.0	294.3445	294.3447	294.3450	294.3450	294.3452	294.3455	294.3457	294.3457	294.3459	294.3459
1220.0	296.9001	296.9004	296.9006	296.9009	296.9011	296.9014	296.9016	296.9019	296.9019	296.9021
1230.0	299.4590	299.4592	299.4595	299.4600	299.4602	299.4604	299.4607	299.4609	299.4612	299.4612
1240.0	302.0203	302.0208	302.0210	302.0212	302.0215	302.0220	302.0222	302.0225	302.0227	302.0229
1250.0	304.5852	304.5857	304.5859	304.5864	304.5867	304.5872	304.5874	304.5876	304.5879	304.5881
1260.0	307.1526	307.1528	307.1533	307.1536	307.1541	307.1543	307.1548	307.1553	307.1555	307.1555
1270.0	309.7234	309.7236	309.7241	309.7246	309.7249	309.7253	309.7258	309.7263	309.7266	309.7266
1280.0	312.2966	312.2969	312.2974	312.2979	312.2983	312.2988	312.2993	312.2998	312.3000	312.3003
1290.0	314.8730	314.8735	314.8740	314.8745	314.8750	314.8755	314.8760	314.8765	314.8767	314.8770
1300.0	317.4526	317.4531	317.4536	317.4541	317.4546	317.4551	317.4558	317.4563	317.4565	317.4568
1310.0	320.0347	320.0352	320.0356	320.0361	320.0369	320.0374	320.0378	320.0386	320.0388	320.0391
1320.0	322.6201	322.6206	322.6211	322.6218	322.6223	322.6230	322.6235	322.6243	322.6245	322.6248
1330.0	325.2080	325.2087	325.2095	325.2100	325.2107	325.2112	325.2119	325.2126	325.2129	325.2131
1340.0	327.7993	327.8000	327.8008	327.8015	327.8020	327.8027	327.8035	327.8040	327.8044	327.8047
1350.0	330.3939	330.3945	330.3953	330.3960	330.3967	330.3972	330.3979	330.3987	330.3992	330.3994
1360.0	332.9907	332.9915	332.9922	332.9929	332.9937	332.9944	332.9951	332.9958	332.9963	332.9966
1370.0	335.5908	335.5916	335.5923	335.5930	335.5938	335.5947	335.5955	335.5962	335.5967	335.5969
1380.0	338.1936	338.1943	338.1951	338.1960	338.1968	338.1975	338.1982	338.1990	338.1997	338.2000
1390.0	340.7998	340.8005	340.8013	340.8022	340.8030	340.8037	340.8047	340.8054	340.8059	340.8064
1400.0	343.4087	343.4094	343.4104	343.4111	343.4119	343.4128	343.4136	343.4146	343.4150	343.4153
1410.0	346.0205	346.0215	346.0225	346.0232	346.0242	346.0249	346.0259	346.0266	346.0273	346.0276

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1420.0	348.6350	348.6360	348.6370	348.6377	348.6387	348.6396	348.6404	348.6414	348.6421	348.6423
1430.0	351.2529	351.2539	351.2549	351.2556	351.2566	351.2576	351.2585	351.2595	351.2600	351.2605
1440.0	353.8740	353.8750	353.8760	353.8770	353.8779	353.8787	353.8796	353.8806	353.8813	353.8816
1450.0	356.4976	356.4985	356.4995	356.5005	356.5015	356.5024	356.5034	356.5044	356.5051	356.5054
1460.0	359.1243	359.1255	359.1265	359.1274	359.1284	359.1294	359.1304	359.1313	359.1321	359.1323
1470.0	361.7537	361.7546	361.7559	361.7568	361.7578	361.7588	361.7600	361.7610	361.7617	361.7620
1480.0	364.3865	364.3875	364.3887	364.3896	364.3906	364.3918	364.3928	364.3938	364.3945	364.3950
1490.0	367.0220	367.0229	367.0242	367.0251	367.0261	367.0273	367.0283	367.0295	367.0303	367.0305
1500.0	369.6602	369.6614	369.6624	369.6636	369.6648	369.6658	369.6670	369.6680	369.6687	369.6692
1510.0	372.3020	372.3032	372.3042	372.3054	372.3066	372.3076	372.3088	372.3101	372.3108	372.3110
1520.0	374.9460	374.9470	374.9482	374.9495	374.9507	374.9517	374.9529	374.9541	374.9548	374.9553
1530.0	377.5935	377.5947	377.5959	377.5972	377.5984	377.5996	377.6008	377.6018	377.6028	377.6030
1540.0	380.2439	380.2451	380.2463	380.2476	380.2488	380.2500	380.2512	380.2524	380.2532	380.2537
1550.0	382.8972	382.8984	382.8997	382.9009	382.9021	382.9033	382.9045	382.9058	382.9067	382.9070
1560.0	385.5532	385.5547	385.5559	385.5571	385.5583	385.5596	385.5608	385.5620	385.5630	385.5632
1570.0	388.2124	388.2136	388.2148	388.2163	388.2175	388.2188	388.2200	388.2214	388.2222	388.2227
1580.0	390.8748	390.8760	390.8772	390.8787	390.8799	390.8811	390.8826	390.8838	390.8848	390.8850
1590.0	393.5396	393.5410	393.5422	393.5437	393.5449	393.5461	393.5476	393.5488	393.5498	393.5503
1600.0	396.2080	396.2092	396.2107	396.2119	396.2134	396.2146	396.2161	396.2173	396.2183	396.2188
1610.0	398.8789	398.8801	398.8816	398.8828	398.8843	398.8855	398.8870	398.8884	398.8892	398.8896
1620.0	401.5527	401.5542	401.5554	401.5569	401.5583	401.5596	401.5610	401.5625	401.5635	401.5637
1630.0	404.2297	404.2310	404.2324	404.2339	404.2354	404.2366	404.2380	404.2395	404.2405	404.2410
1640.0	406.9094	406.9109	406.9124	406.9138	406.9153	406.9165	406.9180	406.9194	406.9204	406.9209
1650.0	409.5923	409.5938	409.5952	409.5967	409.5981	409.5994	409.6008	409.6023	409.6033	409.6038
1660.0	412.2778	412.2793	412.2808	412.2822	412.2837	412.2852	412.2866	412.2881	412.2893	412.2896
1670.0	414.9668	414.9683	414.9697	414.9712	414.9727	414.9741	414.9756	414.9773	414.9783	414.9788
1680.0	417.6584	417.6599	417.6614	417.6628	417.6643	417.6658	417.6672	417.6689	417.6699	417.6704
1690.0	420.3530	420.3545	420.3562	420.3577	420.3591	420.3606	420.3621	420.3638	420.3647	420.3652
1700.0	423.0508	423.0522	423.0537	423.0554	423.0569	423.0583	423.0598	423.0615	423.0625	423.0630
1710.0	425.7512	425.7529	425.7544	425.7559	425.7576	425.7590	425.7605	425.7622	425.7632	425.7637
1720.0	428.4548	428.4563	428.4580	428.4595	428.4612	428.4626	428.4641	428.4658	428.4668	428.4673
1730.0	431.1611	431.1628	431.1643	431.1660	431.1675	431.1692	431.1707	431.1724	431.1733	431.1738
1740.0	433.8708	433.8723	433.8740	433.8757	433.8772	433.8789	433.8806	433.8821	433.8833	433.8838
1750.0	436.5833	436.5847	436.5864	436.5879	436.5896	436.5913	436.5928	436.5945	436.5957	436.5962
1760.0	439.2986	439.3000	439.3018	439.3035	439.3052	439.3066	439.3083	439.3101	439.3113	439.3118
1770.0	442.0166	442.0183	442.0200	442.0217	442.0232	442.0249	442.0266	442.0283	442.0295	442.0300
1780.0	444.7380	444.7397	444.7412	444.7429	444.7446	444.7463	444.7480	444.7498	444.7510	444.7515
1790.0	447.4624	447.4641	447.4658	447.4675	447.4692	447.4709	447.4727	447.4744	447.4756	447.4761
1800.0	450.1895	450.1912	450.1929	450.1946	450.1963	450.1980	450.1997	450.2014	450.2026	450.2031

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Table 1. Concluded

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TEMPERATURE / PRESSURE (PSIA) DEGREES R	20.000	30.000	40.000	50.000	100.000	200.000	300.000	400.000	500.000	600.000
300.0	71.3174	71.1161	70.9141	70.7113	69.6849	67.5729	65.3710	63.0706	60.6603	58.1249
310.0	73.7301	73.5402	73.3495	73.1583	72.1919	70.2101	68.1562	66.0294	63.8121	61.5100
320.0	76.1563	75.9767	75.7965	75.6158	74.7040	72.8402	70.9186	68.9371	66.8933	64.7852
330.0	78.5653	78.3952	78.2246	78.0535	77.1918	75.4351	73.6325	71.7831	69.8866	67.9432
340.0	80.9619	80.8005	80.6387	80.4766	79.6604	78.0017	76.3063	74.5748	72.8077	71.0065
350.0	83.3867	83.2334	83.0797	82.9258	82.1518	80.5826	78.9845	77.3585	75.7061	74.0290
360.0	85.8119	85.6659	85.5198	85.3735	84.6384	83.1499	81.6418	80.1112	78.5611	74.9936
370.0	88.2282	88.0893	87.9502	87.8110	87.1119	85.6996	84.2720	82.8279	81.3697	79.8998
380.0	90.6445	90.5121	90.3795	90.2468	89.5812	88.2391	86.8857	85.5203	84.1453	82.7630
390.0	93.0358	92.9095	92.7830	92.6564	92.0220	90.7450	89.4599	88.1666	86.8674	85.5641
400.0	95.4388	95.3182	95.1974	95.0766	94.4712	93.2547	92.0329	90.8058	89.5757	88.3444
410.0	97.8643	97.7490	97.6336	97.5181	96.9399	95.7798	94.6153	93.4508	92.2842	91.1185
420.0	100.2845	100.1541	100.0237	99.9333	99.3806	98.2732	97.1636	96.0555	94.9474	93.8419
430.0	102.6443	102.5387	102.4330	102.3273	101.7987	100.7405	99.6821	98.6264	97.5725	96.5228
440.0	105.0588	104.9576	104.8564	104.7552	104.2491	103.2373	102.2267	101.2180	100.2162	99.2176
450.0	107.4781	107.3811	107.2841	107.1871	106.7023	105.7341	104.7682	103.8057	102.8503	101.8994
460.0	109.8654	109.7724	109.6793	109.5863	109.1216	108.1944	107.2707	106.3513	105.4392	104.5328
470.0	112.2654	112.1763	112.0871	111.9979	111.5522	110.6637	109.7796	108.9006	108.0273	107.1643
480.0	114.6832	114.5974	114.5117	114.4261	113.9985	113.1466	112.2999	111.4589	110.6243	109.7997
490.0	117.1001	117.0178	116.9355	116.8533	116.4428	115.6256	114.8141	114.0089	113.2107	112.4198
500.0	119.5183	119.4379	119.3588	119.2798	118.8855	118.1014	117.3232	116.5519	115.7878	115.0316
510.0	121.9219	121.8459	121.7699	121.6940	121.3152	120.5623	119.8159	119.0764	118.3446	117.6209
520.0	124.3041	124.2310	124.1579	124.0849	123.7209	122.9977	122.2813	121.5722	120.8709	120.1778
530.0	126.7136	126.6433	126.5731	126.5029	126.1530	125.4581	124.7702	124.0899	123.4174	122.7534
540.0	129.1328	129.0652	128.9976	128.9301	128.5936	127.9257	127.2650	126.6120	125.9671	125.3305
550.0	131.5197	131.4547	131.3896	131.3247	131.0010	130.3589	129.7242	129.0972	128.4783	127.8678
560.0	133.9157	133.8530	133.7905	133.7280	133.4166	132.7991	132.1891	131.5869	130.9928	130.4071
570.0	136.3391	136.2788	136.2186	136.1584	135.8587	135.2669	134.6785	134.1000	133.5295	132.9674
580.0	138.7584	138.7004	138.6425	138.5845	138.2961	137.7248	137.1611	136.6051	136.0573	135.5177
590.0	141.1713	141.1154	141.0596	141.0039	140.7263	140.1766	139.6345	139.1002	138.5739	138.0558
600.0	143.5789	143.5251	143.4713	143.4177	143.1505	142.6215	142.1002	141.5865	141.0809	140.5833
610.0	145.9663	145.9145	145.8627	145.8111	145.5538	145.0448	144.5434	144.0496	143.5637	143.0858
620.0	148.3862	148.3363	148.2865	148.2367	147.9890	147.4992	147.0168	146.5421	146.0751	145.6161
630.0	150.8074	150.7594	150.7114	150.6635	150.4251	149.9536	149.4896	149.0332	148.5844	148.1433
640.0	153.2287	153.1824	153.1362	153.0901	152.8605	152.4068	151.9604	151.5215	151.0902	150.6665
650.0	155.6497	155.6051	155.5606	155.5162	155.2952	154.8586	154.4292	154.0072	153.5926	153.1854
660.0	158.0708	158.0279	157.9850	157.9423	157.7295	157.3093	156.8963	156.4906	156.0922	155.7011
670.0	160.4867	160.4454	160.4041	160.3630	160.1582	159.7539	159.3566	158.9665	158.5836	158.2080
680.0	162.8805	162.8407	162.8010	162.7614	162.5643	162.1753	161.7933	161.4183	161.0506	160.6896
690.0	165.2975	165.2592	165.2210	165.1829	164.9932	164.6190	164.2516	163.8912	163.5378	163.1913
700.0	167.7171	167.6803	167.6435	167.6068	167.4243	167.0644	166.7112	166.3648	166.0253	165.6926
710.0	170.1446	170.1092	170.0738	170.0385	169.8629	169.5168	169.1773	168.8445	168.5185	168.1991
720.0	172.5722	172.5381	172.5040	172.4701	172.3012	171.9684	171.6422	171.3226	171.0095	170.7030
730.0	174.9996	174.9668	174.9341	174.9014	174.7391	174.4192	174.1058	173.7989	173.4983	173.2043
740.0	177.4277	177.3961	177.3647	177.3333	177.1772	176.8699	176.5689	176.2742	175.9858	175.7038
750.0	179.8633	179.8330	179.8028	179.7726	179.6227	179.3274	179.0384	178.7556	178.4790	178.2086
760.0	182.2952	182.2661	182.2371	182.2081	182.0641	181.7806	181.5032	181.2319	180.9668	180.7076
770.0	184.7208	184.6928	184.6649	184.6371	184.4988	184.2267	183.9606	183.7005	183.4464	183.1981
780.0	187.1538	187.1269	187.1002	187.0734	186.9407	186.6797	186.4245	186.1753	185.9318	185.6941
790.0	189.5881	189.5623	189.5366	189.5110	189.3837	189.1333	188.8888	188.6501	188.4170	188.1896
800.0	192.0227	191.9980	191.9734	191.9488	191.8267	191.5864	191.3526	191.1248	190.9030	190.6870
810.0	194.4569	194.4332	194.4096	194.3860	194.2690	194.0393	193.8151	193.5964	193.3831	193.1754
820.0	196.9159	196.8932	196.8706	196.8481	196.7360	196.5161	196.3016	196.0925	195.8888	195.6904
830.0	199.3753	199.3536	199.3320	199.3104	199.2032	198.9928	198.7878	198.5880	198.3935	198.2042
840.0	201.8052	201.7846	201.7637	201.7430	201.6405	201.4394	201.2436	201.0529	200.8674	200.6870
850.0	204.2526	204.2328	204.2130	204.1932	204.0953	203.9032	203.7163	203.5345	203.3577	203.1859

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TEMPERATURE / PRESSURE (PSIA) DEGREES R	20.000	30.000	40.000	50.000	100.000	200.000	300.000	400.000	500.000	600.000
860.0	206.7258	206.7068	206.6879	206.6690	206.5755	206.3923	206.2141	206.0408	205.8725	205.7091
870.0	209.1759	209.1579	209.1398	209.1218	209.0326	208.8580	208.6882	208.5233	208.3633	208.2080
880.0	211.6131	211.5959	211.5787	211.5615	211.4765	211.3102	211.1487	210.9920	210.8400	210.6927
890.0	214.0798	214.0634	214.0470	214.0307	213.9498	213.7916	213.6381	213.4893	213.3452	213.2056
900.0	216.5609	216.5452	216.5297	216.5142	216.4373	216.2870	216.1413	216.0003	215.8637	215.7316
910.0	219.0261	219.0113	218.9965	218.9818	218.9088	218.7662	218.6282	218.4946	218.3655	218.2408
920.0	221.4944	221.4803	221.4663	221.4523	221.3831	221.2481	221.1175	220.9913	220.8695	220.7519
930.0	223.9657	223.9523	223.9391	223.9258	223.8603	223.7326	223.6093	223.4902	223.3755	223.2649
940.0	226.4394	226.4268	226.4143	226.4018	226.3399	226.2193	226.1031	225.9910	225.8831	225.7796
950.0	228.9165	228.9046	228.8928	228.8810	228.8226	228.7091	228.5997	228.4945	228.3933	228.2962
960.0	231.3964	231.3852	231.3741	231.3630	231.3080	231.2013	231.0987	231.0001	230.9055	230.8149
970.0	233.8794	233.8689	233.8584	233.8479	233.7964	233.6963	233.6003	233.5082	233.4200	233.3357
980.0	236.3649	236.3550	236.3452	236.3354	236.2872	236.1936	236.1040	236.0182	235.9363	235.8582
990.0	238.8535	238.8442	238.8351	238.8259	238.7809	238.6937	238.6103	238.5308	238.4550	238.3829
1000.0	241.3452	241.3367	241.3281	241.3196	241.2777	241.1967	241.1195	241.0460	240.9762	240.9100
1010.0	243.8397	243.8317	243.8238	243.8159	243.7770	243.7021	243.6309	243.5633	243.4994	243.4389
1020.0	246.3372	246.3298	246.3225	246.3152	246.2794	246.2104	246.1450	246.0832	246.0250	245.9702
1030.0	248.8377	248.8309	248.8242	248.8175	248.7845	248.7213	248.6617	248.6056	248.5529	248.5036
1040.0	251.3411	251.3349	251.3287	251.3226	251.2925	251.2350	251.1810	251.1304	251.0832	251.0393
1050.0	253.8471	253.8415	253.8359	253.8304	253.8031	253.7511	253.7026	253.6574	253.6156	253.5770
1060.0	256.3564	256.3513	256.3462	256.3413	256.3167	256.2703	256.2271	256.1870	256.1506	256.1169
1070.0	258.8684	258.8638	258.8594	258.8550	258.8330	258.7917	258.7539	258.7192	258.6877	258.6594
1080.0	261.3833	261.3794	261.3755	261.3713	261.3523	261.3162	261.2834	261.2539	261.2273	261.2039
1090.0	263.9014	263.8979	263.8945	263.8911	263.8745	263.8435	263.8159	263.7913	263.7695	263.7510
1100.0	266.4224	266.4192	266.4163	266.4133	266.3994	266.3733	266.3506	266.3308	266.3140	266.3003
1110.0	268.9463	268.9437	268.9414	268.9390	268.9272	268.9063	268.8882	268.8733	268.8611	268.8521
1120.0	271.4734	271.471	271.4695	271.4675	271.4583	271.4419	271.4287	271.4185	271.4109	271.4063
1130.0	274.0029	274.0012	273.9998	273.9983	273.9915	273.9800	273.9714	273.9656	273.9626	273.9626
1140.0	276.5356	276.534	276.5334	276.5325	276.5278	276.5210	276.5168	276.5156	276.5173	276.5215
1150.0	279.0713	279.0708	279.0703	279.0696	279.0674	279.0649	279.0654	279.0686	279.0745	279.0830
1160.0	281.6101	281.6099	281.6099	281.6099	281.6099	281.6118	281.6167	281.6243	281.6343	281.6472
1170.0	284.1514	284.1514	284.1516	284.1519	284.1536	284.1589	284.1670	284.1775	284.1909	284.2068
1180.0	286.6958	286.6965	286.6973	286.6980	286.7021	286.7129	286.7258	286.7417	286.7600	286.7808
1190.0	289.2434	289.2444	289.2456	289.2468	289.2532	289.2678	289.2852	289.3049	289.3274	289.3523
1200.0	291.7937	291.7952	291.7969	291.7983	291.8069	291.8257	291.8472	291.8708	291.8972	291.9260
1210.0	294.3469	294.3489	294.3508	294.3530	294.3635	294.3862	294.4116	294.4395	294.4695	294.5022
1220.0	296.9033	296.9055	296.9080	296.9104	296.9229	296.9497	296.9788	297.0105	297.0444	297.0809
1230.0	299.4626	299.4653	299.4680	299.4709	299.4854	299.5161	299.5491	299.5845	299.6223	299.6621
1240.0	302.0244	302.0276	302.0308	302.0339	302.0503	302.0847	302.1216	302.1606	302.2019	302.2456
1250.0	304.5898	304.5933	304.5969	304.6006	304.6187	304.6570	304.6973	304.7402	304.7852	304.8323
1260.0	307.1575	307.1614	307.1653	307.1692	307.1892	307.2312	307.2751	307.3215	307.3701	307.4209
1270.0	309.7288	309.7332	309.7373	309.7417	309.7634	309.8088	309.8567	309.9065	309.9585	310.0125
1280.0	312.3025	312.3071	312.3118	312.3164	312.3401	312.3889	312.4402	312.4934	312.5488	312.6064
1290.0	314.8794	314.8843	314.8894	314.8943	314.9197	314.9722	315.0269	315.0835	315.1423	315.2031
1300.0	317.4595	317.4648	317.4700	317.4753	317.5024	317.5583	317.6162	317.6763	317.7385	317.8025
1310.0	320.0420	320.0476	320.0532	320.0588	320.0876	320.1470	320.2083	320.2715	320.3367	320.4041
1320.0	322.6277	322.6338	322.6396	322.6458	322.6763	322.7388	322.8032	322.8699	322.9382	323.0085
1330.0	325.2163	325.2227	325.2290	325.2354	325.2673	325.3330	325.4009	325.4705	325.5422	325.6157
1340.0	327.8081	327.8147	327.8213	327.8279	327.8616	327.9307	328.0015	328.0742	328.1489	328.2256
1350.0	330.4028	330.4099	330.4167	330.4238	330.4590	330.5310	330.6050	330.6809	330.7585	330.8381
1360.0	333.0002	333.0076	333.0146	333.0220	333.0588	333.1340	333.2109	333.2898	333.3706	333.4529
1370.0	335.6006	335.6082	335.6157	335.6235	335.6619	335.7400	335.8198	335.9016	335.9854	336.0708
1380.0	338.2039	338.2117	338.2195	338.2275	338.2673	338.3484	338.4314	338.5161	338.6025	338.6907
1390.0	340.8103	340.8186	340.8267	340.8350	340.8762	340.9602	341.0461	341.1338	341.2229	341.3140
1400.0	343.4197	343.4280	343.4365	343.4451	343.4878	343.5747	343.6633	343.7537	343.8459	343.9397
1410.0	346.0320	346.0408	346.0496	346.0583	346.1025	346.1921	346.2837	346.3770	346.4717	346.5681

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ENTHALPY

TEMPERATURE / PRESSURE(PSIA) DEGREES R	20.000	30.000	40.000	50.000	100.000	200.000	300.000	400.000	500.000	600.000
1420.0	348.6467	348.6558	348.6648	348.6738	348.7195	348.8120	348.9043	349.0022	349.0999	349.1990
1430.0	351.2651	351.2744	351.2837	351.2930	351.3401	351.4353	351.5322	351.6309	351.7310	351.8328
1440.0	353.8865	353.8960	353.9055	353.9153	353.9636	354.0615	354.1611	354.2625	354.3652	354.4695
1450.0	356.5103	356.5200	356.5300	356.5398	356.5896	356.6902	356.7925	356.8962	357.0017	357.1086
1460.0	359.1375	359.1477	359.1577	359.1680	359.2190	359.3220	359.4270	359.5334	359.6414	359.7507
1470.0	361.7671	361.7776	361.7878	361.7983	361.8506	361.9565	362.0637	362.1726	362.2832	362.3950
1480.0	364.4001	364.4109	364.4216	364.4321	364.4858	364.5940	364.7041	364.8154	364.9282	365.042[illegible]
1490.0	367.0359	367.0469	367.0579	367.0686	367.1235	367.2344	367.3467	367.4604	367.5759	367.692[illegible]
1500.0	369.6748	369.6858	369.6970	369.7083	369.7642	369.8774	369.9922	370.1086	370.2263	370.345[illegible]
1510.0	372.3169	372.3281	372.3396	372.3511	372.4082	372.5239	372.6411	372.7598	372.8799	373.0012
1520.0	374.9612	374.9727	374.9844	374.9961	375.0544	375.1726	375.2920	375.4131	375.5356	375.6592
1530.0	377.6089	377.6208	377.6328	377.6445	377.7043	377.8247	377.9465	378.0698	378.1946	378.3206
1540.0	380.2595	380.2717	380.2839	380.2959	380.3567	380.4795	380.6038	380.7292	380.8562	380.9844
1550.0	382.9131	382.9255	382.9377	382.9502	383.0122	383.1372	383.2637	383.3914	383.5205	383.6509
1560.0	385.5696	385.5823	385.5947	385.6074	385.6704	385.7976	385.9263	386.0564	386.1875	386.3201
1570.0	388.2290	388.2417	388.2546	388.2673	388.3315	388.4612	388.5920	388.7241	388.8574	388.9922
1580.0	390.8916	390.9045	390.9175	390.9307	390.9958	391.1277	391.2605	391.3948	391.5305	391.6672
1590.0	393.5569	393.5701	393.5833	393.5964	393.6628	393.7966	393.9319	394.0681	394.2058	394.3447
1600.0	396.2253	396.2388	396.2522	396.2659	396.3333	396.4692	396.6064	396.7449	396.8845	397.0256
1610.0	398.8965	398.9102	398.9238	398.9375	399.0061	399.1440	399.2834	399.4238	399.5657	399.7085
1620.0	401.5708	401.5847	401.5984	401.6123	401.6819	401.8220	401.9634	402.1060	402.2498	402.3945
1630.0	404.2478	404.2620	404.2761	404.2900	404.3606	404.5029	404.6462	404.7908	404.9365	405.0835
1640.0	406.9280	406.9424	406.9565	406.9707	407.0425	407.1865	407.3318	407.4785	407.6262	407.7749
1650.0	409.6111	409.6255	409.6399	409.6545	409.7271	409.8730	410.0205	410.1689	410.3186	410.4692
1660.0	412.2969	412.3115	412.3262	412.3411	412.4146	412.5625	412.7119	412.8623	413.0137	413.1661
1670.0	414.9861	415.0010	415.0159	415.0308	415.1052	415.2551	415.4063	415.5586	415.7119	415.8665
1680.0	417.6780	417.6929	417.7080	417.7231	417.7986	417.9504	418.1035	418.2576	418.4128	418.5691
1690.0	420.3728	420.3879	420.4033	420.4185	420.4949	420.6487	420.8037	420.9595	421.1167	421.2747
1700.0	423.0708	423.0862	423.1016	423.1169	423.1943	423.3499	423.5066	423.6643	423.8232	423.9832
1710.0	425.7715	425.7871	425.8027	425.8184	425.8967	426.0540	426.2126	426.3721	426.5327	426.6943
1720.0	428.4753	428.4910	428.5068	428.5227	428.6018	428.7610	428.9214	429.0825	429.2451	429.4084
1730.0	431.1819	431.1978	431.2139	431.2297	431.3098	431.4709	431.6328	431.7959	431.9602	432.1252
1740.0	433.8918	433.9080	433.9241	433.9402	434.0212	434.1838	434.3477	434.5125	434.6782	434.8450
1750.0	436.6042	436.6206	436.6370	436.6533	436.7351	436.8994	437.0649	437.2314	437.3989	437.5674
1760.0	439.3198	439.3364	439.3528	439.3694	439.4521	439.6182	439.7854	439.9536	440.1228	440.2930
1770.0	442.0383	442.0549	442.0715	442.0884	442.1719	442.3396	442.5085	442.6782	442.8491	443.0210
1780.0	444.7598	444.7766	444.7935	444.8103	444.8948	445.0642	445.2346	445.4060	445.5786	445.7520
1790.0	447.4846	447.5015	447.5186	447.5354	447.6206	447.7917	447.9639	448.1370	448.3110	448.4861
1800.0	450.2117	450.2288	450.2458	450.2632	450.3491	450.5217	450.6956	450.8704	451.0459	451.2226

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0.5 to 6.0 psia [redacted]

Table 2. Entropy of Air for Various Temperatures and Pressures

ENTROPY

TEMPERATURE / PRESSURE (PSIA) DEGREES R	0.500	1.000	1.500	2.000	2.500	3.000	3.500	4.000	5.000	6.000
300.0	1.7312	1.6836	1.6558	1.6360	1.6207	1.6082	1.5976	1.5884	1.5730	1.5605
310.0	1.7396	1.6920	1.6642	1.6444	1.6291	1.6166	1.6060	1.5968	1.5815	1.5689
320.0	1.7477	1.7001	1.6723	1.6525	1.6372	1.6246	1.6141	1.6049	1.5895	1.5770
330.0	1.7554	1.7078	1.6799	1.6602	1.6449	1.6323	1.6217	1.6126	1.5972	1.5847
340.0	1.7626	1.7151	1.6872	1.6675	1.6521	1.6396	1.6290	1.6199	1.6045	1.5920
350.0	1.7695	1.7219	1.6941	1.6743	1.6590	1.6465	1.6359	1.6267	1.6114	1.5988
360.0	1.7759	1.7284	1.7005	1.6808	1.6654	1.6529	1.6423	1.6332	1.6178	1.6053
370.0	1.7821	1.7345	1.7067	1.6869	1.6716	1.6591	1.6485	1.6393	1.6240	1.6114
380.0	1.7881	1.7406	1.7128	1.6930	1.6777	1.6652	1.6546	1.6454	1.6301	1.6175
390.0	1.7941	1.7466	1.7187	1.6990	1.6837	1.6712	1.6606	1.6514	1.6361	1.6235
400.0	1.8000	1.7525	1.7247	1.7049	1.6896	1.6771	1.6665	1.6573	1.6420	1.6294
410.0	1.8059	1.7583	1.7305	1.7107	1.6954	1.6829	1.6723	1.6631	1.6478	1.6353
420.0	1.8116	1.7640	1.7362	1.7165	1.7011	1.6886	1.6780	1.6689	1.6535	1.6410
430.0	1.8172	1.7697	1.7419	1.7221	1.7068	1.6943	1.6837	1.6745	1.6592	1.6467
440.0	1.8228	1.7752	1.7474	1.7277	1.7123	1.6998	1.6892	1.6801	1.6647	1.6522
450.0	1.8283	1.7807	1.7529	1.7331	1.7178	1.7053	1.6947	1.6855	1.6702	1.6577
460.0	1.8336	1.7861	1.7582	1.7385	1.7232	1.7107	1.7001	1.6909	1.6756	1.6631
470.0	1.8389	1.7914	1.7635	1.7438	1.7285	1.7160	1.7054	1.6962	1.6809	1.6683
480.0	1.8441	1.7965	1.7687	1.7490	1.7337	1.7211	1.7106	1.7014	1.6861	1.6735
490.0	1.8492	1.8016	1.7738	1.7541	1.7387	1.7262	1.7156	1.7065	1.6912	1.6786
500.0	1.8542	1.8066	1.7788	1.7591	1.7437	1.7312	1.7206	1.7115	1.6962	1.6836
510.0	1.8591	1.8115	1.7837	1.7640	1.7486	1.7361	1.7255	1.7164	1.7010	1.6885
520.0	1.8639	1.8163	1.7885	1.7687	1.7534	1.7409	1.7303	1.7212	1.7058	1.6933
530.0	1.8686	1.8210	1.7932	1.7734	1.7581	1.7456	1.7350	1.7259	1.7105	1.6980
540.0	1.8731	1.8256	1.7977	1.7780	1.7627	1.7502	1.7396	1.7304	1.7151	1.7026
550.0	1.8772	1.8297	1.8019	1.7821	1.7668	1.7543	1.7437	1.7345	1.7192	1.7067
560.0	1.8814	1.8338	1.8060	1.7862	1.7709	1.7584	1.7478	1.7387	1.7233	1.7108
570.0	1.8854	1.8379	1.8101	1.7903	1.7750	1.7625	1.7519	1.7427	1.7274	1.7149
580.0	1.8895	1.8420	1.8141	1.7944	1.7791	1.7666	1.7560	1.7468	1.7315	1.7190
590.0	1.8936	1.8460	1.8182	1.7984	1.7831	1.7706	1.7600	1.7509	1.7355	1.7230
600.0	1.8976	1.8500	1.8222	1.8024	1.7871	1.7746	1.7640	1.7549	1.7396	1.7270
610.0	1.9016	1.8540	1.8262	1.8064	1.7911	1.7786	1.7680	1.7589	1.7435	1.7310
620.0	1.9055	1.8579	1.8301	1.8104	1.7951	1.7826	1.7720	1.7628	1.7475	1.7350
630.0	1.9094	1.8619	1.8340	1.8143	1.7990	1.7865	1.7759	1.7667	1.7514	1.7389
640.0	1.9133	1.8657	1.8379	1.8182	1.8029	1.7903	1.7798	1.7706	1.7553	1.7428
650.0	1.9171	1.8696	1.8417	1.8220	1.8067	1.7942	1.7836	1.7744	1.7591	1.7466
660.0	1.9209	1.8733	1.8455	1.8258	1.8105	1.7980	1.7874	1.7782	1.7629	1.7504
670.0	1.9246	1.8771	1.8493	1.8295	1.8142	1.8017	1.7911	1.7819	1.7666	1.7541
680.0	1.9283	1.8808	1.8529	1.8332	1.8179	1.8054	1.7948	1.7856	1.7703	1.7578
690.0	1.9319	1.8844	1.8566	1.8368	1.8215	1.8090	1.7984	1.7893	1.7739	1.7614
700.0	1.9355	1.8880	1.8601	1.8404	1.8251	1.8126	1.8020	1.7928	1.7775	1.7650
710.0	1.9390	1.8915	1.8636	1.8439	1.8286	1.8161	1.8055	1.7963	1.7810	1.7685
720.0	1.9425	1.8949	1.8671	1.8473	1.8320	1.8195	1.8089	1.7998	1.7845	1.7719
730.0	1.9458	1.8983	1.8705	1.8507	1.8354	1.8229	1.8123	1.8032	1.7878	1.7753
740.0	1.9492	1.9016	1.8738	1.8541	1.8388	1.8262	1.8157	1.8065	1.7912	1.7787
750.0	1.9525	1.9049	1.8771	1.8574	1.8420	1.8295	1.8190	1.8098	1.7945	1.7820
760.0	1.9557	1.9082	1.8804	1.8606	1.8453	1.8328	1.8222	1.8130	1.7977	1.7852
770.0	1.9589	1.9114	1.8836	1.8638	1.8485	1.8360	1.8254	1.8163	1.8009	1.7884
780.0	1.9621	1.9145	1.8867	1.8670	1.8517	1.8392	1.8286	1.8194	1.8041	1.7916
790.0	1.9652	1.9177	1.8899	1.8701	1.8548	1.8423	1.8317	1.8225	1.8072	1.7947
800.0	1.9683	1.9208	1.8929	1.8732	1.8579	1.8454	1.8348	1.8256	1.8103	1.7979
810.0	1.9714	1.9238	1.8960	1.8762	1.8609	1.8484	1.8378	1.8287	1.8134	1.8008
820.0	1.9743	1.9268	1.8990	1.8792	1.8639	1.8514	1.8408	1.8317	1.8164	1.8038
830.0	1.9773	1.9298	1.9019	1.8822	1.8669	1.8544	1.8438	1.8346	1.8193	1.8068
840.0	1.9802	1.9327	1.9049	1.8851	1.8698	1.8573	1.8467	1.8375	1.8222	1.8097
850.0	1.9831	1.9355	1.9077	1.8880	1.8727	1.8602	1.8496	1.8404	1.8251	1.8126

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TEMPERATURE / PRESSURE (PSIA) DEGREES R	0.500	1.000	1.500	2.000	2.500	3.000	3.500	4.000	5.000	6.000
860.0	1.9859	1.9384	1.9106	1.8908	1.8755	1.8630	1.8524	1.8433	1.8280	1.8154
870.0	1.9887	1.9412	1.9134	1.8936	1.8783	1.8658	1.8552	1.8461	1.8308	1.8182
880.0	1.9915	1.9439	1.9161	1.8964	1.8811	1.8686	1.8580	1.8488	1.8335	1.8210
890.0	1.9942	1.9467	1.9188	1.8991	1.8838	1.8713	1.8607	1.8516	1.8362	1.8237
900.0	1.9969	1.9494	1.9215	1.9018	1.8865	1.8740	1.8634	1.8542	1.8389	1.8264
910.0	1.9996	1.9520	1.9242	1.9045	1.8892	1.8767	1.8661	1.8569	1.8416	1.8291
920.0	2.0022	1.9547	1.9269	1.9071	1.8918	1.8793	1.8687	1.8596	1.8443	1.8317
930.0	2.0049	1.9573	1.9295	1.9098	1.8945	1.8819	1.8714	1.8622	1.8469	1.8344
940.0	2.0075	1.9599	1.9321	1.9124	1.8971	1.8846	1.8740	1.8648	1.8495	1.8370
950.0	2.0101	1.9625	1.9347	1.9150	1.8997	1.8872	1.8766	1.8674	1.8521	1.8396
960.0	2.0127	1.9651	1.9373	1.9176	1.9022	1.8897	1.8792	1.8700	1.8547	1.8422
970.0	2.0152	1.9677	1.9398	1.9201	1.9048	1.8923	1.8817	1.8726	1.8572	1.8447
980.0	2.0178	1.9702	1.9424	1.9226	1.9073	1.8948	1.8842	1.8751	1.8598	1.8473
990.0	2.0203	1.9727	1.9449	1.9252	1.9099	1.8973	1.8868	1.8776	1.8623	1.8498
1000.0	2.0229	1.9752	1.9474	1.9277	1.9123	1.8998	1.8893	1.8801	1.8648	1.8523
1010.0	2.0252	1.9777	1.9499	1.9301	1.9148	1.9023	1.8917	1.8826	1.8673	1.8548
1020.0	2.0277	1.9801	1.9523	1.9326	1.9173	1.9048	1.8942	1.8850	1.8697	1.8572
1030.0	2.0301	1.9826	1.9548	1.9350	1.9197	1.9072	1.8966	1.8875	1.8722	1.8596
1040.0	2.0326	1.9850	1.9572	1.9374	1.9221	1.9096	1.8991	1.8899	1.8746	1.8621
1050.0	2.0350	1.9874	1.9596	1.9398	1.9245	1.9120	1.9015	1.8923	1.8770	1.8645
1060.0	2.0373	1.9898	1.9620	1.9422	1.9269	1.9144	1.9038	1.8947	1.8794	1.8668
1070.0	2.0397	1.9922	1.9643	1.9446	1.9293	1.9168	1.9062	1.8970	1.8817	1.8692
1080.0	2.0421	1.9945	1.9667	1.9469	1.9316	1.9191	1.9085	1.8994	1.8841	1.8716
1090.0	2.0444	1.9968	1.9690	1.9493	1.9340	1.9214	1.9109	1.9017	1.8864	1.8739
1100.0	2.0467	1.9991	1.9713	1.9516	1.9363	1.9238	1.9132	1.9040	1.8887	1.8762
1110.0	2.0490	2.0014	1.9736	1.9539	1.9386	1.9261	1.9155	1.9063	1.8910	1.8785
1120.0	2.0513	2.0037	1.9759	1.9561	1.9408	1.9283	1.9177	1.9086	1.8933	1.8808
1130.0	2.0535	2.0060	1.9781	1.9584	1.9431	1.9306	1.9200	1.9108	1.8955	1.8830
1140.0	2.0558	2.0082	1.9804	1.9606	1.9453	1.9328	1.9222	1.9131	1.8978	1.8853
1150.0	2.0580	2.0104	1.9826	1.9629	1.9476	1.9351	1.9245	1.9153	1.9000	1.8875
1160.0	2.0602	2.0126	1.9848	1.9651	1.9498	1.9373	1.9267	1.9175	1.9022	1.8897
1170.0	2.0624	2.0148	1.9870	1.9673	1.9520	1.9395	1.9289	1.9197	1.9044	1.8919
1180.0	2.0646	2.0170	1.9892	1.9694	1.9541	1.9416	1.9310	1.9219	1.9066	1.8941
1190.0	2.0667	2.0192	1.9913	1.9716	1.9563	1.9438	1.9332	1.9240	1.9087	1.8962
1200.0	2.0689	2.0213	1.9935	1.9737	1.9584	1.9459	1.9354	1.9262	1.9109	1.8984
1210.0	2.0710	2.0234	1.9956	1.9759	1.9606	1.9481	1.9375	1.9283	1.9130	1.9005
1220.0	2.0731	2.0255	1.9977	1.9780	1.9627	1.9502	1.9396	1.9304	1.9151	1.9026
1230.0	2.0752	2.0276	1.9998	1.9801	1.9648	1.9523	1.9417	1.9325	1.9172	1.9047
1240.0	2.0773	2.0297	2.0019	1.9822	1.9669	1.9543	1.9438	1.9346	1.9193	1.9068
1250.0	2.0793	2.0318	2.0040	1.9842	1.9689	1.9564	1.9458	1.9367	1.9214	1.9089
1260.0	2.0814	2.0338	2.0060	1.9863	1.9710	1.9585	1.9479	1.9387	1.9234	1.9109
1270.0	2.0834	2.0359	2.0081	1.9883	1.9730	1.9605	1.9499	1.9408	1.9255	1.9129
1280.0	2.0855	2.0379	2.0101	1.9903	1.9750	1.9625	1.9520	1.9428	1.9275	1.9150
1290.0	2.0875	2.0399	2.0121	1.9924	1.9770	1.9645	1.9540	1.9448	1.9295	1.9170
1300.0	2.0895	2.0419	2.0141	1.9944	1.9790	1.9665	1.9560	1.9468	1.9315	1.9190
1310.0	2.0914	2.0439	2.0161	1.9963	1.9810	1.9685	1.9579	1.9488	1.9335	1.9210
1320.0	2.0934	2.0459	2.0180	1.9983	1.9830	1.9705	1.9599	1.9507	1.9354	1.9229
1330.0	2.0954	2.0478	2.0200	2.0003	1.9850	1.9724	1.9619	1.9527	1.9374	1.9249
1340.0	2.0973	2.0498	2.0219	2.0022	1.9869	1.9744	1.9638	1.9546	1.9393	1.9268
1350.0	2.0992	2.0517	2.0239	2.0041	1.9888	1.9763	1.9657	1.9566	1.9413	1.9288
1360.0	2.1012	2.0536	2.0258	2.0060	1.9907	1.9782	1.9677	1.9585	1.9432	1.9307
1370.0	2.1031	2.0555	2.0277	2.0080	1.9926	1.9801	1.9696	1.9604	1.9451	1.9326
1380.0	2.1050	2.0574	2.0296	2.0098	1.9945	1.9820	1.9716	1.9623	1.9470	1.9345
1390.0	2.1068	2.0593	2.0315	2.0117	1.9964	1.9839	1.9733	1.9642	1.9489	1.9363
1400.0	2.1087	2.0611	2.0333	2.0136	1.9983	1.9858	1.9752	1.9660	1.9507	1.9382
1410.0	2.1106	2.0630	2.0352	2.0154	2.0001	1.9876	1.9770	1.9679	1.9526	1.9401

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TEMPERATURE / PRESSURE (PSIA) DEGREES R	0.500	1.000	1.500	2.000	2.500	3.000	3.500	4.000	5.000	6.000
1420.0	2.1124	2.0648	2.0370	2.0173	2.0020	1.9895	1.9789	1.9697	1.9544	1.9419
1430.0	2.1142	2.0667	2.0389	2.0191	2.0038	1.9913	1.9807	1.9716	1.9563	1.9437
1440.0	2.1161	2.0685	2.0407	2.0209	2.0056	1.9931	1.9825	1.9734	1.9581	1.9456
1450.0	2.1179	2.0703	2.0425	2.0228	2.0074	1.9949	1.9844	1.9752	1.9599	1.9474
1460.0	2.1197	2.0721	2.0443	2.0246	2.0092	1.9967	1.9862	1.9770	1.9617	1.9492
1470.0	2.1215	2.0739	2.0461	2.0263	2.0110	1.9985	1.9879	1.9788	1.9635	1.9510
1480.0	2.1232	2.0757	2.0479	2.0281	2.0128	2.0003	1.9897	1.9806	1.9653	1.9527
1490.0	2.1250	2.0774	2.0496	2.0299	2.0146	2.0021	1.9915	1.9823	1.9670	1.9545
1500.0	2.1268	2.0792	2.0514	2.0316	2.0163	2.0038	1.9932	1.9841	1.9688	1.9563
1510.0	2.1285	2.0809	2.0531	2.0334	2.0181	2.0056	1.9950	1.9858	1.9705	1.9580
1520.0	2.1302	2.0827	2.0549	2.0351	2.0198	2.0073	1.9967	1.9876	1.9723	1.9598
1530.0	2.1320	2.0844	2.0566	2.0369	2.0215	2.0090	1.9985	1.9893	1.9740	1.9615
1540.0	2.1337	2.0861	2.0583	2.0386	2.0233	2.0108	2.0002	1.9910	1.9757	1.9632
1550.0	2.1354	2.0878	2.0600	2.0403	2.0250	2.0125	2.0019	1.9927	1.9774	1.9649
1560.0	2.1371	2.0895	2.0617	2.0420	2.0267	2.0142	2.0036	1.9944	1.9791	1.9666
1570.0	2.1388	2.0912	2.0634	2.0437	2.0284	2.0159	2.0053	1.9961	1.9808	1.9683
1580.0	2.1405	2.0929	2.0651	2.0454	2.0301	2.0175	2.0070	1.9978	1.9825	1.9700
1590.0	2.1421	2.0946	2.0668	2.0470	2.0317	2.0192	2.0086	1.9995	1.9842	1.9717
1600.0	2.1438	2.0963	2.0684	2.0487	2.0334	2.0209	2.0103	2.0012	1.9858	1.9733
1610.0	2.1455	2.0979	2.0701	2.0504	2.0351	2.0225	2.0120	2.0028	1.9875	1.9750
1620.0	2.1471	2.0996	2.0718	2.0520	2.0367	2.0242	2.0136	2.0045	1.9892	1.9766
1630.0	2.1488	2.1012	2.0734	2.0537	2.0384	2.0258	2.0153	2.0061	1.9908	1.9783
1640.0	2.1504	2.1029	2.0750	2.0553	2.0400	2.0275	2.0169	2.0077	1.9924	1.9799
1650.0	2.1520	2.1045	2.0767	2.0569	2.0416	2.0291	2.0185	2.0094	1.9941	1.9815
1660.0	2.1537	2.1061	2.0783	2.0585	2.0432	2.0307	2.0202	2.0110	1.9957	1.9832
1670.0	2.1553	2.1077	2.0799	2.0602	2.0449	2.0323	2.0218	2.0126	1.9973	1.9848
1680.0	2.1569	2.1093	2.0815	2.0618	2.0465	2.0340	2.0234	2.0142	1.9989	1.9864
1690.0	2.1585	2.1109	2.0831	2.0634	2.0481	2.0356	2.0250	2.0158	2.0005	1.9880
1700.0	2.1601	2.1125	2.0847	2.0650	2.0497	2.0371	2.0266	2.0174	2.0021	1.9896
1710.0	2.1617	2.1141	2.0863	2.0666	2.0512	2.0387	2.0282	2.0190	2.0037	1.9912
1720.0	2.1633	2.1157	2.0879	2.0681	2.0528	2.0403	2.0297	2.0206	2.0053	1.9928
1730.0	2.1648	2.1173	2.0895	2.0697	2.0544	2.0419	2.0313	2.0222	2.0069	1.9943
1740.0	2.1664	2.1188	2.0910	2.0713	2.0560	2.0435	2.0329	2.0237	2.0084	1.9959
1750.0	2.1680	2.1204	2.0926	2.0729	2.0575	2.0450	2.0345	2.0253	2.0100	1.9975
1760.0	2.1695	2.1220	2.0942	2.0744	2.0591	2.0466	2.0360	2.0269	2.0116	1.9990
1770.0	2.1711	2.1235	2.0957	2.0760	2.0607	2.0482	2.0376	2.0284	2.0131	2.0006
1780.0	2.1726	2.1251	2.0973	2.0775	2.0622	2.0497	2.0391	2.0300	2.0147	2.0022
1790.0	2.1742	2.1266	2.0988	2.0791	2.0638	2.0513	2.0407	2.0315	2.0162	2.0037
1800.0	2.1757	2.1282	2.1004	2.0806	2.0653	2.0528	2.0422	2.0331	2.0178	2.0052

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Table 2. Continued

7.0 to 15.0 psia

ENTROPY

TEMPERATURE / PRESSURE (PSIA) DEGREES R	7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	14.696	15.000
300.0	1.5438	1.5406	1.5375	1.5345	1.5316	1.5286	1.5257	1.5228	1.5206	1.5199
310.0	1.5383	1.5351	1.5320	1.5289	1.5260	1.5230	1.5201	1.5173	1.5151	1.5144
320.0	1.5328	1.5297	1.5266	1.5235	1.5205	1.5176	1.5147	1.5118	1.5097	1.5090
330.0	1.5274	1.5243	1.5212	1.5182	1.5152	1.5123	1.5094	1.5066	1.5044	1.5038
340.0	1.5222	1.5191	1.5160	1.5130	1.5101	1.5072	1.5043	1.5015	1.4994	1.4988
350.0	1.5170	1.5139	1.5109	1.5079	1.5050	1.5021	1.4993	1.4965	1.4944	1.4938
360.0	1.5119	1.5089	1.5059	1.5029	1.5000	1.4972	1.4944	1.4916	1.4895	1.4889
370.0	1.5069	1.5039	1.5009	1.4980	1.4951	1.4923	1.4895	1.4868	1.4847	1.4841
380.0	1.5020	1.4990	1.4961	1.4931	1.4903	1.4875	1.4847	1.4820	1.4800	1.4794
390.0	1.4971	1.4942	1.4913	1.4884	1.4856	1.4828	1.4800	1.4774	1.4753	1.4748
400.0	1.4924	1.4895	1.4866	1.4838	1.4810	1.4782	1.4755	1.4728	1.4708	1.4702
410.0	1.4877	1.4848	1.4820	1.4792	1.4764	1.4737	1.4710	1.4683	1.4663	1.4658
420.0	1.4831	1.4803	1.4775	1.4747	1.4719	1.4692	1.4665	1.4639	1.4619	1.4614
430.0	1.4786	1.4758	1.4730	1.4703	1.4675	1.4648	1.4622	1.4596	1.4576	1.4571
440.0	1.4742	1.4714	1.4687	1.4659	1.4632	1.4606	1.4579	1.4554	1.4534	1.4529
450.0	1.4699	1.4671	1.4644	1.4617	1.4590	1.4564	1.4538	1.4512	1.4493	1.4488
460.0	1.4656	1.4629	1.4602	1.4576	1.4549	1.4523	1.4498	1.4472	1.4453	1.4448
470.0	1.4614	1.4588	1.4561	1.4535	1.4509	1.4483	1.4458	1.4433	1.4414	1.4409
480.0	1.4573	1.4547	1.4521	1.4495	1.4469	1.4444	1.4419	1.4394	1.4376	1.4371
490.0	1.4533	1.4507	1.4481	1.4456	1.4430	1.4405	1.4381	1.4356	1.4338	1.4333
500.0	1.4493	1.4468	1.4442	1.4417	1.4392	1.4367	1.4343	1.4319	1.4301	1.4296
510.0	1.4454	1.4429	1.4404	1.4379	1.4354	1.4330	1.4306	1.4282	1.4264	1.4260
520.0	1.4416	1.4391	1.4366	1.4341	1.4317	1.4293	1.4269	1.4246	1.4228	1.4224
530.0	1.4378	1.4353	1.4329	1.4304	1.4280	1.4256	1.4233	1.4210	1.4193	1.4188
540.0	1.4341	1.4316	1.4292	1.4268	1.4244	1.4220	1.4197	1.4175	1.4158	1.4153
550.0	1.4304	1.4280	1.4256	1.4232	1.4208	1.4185	1.4162	1.4140	1.4123	1.4119
560.0	1.4268	1.4244	1.4220	1.4197	1.4173	1.4150	1.4128	1.4106	1.4089	1.4085
570.0	1.4233	1.4209	1.4186	1.4162	1.4139	1.4116	1.4094	1.4072	1.4056	1.4051
580.0	1.4198	1.4175	1.4151	1.4128	1.4105	1.4083	1.4060	1.4039	1.4023	1.4018
590.0	1.4164	1.4141	1.4118	1.4095	1.4072	1.4050	1.4028	1.4006	1.3990	1.3986
600.0	1.4131	1.4107	1.4085	1.4062	1.4040	1.4017	1.3995	1.3974	1.3958	1.3954
610.0	1.4098	1.4075	1.4052	1.4030	1.4007	1.3985	1.3964	1.3943	1.3927	1.3923
620.0	1.4065	1.4043	1.4020	1.3998	1.3976	1.3954	1.3933	1.3912	1.3897	1.3893
630.0	1.4033	1.4011	1.3989	1.3967	1.3945	1.3924	1.3903	1.3882	1.3867	1.3863
640.0	1.4002	1.3980	1.3958	1.3936	1.3915	1.3894	1.3873	1.3853	1.3838	1.3834
650.0	1.3971	1.3949	1.3928	1.3906	1.3885	1.3864	1.3844	1.3824	1.3809	1.3805
660.0	1.3940	1.3919	1.3898	1.3877	1.3856	1.3835	1.3815	1.3795	1.3781	1.3777
670.0	1.3910	1.3889	1.3868	1.3847	1.3826	1.3806	1.3786	1.3767	1.3752	1.3749
680.0	1.3881	1.3860	1.3839	1.3818	1.3798	1.3778	1.3758	1.3739	1.3725	1.3721
690.0	1.3852	1.3831	1.3811	1.3790	1.3770	1.3750	1.3731	1.3712	1.3698	1.3694
700.0	1.3823	1.3803	1.3783	1.3762	1.3742	1.3723	1.3704	1.3685	1.3671	1.3668
710.0	1.3795	1.3775	1.3755	1.3735	1.3715	1.3696	1.3677	1.3658	1.3645	1.3641
720.0	1.3768	1.3748	1.3728	1.3708	1.3689	1.3670	1.3651	1.3633	1.3619	1.3616
730.0	1.3741	1.3721	1.3701	1.3682	1.3663	1.3644	1.3625	1.3607	1.3594	1.3591
740.0	1.3714	1.3695	1.3675	1.3656	1.3637	1.3618	1.3600	1.3582	1.3569	1.3566
750.0	1.3688	1.3669	1.3649	1.3630	1.3611	1.3593	1.3574	1.3557	1.3544	1.3541
760.0	1.3662	1.3643	1.3624	1.3605	1.3586	1.3568	1.3550	1.3532	1.3519	1.3516
770.0	1.3637	1.3618	1.3599	1.3580	1.3562	1.3543	1.3525	1.3508	1.3495	1.3492
780.0	1.3612	1.3593	1.3574	1.3556	1.3537	1.3519	1.3501	1.3484	1.3471	1.3468
790.0	1.3587	1.3568	1.3550	1.3531	1.3513	1.3495	1.3478	1.3460	1.3448	1.3445
800.0	1.3562	1.3544	1.3526	1.3507	1.3489	1.3472	1.3454	1.3437	1.3425	1.3422
810.0	1.3538	1.3520	1.3502	1.3484	1.3466	1.3448	1.3431	1.3414	1.3402	1.3399
820.0	1.3515	1.3497	1.3479	1.3461	1.3443	1.3426	1.3408	1.3392	1.3379	1.3377
830.0	1.3492	1.3474	1.3456	1.3438	1.3421	1.3403	1.3386	1.3369	1.3357	1.3354
840.0	1.3469	1.3451	1.3434	1.3416	1.3398	1.3381	1.3364	1.3347	1.3335	1.3332
850.0	1.3446	1.3429	1.3411	1.3394	1.3376	1.3359	1.3342	1.3325	1.3313	1.3310

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ENTROPY

TEMPERATURE / PRESSURE (PSIA) DEGREES R	7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	14.696	15.000
[illegible]	1.8049	1.7957	[illegible]	1.7804	1.7738	[illegible]	1.7624	1.7573	1.7539	1.7525
870.0	1.8077	1.7985	1.7904	1.7832	1.7766	1.7707	1.7652	1.7601	1.7568	1.7553
[illegible]	1.8104	[illegible]	[illegible]	1.7859	1.7796	[illegible]	1.7679	1.7628	1.7595	1.7581
890.0	1.8131	1.8040	1.7959	1.7887	1.7821	1.7761	1.7707	1.7656	1.7622	1.7608
[illegible]	1.8158	1.8067	1.7986	1.7913	1.7848	[illegible]	1.7733	1.7682	1.7649	1.7635
910.0	1.8185	1.8093	1.8013	1.7940	1.7875	1.7815	1.7760	1.7709	1.7676	1.7662
[illegible]	[illegible]	1.8120	[illegible]	1.7967	1.7901	1.7842	1.7787	1.7736	1.7703	1.7689
930.0	1.8233	1.8146	1.8066	1.7993	1.7928	1.7868	1.7813	1.7762	1.7729	1.7715
[illegible]	1.8264	1.8173	[illegible]	1.8019	1.7956	[illegible]	1.7839	1.7788	1.7755	1.7741
950.0	1.8290	1.8199	1.8118	1.8045	1.7980	1.7920	1.7865	1.7814	1.7781	1.7767
[illegible]	[illegible]	1.8224	[illegible]	1.8071	[illegible]	1.7946	1.7891	1.7840	1.7807	1.7793
970.0	1.8341	1.8250	1.8169	1.8097	1.8031	1.7972	1.7917	1.7866	1.7832	1.7818
[illegible]	1.8367	1.8275	[illegible]	1.8122	[illegible]	[illegible]	1.7942	1.7891	1.7858	1.7844
990.0	1.8392	1.8300	1.8220	1.8147	1.8082	1.8022	1.7967	1.7916	1.7883	1.7869
[illegible]	[illegible]	1.8325	[illegible]	1.8172	1.8107	[illegible]	1.7992	1.7941	1.7908	1.7894
1010.0	1.8442	1.8350	1.8269	1.8197	1.8132	1.8072	1.8017	1.7966	1.7933	1.7919
[illegible]	1.8466	1.8375	[illegible]	1.8222	[illegible]	1.8096	1.8041	1.7991	1.7957	1.7943
1030.0	1.8491	1.8399	1.8318	1.8246	1.8180	1.8121	1.8066	1.8015	1.7982	1.7968
[illegible]	[illegible]	1.8423	[illegible]	1.8270	1.8205	[illegible]	1.8090	1.8039	1.8006	1.7992
1050.0	1.8539	1.8447	1.8366	1.8294	1.8229	1.8169	1.8114	1.8063	1.8030	1.8016
[illegible]	[illegible]	1.8471	1.8390	1.8318	1.8253	[illegible]	1.8138	1.8087	1.8054	1.8040
1070.0	1.8586	1.8495	1.8414	1.8342	1.8276	1.8216	1.8162	1.8111	1.8077	1.8063
[illegible]	1.8610	[illegible]	[illegible]	1.8365	1.8300	[illegible]	1.8185	1.8134	1.8101	1.8087
1090.0	1.8633	1.8541	1.8461	1.8388	1.8323	1.8263	1.8208	1.8157	1.8124	1.8110
[illegible]	1.8656	[illegible]	[illegible]	[illegible]	1.8346	1.8286	1.8231	1.8181	1.8147	1.8133
1110.0	1.8679	1.8587	1.8507	1.8434	1.8369	1.8309	1.8254	1.8203	1.8170	1.8156
[illegible]	[illegible]	1.8610	1.8529	1.8457	1.8392	[illegible]	1.8277	1.8226	1.8193	1.8179
1130.0	1.8724	1.8633	1.8552	1.8480	1.8414	1.8355	1.8300	1.8249	1.8215	1.8201
[illegible]	[illegible]	1.8655	1.8574	1.8502	[illegible]	[illegible]	1.8322	1.8271	1.8238	1.8224
1150.0	1.8769	1.8677	1.8597	1.8524	1.8459	1.8399	1.8344	1.8293	1.8260	1.8246
[illegible]	[illegible]	1.8700	1.8619	1.8546	1.8481	[illegible]	1.8366	1.8316	1.8282	1.8268
1170.0	1.8813	1.8721	1.8641	1.8568	1.8503	1.8443	1.8388	1.8337	1.8304	1.8290
[illegible]	[illegible]	1.8743	1.8662	1.8590	1.8525	[illegible]	1.8410	1.8359	1.8326	1.8312
1190.0	1.8856	1.8765	1.8684	1.8612	1.8546	1.8487	1.8432	1.8381	1.8347	1.8333
[illegible]	[illegible]	1.8786	1.8705	1.8633	1.8568	[illegible]	1.8453	1.8402	1.8369	1.8355
1210.0	1.8899	1.8808	1.8727	1.8654	1.8589	1.8529	1.8474	1.8424	1.8390	1.8376
[illegible]	[illegible]	1.8829	[illegible]	1.8676	[illegible]	1.8550	1.8496	1.8445	1.8411	1.8397
1230.0	1.8941	1.8850	1.8769	1.8697	1.8631	1.8571	1.8516	1.8466	1.8432	1.8418
[illegible]	1.8962	1.8870	[illegible]	[illegible]	[illegible]	[illegible]	1.8537	1.8486	1.8453	1.8439
1250.0	1.8983	1.8891	1.8810	1.8738	1.8673	1.8613	[illegible]	1.8507	1.8474	1.8460
[illegible]	[illegible]	1.8912	1.8831	[illegible]	[illegible]	[illegible]	1.8579	1.8528	1.8494	1.8480
1270.0	1.9024	1.8932	1.8851	1.8779	1.8714	1.8654	1.8599	1.8548	1.8515	1.8501
[illegible]	[illegible]	1.8952	[illegible]	1.8799	[illegible]	[illegible]	1.8619	1.8568	1.8535	1.8521
1290.0	1.9064	1.8972	1.8892	1.8819	1.8754	1.8694	1.8639	1.8588	1.8555	1.8541
[illegible]	[illegible]	1.8992	[illegible]	[illegible]	[illegible]	1.8714	1.8659	1.8608	1.8575	1.8561
1310.0	1.9104	1.9012	1.8931	1.8859	1.8794	1.8734	1.8679	1.8628	1.8595	1.8581
[illegible]	[illegible]	1.9032	[illegible]	[illegible]	1.8813	1.8754	1.8699	1.8648	1.8615	1.8601
1330.0	1.9143	1.9051	1.8971	1.8898	1.8833	1.8773	1.8718	1.8667	1.8634	1.8620
[illegible]	[illegible]	1.9071	[illegible]	[illegible]	1.8852	1.8793	1.8738	1.8687	1.8654	1.8639
1350.0	1.9182	1.9090	1.9009	1.8937	1.8872	1.8812	1.8757	1.8706	1.8673	1.8659
[illegible]	[illegible]	1.9109	1.9028	1.8956	1.8891	[illegible]	1.8776	1.8725	1.8692	1.8678
1370.0	1.9220	1.9128	1.9048	1.8975	1.8910	1.8850	1.8795	1.8744	1.8711	1.8697
[illegible]	[illegible]	1.9147	[illegible]	1.8994	[illegible]	[illegible]	1.8814	1.8763	1.8730	1.8716
1390.0	1.9258	1.9166	1.9085	1.9013	1.8948	1.8888	1.8833	1.8782	1.8749	1.8735
[illegible]	[illegible]	1.9185	[illegible]	1.9032	1.8966	[illegible]	1.8852	1.8801	1.8767	1.8753
1410.0	1.9295	1.9203	1.9122	1.9050	1.8985	1.8925	1.8870	1.8819	1.8786	1.8772

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ENTROPY

TEMPERATURE / PRESSURE(PSIA) DEGREES R	7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	14.696	15.000
1420.0	1.9313	1.9222	1.9141	1.9069	1.9003	1.8944	1.8889	1.8838	1.8804	1.8790
1430.0	1.9332	1.9240	1.9159	1.9087	1.9022	1.8962	1.8907	1.8856	1.8823	1.8809
1440.0	1.9350	1.9258	1.9177	1.9105	1.9040	1.8980	1.8925	1.8876	1.8841	1.8827
1450.0	1.9368	1.9276	1.9196	1.9123	1.9058	1.8998	1.8943	1.8892	1.8859	1.8845
1460.0	1.9386	1.9294	1.9214	1.9141	1.9076	1.9016	1.8961	1.8910	1.8877	1.8863
1470.0	1.9404	1.9312	1.9231	1.9159	1.9094	1.9034	1.8979	1.8928	1.8895	1.8881
1480.0	1.9422	1.9330	1.9249	1.9177	1.9112	1.9052	1.8997	1.8946	1.8913	1.8899
1490.0	1.9439	1.9348	1.9267	1.9195	1.9129	1.9069	1.9015	1.8964	1.8930	1.8916
1500.0	1.9457	1.9365	1.9284	1.9212	1.9147	1.9087	1.9032	1.8981	1.8948	1.8934
1510.0	1.9474	1.9383	1.9302	1.9230	1.9164	1.9105	1.9050	1.8999	1.8965	1.8951
1520.0	1.9492	1.9400	1.9319	1.9247	1.9182	1.9122	1.9067	1.9016	1.8983	1.8969
1530.0	1.9509	1.9417	1.9337	1.9264	1.9199	1.9139	1.9084	1.9033	1.9000	1.8986
1540.0	1.9526	1.9435	1.9354	1.9282	1.9216	1.9156	1.9101	1.9051	1.9017	1.9003
1550.0	1.9543	1.9452	1.9371	1.9299	1.9233	1.9174	1.9119	1.9068	1.9034	1.9020
1560.0	1.9560	1.9469	1.9388	1.9316	1.9250	1.9191	1.9136	1.9085	1.9051	1.9037
1570.0	1.9577	1.9486	1.9405	1.9333	1.9267	1.9207	1.9153	1.9102	1.9068	1.9054
1580.0	1.9594	1.9502	1.9422	1.9349	1.9284	1.9224	1.9169	1.9119	1.9085	1.9071
1590.0	1.9611	1.9519	1.9438	1.9366	1.9301	1.9241	1.9186	1.9135	1.9102	1.9088
1600.0	1.9628	1.9536	1.9455	1.9383	1.9317	1.9258	1.9203	1.9152	1.9119	1.9105
1610.0	1.9644	1.9553	1.9472	1.9399	1.9334	1.9274	1.9219	1.9169	1.9135	1.9121
1620.0	1.9661	1.9569	1.9488	1.9416	1.9351	1.9291	1.9236	1.9185	1.9152	1.9138
1630.0	1.9677	1.9585	1.9505	1.9432	1.9367	1.9307	1.9252	1.9201	1.9168	1.9154
1640.0	1.9693	1.9602	1.9521	1.9449	1.9383	1.9324	1.9269	1.9218	1.9185	1.9170
1650.0	1.9710	1.9618	1.9537	1.9465	1.9400	1.9340	1.9285	1.9234	1.9201	1.9187
1660.0	1.9726	1.9634	1.9554	1.9481	1.9416	1.9356	1.9301	1.9250	1.9217	1.9203
1670.0	1.9742	1.9650	1.9570	1.9497	1.9432	1.9372	1.9317	1.9266	1.9233	1.9219
1680.0	1.9758	1.9667	1.9586	1.9513	1.9448	1.9388	1.9333	1.9283	1.9249	1.9235
1690.0	1.9774	1.9683	1.9602	1.9529	1.9464	1.9404	1.9349	1.9299	1.9265	1.9251
1700.0	1.9790	1.9699	1.9618	1.9545	1.9480	1.9420	1.9365	1.9315	1.9281	1.9267
1710.0	1.9806	1.9714	1.9634	1.9561	1.9496	1.9436	1.9381	1.9330	1.9297	1.9283
1720.0	1.9822	1.9730	1.9649	1.9577	1.9512	1.9452	1.9397	1.9346	1.9313	1.9299
1730.0	1.9838	1.9746	1.9665	1.9593	1.9528	1.9468	1.9413	1.9362	1.9329	1.9315
1740.0	1.9853	1.9762	1.9681	1.9609	1.9543	1.9484	1.9429	1.9378	1.9345	1.9330
1750.0	1.9869	1.9777	1.9697	1.9624	1.9559	1.9499	1.9444	1.9393	1.9360	1.9346
1760.0	1.9885	1.9793	1.9712	1.9640	1.9575	1.9515	1.9460	1.9409	1.9376	1.9362
1770.0	1.9900	1.9809	1.9728	1.9656	1.9590	1.9530	1.9476	1.9425	1.9391	1.9377
1780.0	1.9916	1.9824	1.9743	1.9671	1.9606	1.9546	1.9491	1.9440	1.9407	1.9393
1790.0	1.9931	1.9840	1.9759	1.9687	1.9621	1.9561	1.9507	1.9456	1.9422	1.9408
1800.0	1.9947	1.9855	1.9774	1.9702	1.9637	1.9577	1.9522	1.9471	1.9438	1.9424

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Table 2. Concluded

20.0 to 600.0 psia	[redacted]

ENTROPY

TEMPERATURE / PRESSURE (PSIA) DEGREES R	20.000	30.000	40.000	50.000	100.000	200.000	300.000	400.000	500.000	600.000
300.0	1.4772	1.4489	1.4287	1.4130	1.3630	1.3105	1.2774	1.2521	1.2309	1.2119
310.0	1.4857	1.4575	1.4373	1.4216	1.3718	1.3197	1.2872	1.2624	1.2418	1.2237
320.0	1.4938	1.4656	1.4455	1.4298	1.3802	1.3285	1.2963	1.2721	1.2520	1.2345
330.0	1.5016	1.4734	1.4533	1.4376	1.3882	1.3368	1.3050	1.2812	1.2616	1.2446
340.0	1.5089	1.4807	1.4607	1.4450	1.3957	1.3447	1.3132	1.2897	1.2705	1.2540
350.0	1.5158	1.4877	1.4676	1.4520	1.4028	1.3520	1.3208	1.2976	1.2788	1.2628
360.0	1.5223	1.4942	1.4741	1.4585	1.4095	1.3589	1.3280	1.3050	1.2865	1.2706
370.0	1.5285	1.5004	1.4804	1.4648	1.4158	1.3654	1.3347	1.3121	1.2938	1.2782
380.0	1.5346	1.5065	1.4865	1.4709	1.4221	1.3719	1.3414	1.3189	1.3008	1.2855
390.0	1.5406	1.5125	1.4925	1.4770	1.4282	1.3782	1.3479	1.3256	1.3077	1.2926
400.0	1.5465	1.5185	1.4985	1.4830	1.4343	1.3844	1.3542	1.3321	1.3144	1.2995
410.0	1.5524	1.5243	1.5044	1.4889	1.4402	1.3905	1.3605	1.3385	1.3210	1.3062
420.0	1.5581	1.5301	1.5102	1.4946	1.4461	1.3965	1.3666	1.3448	1.3274	1.3128
430.0	1.5638	1.5358	1.5158	1.5003	1.4518	1.4023	1.3726	1.3509	1.3336	1.3191
440.0	1.5694	1.5414	1.5214	1.5060	1.4575	1.4081	1.3785	1.3569	1.3397	1.3254
450.0	1.5748	1.5469	1.5269	1.5115	1.4630	1.4138	1.3842	1.3627	1.3457	1.3315
460.0	1.5802	1.5523	1.5324	1.5169	1.4685	1.4193	1.3899	1.3685	1.3515	1.3374
470.0	1.5855	1.5576	1.5377	1.5222	1.4739	1.4248	1.3954	1.3741	1.3572	1.3432
480.0	1.5907	1.5628	1.5429	1.5274	1.4791	1.4301	1.4008	1.3796	1.3628	1.3488
490.0	1.5958	1.5679	1.5480	1.5325	1.4843	1.4353	1.4061	1.3850	1.3683	1.3544
500.0	1.6008	1.5729	1.5530	1.5376	1.4893	1.4405	1.4113	1.3902	1.3736	1.3598
510.0	1.6057	1.5778	1.5579	1.5425	1.4943	1.4455	1.4164	1.3954	1.3788	1.3650
520.0	1.6106	1.5826	1.5628	1.5473	1.4992	1.4504	1.4214	1.4004	1.3839	1.3702
530.0	1.6153	1.5873	1.5675	1.5520	1.5039	1.4552	1.4262	1.4053	1.3889	1.3752
540.0	1.6198	1.5919	1.5720	1.5566	1.5085	1.4598	1.4309	1.4101	1.3937	1.3801
550.0	1.6240	1.5960	1.5762	1.5608	1.5127	1.4641	1.4352	1.4144	1.3980	1.3845
560.0	1.6281	1.6002	1.5803	1.5649	1.5168	1.4683	1.4394	1.4187	1.4024	1.3889
570.0	1.6322	1.6043	1.5844	1.5690	1.5210	1.4724	1.4436	1.4229	1.4067	1.3932
580.0	1.6362	1.6083	1.5885	1.5731	1.5251	1.4766	1.4478	1.4272	1.4109	1.3975
590.0	1.6403	1.6124	1.5926	1.5772	1.5291	1.4807	1.4520	1.4313	1.4152	1.4018
600.0	1.6443	1.6164	1.5966	1.5812	1.5332	1.4848	1.4561	1.4355	1.4193	1.4060
610.0	1.6483	1.6204	1.6006	1.5852	1.5372	1.4888	1.4602	1.4396	1.4235	1.4102
620.0	1.6523	1.6244	1.6045	1.5892	1.5412	1.4928	1.4642	1.4437	1.4276	1.4143
630.0	1.6562	1.6283	1.6085	1.5931	1.5451	1.4968	1.4682	1.4477	1.4317	1.4184
640.0	1.6601	1.6322	1.6124	1.5970	1.5490	1.5007	1.4722	1.4517	1.4357	1.4224
650.0	1.6639	1.6360	1.6162	1.6008	1.5529	1.5046	1.4761	1.4556	1.4396	1.4264
660.0	1.6677	1.6398	1.6200	1.6046	1.5567	1.5085	1.4799	1.4595	1.4435	1.4304
670.0	1.6714	1.6435	1.6237	1.6084	1.5605	1.5122	1.4838	1.4634	1.4474	1.4342
680.0	1.6751	1.6472	1.6274	1.6120	1.5642	1.5160	1.4875	1.4671	1.4512	1.4381
690.0	1.6787	1.6509	1.6311	1.6157	1.5678	1.5196	1.4912	1.4708	1.4549	1.4418
700.0	1.6823	1.6544	1.6346	1.6193	1.5714	1.5232	1.4948	1.4745	1.4586	1.4455
710.0	1.6858	1.6579	1.6381	1.6228	1.5749	1.5268	1.4984	1.4781	1.4622	1.4491
720.0	1.6893	1.6614	1.6416	1.6262	1.5784	1.5303	1.5019	1.4816	1.4657	1.4527
730.0	1.6926	1.6648	1.6450	1.6296	1.5818	1.5337	1.5053	1.4850	1.4692	1.4562
740.0	1.6960	1.6681	1.6483	1.6330	1.5851	1.5371	1.5087	1.4884	1.4725	1.4596
750.0	1.6993	1.6714	1.6516	1.6363	1.5885	1.5404	1.5121	1.4918	1.4760	1.4630
760.0	1.7025	1.6747	1.6549	1.6395	1.5917	1.5437	1.5154	1.4951	1.4793	1.4663
770.0	1.7058	1.6779	1.6581	1.6427	1.5949	1.5469	1.5186	1.4984	1.4826	1.4696
780.0	1.7089	1.6811	1.6613	1.6459	1.5981	1.5501	1.5218	1.5016	1.4858	1.4729
790.0	1.7121	1.6842	1.6644	1.6491	1.6013	1.5533	1.5250	1.5048	1.4890	1.4761
800.0	1.7151	1.6873	1.6675	1.6521	1.6044	1.5564	1.5281	1.5079	1.4922	1.4792
810.0	1.7182	1.6903	1.6705	1.6552	1.6074	1.5594	1.5312	1.5110	1.4953	1.4824
820.0	1.7212	1.6933	1.6735	1.6582	1.6104	1.5624	1.5342	1.5141	1.4983	1.4854
830.0	1.7241	1.6963	1.6765	1.6612	1.6134	1.5654	1.5372	1.5171	1.5014	1.4885
840.0	1.7271	1.6992	1.6794	1.6641	1.6163	1.5684	1.5402	1.5200	1.5043	1.4914
850.0	1.7299	1.7021	1.6823	1.6670	1.6192	1.5713	1.5431	1.5230	1.5073	1.4944

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TEMPERATURE / PRESSURE (PSIA)										
DEGREES R	20.000	30.000	40.000	50.000	100.000	200.000	300.000	400.000	500.000	600.000
860.0	1.7328	1.7049	1.6852	1.6698	1.6221	1.5761	1.5459	1.5258	1.5102	1.4973
870.0	1.7356	1.7077	1.6880	1.6726	1.6249	1.5789	1.5488	1.5287	1.5130	1.5001
880.0	1.7384	1.7105	1.6907	1.6754	1.6276	1.5797	1.5516	1.5315	1.5158	1.5030
890.0	1.7411	1.7132	1.6934	1.6781	1.6304	1.5825	1.5543	1.5342	1.5186	1.5057
900.0	1.7438	1.7159	1.6961	1.6808	1.6331	1.5852	1.5570	1.5369	1.5213	1.5085
910.0	1.7464	1.7186	1.6988	1.6835	1.6358	1.5879	1.5597	1.5397	1.5240	1.5112
920.0	1.7491	1.7212	1.7015	1.6861	1.6384	1.5905	1.5624	1.5423	1.5267	1.5139
930.0	1.7517	1.7239	1.7041	1.6888	1.6411	1.5932	1.5651	1.5450	1.5294	1.5166
940.0	1.7544	1.7265	1.7067	1.6914	1.6437	1.5958	1.5677	1.5477	1.5321	1.5192
950.0	1.7570	1.7291	1.7093	1.6940	1.6463	1.5984	1.5703	1.5503	1.5347	1.5219
960.0	1.7595	1.7317	1.7119	1.6966	1.6489	1.6010	1.5729	1.5529	1.5373	1.5245
970.0	1.7621	1.7342	1.7145	1.6991	1.6514	1.6036	1.5755	1.5555	1.5399	1.5271
980.0	1.7646	1.7368	1.7170	1.7017	1.6540	1.6061	1.5780	1.5580	1.5425	1.5297
990.0	1.7671	1.7393	1.7195	1.7042	1.6565	1.6087	1.5806	1.5606	1.5451	1.5322
1000.0	1.7696	1.7418	1.7220	1.7067	1.6590	1.6112	1.5831	1.5631	1.5475	1.5348
1010.0	1.7721	1.7443	1.7245	1.7092	1.6615	1.6137	1.5856	1.5656	1.5500	1.5373
1020.0	1.7746	1.7467	1.7270	1.7116	1.6639	1.6161	1.5881	1.5681	1.5525	1.5398
1030.0	1.7770	1.7492	1.7294	1.7141	1.6664	1.6186	1.5905	1.5705	1.5550	1.5422
1040.0	1.7794	1.7516	1.7318	1.7165	1.6688	1.6210	1.5930	1.5730	1.5574	1.5447
1050.0	1.7818	1.7540	1.7342	1.7189	1.6712	1.6234	1.5954	1.5754	1.5599	1.5471
1060.0	1.7842	1.7564	1.7366	1.7213	1.6736	1.6258	1.5978	1.5778	1.5623	1.5495
1070.0	1.7866	1.7587	1.7390	1.7236	1.6760	1.6282	1.6001	1.5802	1.5647	1.5519
1080.0	1.7889	1.7611	1.7413	1.7260	1.6783	1.6305	1.6025	1.5826	1.5670	1.5543
1090.0	1.7913	1.7634	1.7437	1.7283	1.6807	1.6329	1.6049	1.5849	1.5694	1.5567
1100.0	1.7936	1.7657	1.7460	1.7306	1.6830	1.6352	1.6072	1.5872	1.5717	1.5590
1110.0	1.7959	1.7680	1.7483	1.7329	1.6853	1.6375	1.6095	1.5895	1.5740	1.5613
1120.0	1.7981	1.7703	1.7505	1.7352	1.6876	1.6398	1.6118	1.5918	1.5763	1.5636
1130.0	1.8004	1.7726	1.7528	1.7375	1.6898	1.6421	1.6140	1.5941	1.5786	1.5659
1140.0	1.8026	1.7748	1.7550	1.7397	1.6921	1.6443	1.6163	1.5964	1.5809	1.5682
1150.0	1.8049	1.7770	1.7573	1.7419	1.6943	1.6465	1.6185	1.5986	1.5831	1.5704
1160.0	1.8071	1.7792	1.7595	1.7441	1.6965	1.6488	1.6207	1.6008	1.5853	1.5726
1170.0	1.8093	1.7814	1.7617	1.7463	1.6987	1.6510	1.6229	1.6030	1.5875	1.5749
1180.0	1.8114	1.7836	1.7638	1.7485	1.7009	1.6531	1.6251	1.6052	1.5897	1.5770
1190.0	1.8136	1.7858	1.7660	1.7507	1.7030	1.6553	1.6273	1.6074	1.5919	1.5792
1200.0	1.8157	1.7879	1.7682	1.7528	1.7052	1.6575	1.6295	1.6096	1.5941	1.5814
1210.0	1.8179	1.7900	1.7703	1.7550	1.7073	1.6596	1.6316	1.6117	1.5962	1.5835
1220.0	1.8200	1.7921	1.7724	1.7571	1.7094	1.6617	1.6337	1.6138	1.5983	1.5857
1230.0	1.8221	1.7942	1.7745	1.7592	1.7115	1.6638	1.6358	1.6159	1.6005	1.5878
1240.0	1.8242	1.7963	1.7766	1.7613	1.7136	1.6659	1.6379	1.6180	1.6026	1.5899
1250.0	1.8262	1.7984	1.7786	1.7633	1.7157	1.6680	1.6400	1.6201	1.6046	1.5920
1260.0	1.8283	1.8005	1.7807	1.7654	1.7177	1.6700	1.6421	1.6222	1.6067	1.5940
1270.0	1.8303	1.8025	1.7827	1.7674	1.7198	1.6721	1.6441	1.6242	1.6088	1.5961
1280.0	1.8323	1.8045	1.7848	1.7694	1.7218	1.6741	1.6461	1.6262	1.6108	1.5981
1290.0	1.8344	1.8065	1.7868	1.7715	1.7238	1.6761	1.6482	1.6283	1.6128	1.6002
1300.0	1.8364	1.8085	1.7888	1.7734	1.7258	1.6781	1.6502	1.6303	1.6148	1.6022
1310.0	1.8383	1.8105	1.7908	1.7754	1.7278	1.6801	1.6521	1.6323	1.6168	1.6042
1320.0	1.8403	1.8125	1.7927	1.7774	1.7298	1.6821	1.6541	1.6342	1.6188	1.6062
1330.0	1.8423	1.8144	1.7947	1.7794	1.7317	1.6840	1.6561	1.6362	1.6208	1.6081
1340.0	1.8442	1.8164	1.7966	1.7813	1.7337	1.6860	1.6580	1.6382	1.6227	1.6101
1350.0	1.8461	1.8183	1.7986	1.7832	1.7356	1.6879	1.6600	1.6401	1.6247	1.6120
1360.0	1.8481	1.8202	1.8005	1.7851	1.7375	1.6898	1.6619	1.6420	1.6266	1.6140
1370.0	1.8500	1.8221	1.8024	1.7871	1.7394	1.6917	1.6638	1.6439	1.6285	1.6159
1380.0	1.8518	1.8240	1.8043	1.7889	1.7413	1.6936	1.6657	1.6458	1.6304	1.6178
1390.0	1.8537	1.8259	1.8061	1.7908	1.7432	1.6955	1.6676	1.6477	1.6323	1.6197
1400.0	1.8556	1.8278	1.8080	1.7927	1.7451	1.6974	1.6695	1.6496	1.6342	1.6215
1410.0	1.8575	1.8296	1.8099	1.7945	1.7469	1.6993	1.6713	1.6515	1.6360	1.6234

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TEMPERATURE / PRESSURE (PSIA) DEGREES R	20.000	30.000	40.000	50.000	100.000	200.000	300.000	400.000	500.000	600.000
1420.0	1.8593	1.8315	1.8117	1.7964	1.7488	1.7011	1.6732	1.6533	1.6379	1.6 1
1430.0	1.8611	1.8333	1.8135	1.7982	1.7506	1.7029	1.6750	1.6552	1.6397	1.62.1
1440.0	1.8629	1.8351	1.8154	1.8000	1.7524	1.7048	1.6768	1.6570	1.6416	1.6289
1450.0	1.8648	1.8369	1.8172	1.8019	1.7542	1.7066	1.6786	1.6588	1.6434	1.6308
1460.0	1.8666	1.8387	1.8190	1.8037	1.7561	1.7084	1.6805	1.6606	1.6452	1.6326
1470.0	1.8683	1.8405	1.8208	1.8055	1.7578	1.7102	1.6822	1.6624	1.6470	1.6344
1480.0	1.8701	1.8423	1.8225	1.8072	1.7596	1.7120	1.6840	1.6642	1.6488	1.6362
1490.0	1.8719	1.8441	1.8243	1.8090	1.7614	1.7137	1.6858	1.6660	1.6505	1.6379
1500.0	1.8737	1.8458	1.8261	1.8108	1.7631	1.7155	1.6876	1.6677	1.6523	1.6397
1510.0	1.8754	1.8476	1.8278	1.8125	1.7649	1.7172	1.6893	1.6695	1.6541	1.6415
1520.0	1.8771	1.8493	1.8296	1.8142	1.7666	1.7190	1.6911	1.6712	1.6558	1.6432
1530.0	1.8789	1.8510	1.8313	1.8160	1.7684	1.7207	1.6928	1.6730	1.6576	1.6449
1540.0	1.8806	1.8528	1.8330	1.8177	1.7701	1.7224	1.6945	1.6747	1.6593	1.6467
1550.0	1.8823	1.8545	1.8347	1.8194	1.7718	1.7241	1.6962	1.6764	1.6610	1.6484
1560.0	1.8840	1.8562	1.8364	1.8211	1.7735	1.7259	1.6979	1.6781	1.6627	1.6501
1570.0	1.8857	1.8579	1.8381	1.8228	1.7752	1.7275	1.6996	1.6798	1.6644	1.6518
1580.0	1.8874	1.8595	1.8398	1.8245	1.7769	1.7292	1.7013	1.6815	1.6661	1.6535
1590.0	1.8891	1.8612	1.8415	1.8262	1.7786	1.7309	1.7030	1.6832	1.6678	1.6552
1600.0	1.8907	1.8629	1.8431	1.8278	1.7802	1.7326	1.7047	1.6848	1.6695	1.6569
1610.0	1.8924	1.8645	1.8448	1.8295	1.7819	1.7342	1.7063	1.6865	1.6711	1.6585
1620.0	1.8940	1.8662	1.8465	1.8311	1.7835	1.7359	1.7080	1.6882	1.6728	1.6602
1630.0	1.8957	1.8678	1.8481	1.8328	1.7852	1.7375	1.7096	1.6898	1.6744	1.6618
1640.0	1.8973	1.8695	1.8497	1.8344	1.7868	1.7392	1.7113	1.6915	1.6761	1.6635
1650.0	1.8989	1.8711	1.8514	1.8360	1.7885	1.7408	1.7129	1.6931	1.6777	1.6651
1660.0	1.9006	1.8727	1.8530	1.8377	1.7901	1.7424	1.7145	1.6947	1.6793	1.6667
1670.0	1.9022	1.8743	1.8546	1.8393	1.7917	1.7441	1.7162	1.6963	1.6809	1.6684
1680.0	1.9038	1.8760	1.8562	1.8409	1.7933	1.7457	1.7178	1.6980	1.6826	1.6700
1690.0	1.9054	1.8776	1.8578	1.8425	1.7949	1.7473	1.7194	1.6996	1.6842	1.6716
1700.0	1.9070	1.8792	1.8594	1.8441	1.7965	1.7489	1.7210	1.7012	1.6858	1.6732
1710.0	1.9086	1.8807	1.8610	1.8457	1.7981	1.7505	1.7226	1.7028	1.6874	1.6748
1720.0	1.9102	1.8823	1.8626	1.8473	1.7997	1.7520	1.7242	1.7043	1.6890	1.6764
1730.0	1.9117	1.8839	1.8642	1.8488	1.8013	1.7536	1.7257	1.7059	1.6905	1.6780
1740.0	1.9133	1.8855	1.8657	1.8504	1.8028	1.7552	1.7273	1.7075	1.6921	1.6795
1750.0	1.9149	1.8870	1.8673	1.8520	1.8044	1.7568	1.7289	1.7091	1.6937	1.6811
1760.0	1.9164	1.8886	1.8689	1.8535	1.8060	1.7583	1.7304	1.7106	1.6953	1.6827
1770.0	1.9180	1.8902	1.8704	1.8551	1.8075	1.7599	1.7320	1.7122	1.6968	1.6842
1780.0	1.9195	1.8917	1.8720	1.8567	1.8091	1.7614	1.7336	1.7137	1.6984	1.6858
1790.0	1.9211	1.8933	1.8735	1.8582	1.8106	1.7630	1.7351	1.7153	1.6999	1.6873
1800.0	1.9226	1.8948	1.8751	1.8597	1.8122	1.7645	1.7367	1.7168	1.7015	1.6889

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Table 3. Specific Heat at Constant Pressure of Air for Various Temperatures and Pressures

0.5 to 6.0 psia

SPECIFIC HEAT

TEMPERATURE / PRESSURE(PSIA) DEGREES R	0.500	1.000	1.500	2.000	2.500	3.000	3.500	4.000	5.000	6.000
300.0	0.2396	0.2397	0.2398	0.2398	0.2399	0.2399	0.2400	0.2400	0.2401	0.2403
310.0	0.2396	0.2397	0.2397	0.2398	0.2398	0.2399	0.2399	0.2400	0.2401	0.2402
320.0	0.2396	0.2397	0.2397	0.2398	0.2398	0.2399	0.2399	0.2400	0.2401	0.2402
330.0	0.2396	0.2397	0.2397	0.2398	0.2398	0.2399	0.2399	0.2399	0.2400	0.2401
340.0	0.2396	0.2397	0.2397	0.2398	0.2398	0.2398	0.2399	0.2399	0.2400	0.2401
350.0	0.2396	0.2397	0.2397	0.2398	0.2398	0.2398	0.2399	0.2399	0.2400	0.2400
360.0	0.2396	0.2397	0.2397	0.2397	0.2398	0.2398	0.2398	0.2399	0.2400	0.2400
370.0	0.2396	0.2397	0.2397	0.2397	0.2398	0.2398	0.2398	0.2399	0.2399	0.2400
380.0	0.2396	0.2397	0.2397	0.2397	0.2398	0.2398	0.2398	0.2399	0.2399	0.2400
390.0	0.2396	0.2397	0.2397	0.2397	0.2398	0.2398	0.2398	0.2398	0.2399	0.2400
400.0	0.2397	0.2397	0.2397	0.2397	0.2398	0.2398	0.2398	0.2398	0.2399	0.2399
410.0	0.2397	0.2397	0.2397	0.2397	0.2398	0.2398	0.2398	0.2398	0.2399	0.2399
420.0	0.2397	0.2397	0.2397	0.2397	0.2398	0.2398	0.2398	0.2398	0.2399	0.2399
430.0	0.2397	0.2397	0.2397	0.2397	0.2398	0.2398	0.2398	0.2398	0.2399	0.2399
440.0	0.2397	0.2397	0.2397	0.2398	0.2398	0.2398	0.2398	0.2398	0.2399	0.2399
450.0	0.2397	0.2397	0.2398	0.2398	0.2398	0.2398	0.2399	0.2399	0.2399	0.2399
460.0	0.2397	0.2398	0.2398	0.2398	0.2398	0.2398	0.2399	0.2399	0.2399	0.2399
470.0	0.2398	0.2398	0.2398	0.2398	0.2398	0.2399	0.2399	0.2399	0.2399	0.2400
480.0	0.2398	0.2398	0.2398	0.2399	0.2399	0.2399	0.2399	0.2399	0.2400	0.2400
490.0	0.2398	0.2399	0.2399	0.2399	0.2399	0.2399	0.2399	0.2400	0.2400	0.2400
500.0	0.2399	0.2399	0.2399	0.2399	0.2400	0.2400	0.2400	0.2400	0.2400	0.2401
510.0	0.2399	0.2400	0.2400	0.2400	0.2400	0.2400	0.2400	0.2400	0.2401	0.2401
520.0	0.2400	0.2400	0.2400	0.2400	0.2401	0.2401	0.2401	0.2401	0.2401	0.2402
530.0	0.2401	0.2401	0.2401	0.2401	0.2401	0.2401	0.2402	0.2402	0.2402	0.2402
540.0	0.2401	0.2402	0.2402	0.2402	0.2402	0.2402	0.2402	0.2402	0.2403	0.2403
550.0	0.2402	0.2402	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2404
560.0	0.2403	0.2403	0.2403	0.2404	0.2404	0.2404	0.2404	0.2404	0.2404	0.2405
570.0	0.2404	0.2404	0.2404	0.2405	0.2405	0.2405	0.2405	0.2405	0.2405	0.2405
580.0	0.2405	0.2405	0.2405	0.2405	0.2406	0.2406	0.2406	0.2406	0.2406	0.2406
590.0	0.2406	0.2406	0.2406	0.2406	0.2406	0.2407	0.2407	0.2407	0.2407	0.2407
600.0	0.2407	0.2407	0.2407	0.2407	0.2407	0.2408	0.2408	0.2408	0.2408	0.2408
610.0	0.2408	0.2408	0.2408	0.2408	0.2408	0.2409	0.2409	0.2409	0.2409	0.2409
620.0	0.2409	0.2409	0.2409	0.2409	0.2409	0.2410	0.2410	0.2410	0.2410	0.2410
630.0	0.2410	0.2410	0.2410	0.2410	0.2411	0.2411	0.2411	0.2411	0.2411	0.2411
640.0	0.2411	0.2411	0.2412	0.2412	0.2412	0.2412	0.2412	0.2412	0.2412	0.2412
650.0	0.2413	0.2413	0.2413	0.2413	0.2413	0.2413	0.2413	0.2413	0.2413	0.2413
660.0	0.2414	0.2414	0.2414	0.2414	0.2414	0.2414	0.2414	0.2414	0.2414	0.2415
670.0	0.2415	0.2415	0.2415	0.2415	0.2415	0.2415	0.2415	0.2416	0.2416	0.2416
680.0	0.2416	0.2416	0.2416	0.2417	0.2417	0.2417	0.2417	0.2417	0.2417	0.2417
690.0	0.2418	0.2418	0.2418	0.2418	0.2418	0.2418	0.2418	0.2418	0.2418	0.2419
700.0	0.2419	0.2419	0.2419	0.2419	0.2420	0.2420	0.2420	0.2420	0.2420	0.2420
710.0	0.2421	0.2421	0.2421	0.2421	0.2421	0.2421	0.2421	0.2421	0.2421	0.2422
720.0	0.2422	0.2423	0.2423	0.2423	0.2423	0.2423	0.2423	0.2423	0.2423	0.2423
730.0	0.2424	0.2424	0.2424	0.2424	0.2424	0.2424	0.2425	0.2425	0.2425	0.2425
740.0	0.2425	0.2425	0.2425	0.2426	0.2426	0.2426	0.2426	0.2426	0.2426	0.2427
750.0	0.2428	0.2428	0.2428	0.2428	0.2428	0.2428	0.2428	0.2428	0.2428	0.2428
760.0	0.2430	0.2430	0.2430	0.2430	0.2430	0.2430	0.2430	0.2430	0.2430	0.2430
770.0	0.2431	0.2431	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432
780.0	0.2433	0.2433	0.2433	0.2433	0.2434	0.2434	0.2434	0.2434	0.2434	0.2434
790.0	0.2435	0.2435	0.2435	0.2435	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436
800.0	0.2437	0.2437	0.2437	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438
810.0	0.2439	0.2439	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440
820.0	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442
830.0	0.2444	0.2444	0.2444	0.2444	0.2444	0.2444	0.2444	0.2444	0.2444	0.2444
840.0	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446
850.0	0.2448	0.2448	0.2448	0.2448	0.2448	0.2448	0.2448	0.2449	0.2449	0.2449

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TEMPERATURE / PRESSURE (PSIA) DEGREES R	0.500	1.000	1.500	2.000	2.500	3.000	3.500	4.000	5.000	6.000
860.0	0.2451	0.2451	0.2451	0.2451	0.2451	0.2451	0.2451	0.2451	0.2451	0.2451
870.0	0.2453	0.2453	0.2453	0.2453	0.2453	0.2453	0.2453	0.2453	0.2453	0.2453
880.0	0.2455	0.2455	0.2455	0.2455	0.2455	0.2455	0.2455	0.2456	0.2456	0.2456
890.0	0.2458	0.2458	0.2458	0.2458	0.2458	0.2458	0.2458	0.2458	0.2458	0.2458
900.0	0.2460	0.2460	0.2460	0.2460	0.2460	0.2460	0.2460	0.2461	0.2461	0.2461
910.0	0.2463	0.2463	0.2463	0.2463	0.2463	0.2463	0.2463	0.2463	0.2463	0.2463
920.0	0.2466	0.2466	0.2466	0.2466	0.2466	0.2466	0.2466	0.2466	0.2466	0.2466
930.0	0.2469	0.2469	0.2469	0.2469	0.2469	0.2469	0.2469	0.2469	0.2469	0.2469
940.0	0.2471	0.2471	0.2471	0.2471	0.2471	0.2471	0.2472	0.2472	0.2472	0.2472
950.0	0.2474	0.2474	0.2474	0.2474	0.2474	0.2474	0.2474	0.2474	0.2474	0.2475
960.0	0.2477	0.2477	0.2477	0.2477	0.2477	0.2477	0.2477	0.2477	0.2477	0.2477
970.0	0.2480	0.2480	0.2480	0.2480	0.2480	0.2480	0.2480	0.2480	0.2480	0.2480
980.0	0.2483	0.2483	0.2483	0.2483	0.2483	0.2483	0.2483	0.2483	0.2483	0.2483
990.0	0.2486	0.2486	0.2486	0.2486	0.2486	0.2486	0.2486	0.2486	0.2486	0.2486
1000.0	0.2489	0.2489	0.2489	0.2489	0.2489	0.2489	0.2489	0.2489	0.2489	0.2489
1010.0	0.2491	0.2491	0.2491	0.2492	0.2492	0.2492	0.2492	0.2492	0.2492	0.2492
1020.0	0.2494	0.2494	0.2494	0.2494	0.2494	0.2495	0.2495	0.2495	0.2495	0.2495
1030.0	0.2497	0.2497	0.2497	0.2497	0.2497	0.2497	0.2498	0.2498	0.2498	0.2498
1040.0	0.2500	0.2500	0.2500	0.2500	0.2500	0.2500	0.2500	0.2501	0.2501	0.2501
1050.0	0.2503	0.2503	0.2503	0.2503	0.2503	0.2503	0.2503	0.2503	0.2504	0.2504
1060.0	0.2506	0.2506	0.2506	0.2506	0.2506	0.2506	0.2506	0.2506	0.2507	0.2507
1070.0	0.2509	0.2509	0.2509	0.2509	0.2509	0.2509	0.2509	0.2510	0.2510	0.2510
1080.0	0.2512	0.2512	0.2512	0.2512	0.2512	0.2512	0.2513	0.2513	0.2513	0.2513
1090.0	0.2515	0.2515	0.2515	0.2515	0.2516	0.2516	0.2516	0.2516	0.2516	0.2516
1100.0	0.2518	0.2519	0.2519	0.2519	0.2519	0.2519	0.2519	0.2519	0.2519	0.2519
1110.0	0.2522	0.2522	0.2522	0.2522	0.2522	0.2522	0.2522	0.2522	0.2522	0.2522
1120.0	0.2525	0.2525	0.2525	0.2525	0.2525	0.2525	0.2525	0.2525	0.2525	0.2525
1130.0	0.2528	0.2528	0.2528	0.2528	0.2528	0.2528	0.2528	0.2528	0.2528	0.2528
1140.0	0.2531	0.2531	0.2531	0.2531	0.2531	0.2531	0.2531	0.2531	0.2531	0.2531
1150.0	0.2534	0.2534	0.2534	0.2534	0.2534	0.2534	0.2534	0.2534	0.2534	0.2534
1160.0	0.2537	0.2537	0.2537	0.2537	0.2537	0.2537	0.2537	0.2537	0.2537	0.2537
1170.0	0.2540	0.2540	0.2540	0.2540	0.2540	0.2540	0.2540	0.2540	0.2540	0.2540
1180.0	0.2543	0.2543	0.2543	0.2543	0.2543	0.2543	0.2543	0.2543	0.2544	0.2544
1190.0	0.2546	0.2546	0.2547	0.2547	0.2547	0.2547	0.2547	0.2547	0.2547	0.2547
1200.0	0.2550	0.2550	0.2550	0.2550	0.2550	0.2550	0.2550	0.2550	0.2550	0.2550
1210.0	0.2553	0.2553	0.2553	0.2553	0.2553	0.2553	0.2553	0.2553	0.2553	0.2553
1220.0	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556
1230.0	0.2559	0.2559	0.2559	0.2559	0.2559	0.2559	0.2559	0.2559	0.2559	0.2559
1240.0	0.2562	0.2562	0.2562	0.2562	0.2562	0.2562	0.2562	0.2562	0.2562	0.2562
1250.0	0.2565	0.2565	0.2565	0.2565	0.2566	0.2566	0.2566	0.2566	0.2566	0.2566
1260.0	0.2569	0.2569	0.2569	0.2569	0.2569	0.2569	0.2569	0.2569	0.2569	0.2569
1270.0	0.2572	0.2572	0.2572	0.2572	0.2572	0.2572	0.2572	0.2572	0.2572	0.2572
1280.0	0.2575	0.2575	0.2575	0.2575	0.2575	0.2575	0.2575	0.2575	0.2575	0.2575
1290.0	0.2578	0.2578	0.2578	0.2578	0.2578	0.2578	0.2578	0.2578	0.2578	0.2578
1300.0	0.2581	0.2581	0.2581	0.2581	0.2581	0.2581	0.2581	0.2581	0.2581	0.2582
1310.0	0.2585	0.2585	0.2585	0.2585	0.2585	0.2585	0.2585	0.2585	0.2585	0.2585
1320.0	0.2588	0.2588	0.2588	0.2588	0.2588	0.2588	0.2588	0.2588	0.2588	0.2588
1330.0	0.2591	0.2591	0.2591	0.2591	0.2591	0.2591	0.2591	0.2591	0.2591	0.2591
1340.0	0.2594	0.2594	0.2594	0.2594	0.2594	0.2594	0.2594	0.2594	0.2594	0.2594
1350.0	0.2597	0.2597	0.2597	0.2597	0.2597	0.2597	0.2597	0.2597	0.2597	0.2597
1360.0	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600	0.2601	0.2601
1370.0	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604
1380.0	0.2607	0.2607	0.2607	0.2607	0.2607	0.2607	0.2607	0.2607	0.2607	0.2607
1390.0	0.2610	0.2610	0.2610	0.2610	0.2610	0.2610	0.2610	0.2610	0.2610	0.2610
1400.0	0.2613	0.2613	0.2613	0.2613	0.2613	0.2613	0.2613	0.2613	0.2613	0.2613
1410.0	0.2616	0.2616	0.2616	0.2616	0.2616	0.2616	0.2616	0.2616	0.2616	0.2616

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SPECIFIC HEAT

TEMPERATURE / PRESSURE (PSIA) DEGREES R	0.500	1.000	1.500	2.000	2.500	3.000	3.500	4.000	5.000	6.000
1420.0	0.2619	0.2619	0.2619	0.2619	0.2619	0.2619	0.2619	0.2619	0.2619	0.2619
1430.0	0.2622	0.2622	0.2622	0.2622	0.2622	0.2622	0.2622	0.2622	0.2623	0.2623
1440.0	0.2626	0.2626	0.2626	0.2626	0.2626	0.2626	0.2626	0.2626	0.2626	0.2626
1450.0	0.2629	0.2629	0.2629	0.2629	0.2629	0.2629	0.2629	0.2629	0.2629	0.2629
1460.0	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632
1470.0	0.2635	0.2635	0.2635	0.2635	0.2635	0.2635	0.2635	0.2635	0.2635	0.2635
1480.0	0.2638	0.2638	0.2638	0.2638	0.2638	0.2638	0.2638	0.2638	0.2638	0.2638
1490.0	0.2641	0.2641	0.2641	0.2641	0.2641	0.2641	0.2641	0.2641	0.2641	0.2641
1500.0	0.2644	0.2644	0.2644	0.2644	0.2644	0.2644	0.2644	0.2644	0.2644	0.2644
1510.0	0.2647	0.2647	0.2647	0.2647	0.2647	0.2647	0.2647	0.2647	0.2647	0.2647
1520.0	0.2650	0.2650	0.2650	0.2650	0.2650	0.2650	0.2650	0.2650	0.2650	0.2650
1530.0	0.2653	0.2653	0.2653	0.2653	0.2653	0.2653	0.2653	0.2653	0.2653	0.2653
1540.0	0.2656	0.2656	0.2656	0.2656	0.2656	0.2656	0.2656	0.2656	0.2656	0.2656
1550.0	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659
1560.0	0.2662	0.2662	0.2662	0.2662	0.2662	0.2662	0.2662	0.2662	0.2662	0.2662
1570.0	0.2665	0.2665	0.2665	0.2665	0.2665	0.2665	0.2665	0.2665	0.2665	0.2665
1580.0	0.2668	0.2668	0.2668	0.2668	0.2668	0.2668	0.2668	0.2668	0.2668	0.2668
1590.0	0.2671	0.2671	0.2671	0.2671	0.2671	0.2671	0.2671	0.2671	0.2671	0.2671
1600.0	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674
1610.0	0.2677	0.2677	0.2677	0.2677	0.2677	0.2677	0.2677	0.2677	0.2677	0.2677
1620.0	0.2679	0.2679	0.2680	0.2680	0.2680	0.2680	0.2680	0.2680	0.2680	0.2680
1630.0	0.2682	0.2682	0.2682	0.2682	0.2682	0.2682	0.2682	0.2682	0.2682	0.2682
1640.0	0.2685	0.2685	0.2685	0.2685	0.2685	0.2685	0.2685	0.2685	0.2685	0.2685
1650.0	0.2688	0.2688	0.2688	0.2688	0.2688	0.2688	0.2688	0.2688	0.2688	0.2688
1660.0	0.2691	0.2691	0.2691	0.2691	0.2691	0.2691	0.2691	0.2691	0.2691	0.2691
1670.0	0.2693	0.2694	0.2694	0.2694	0.2694	0.2694	0.2694	0.2694	0.2694	0.2694
1680.0	0.2696	0.2696	0.2696	0.2696	0.2696	0.2696	0.2696	0.2696	0.2696	0.2696
1690.0	0.2699	0.2699	0.2699	0.2699	0.2699	0.2699	0.2699	0.2699	0.2699	0.2699
1700.0	0.2702	0.2702	0.2702	0.2702	0.2702	0.2702	0.2702	0.2702	0.2702	0.2702
1710.0	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704	0.2704
1720.0	0.2707	0.2707	0.2707	0.2707	0.2707	0.2707	0.2707	0.2707	0.2707	0.2707
1730.0	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710
1740.0	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712
1750.0	0.2715	0.2715	0.2715	0.2715	0.2715	0.2715	0.2715	0.2715	0.2715	0.2715
1760.0	0.2717	0.2717	0.2717	0.2717	0.2717	0.2717	0.2717	0.2717	0.2717	0.2717
1770.0	0.2720	0.2720	0.2720	0.2720	0.2720	0.2720	0.2720	0.2720	0.2720	0.2720
1780.0	0.2722	0.2722	0.2722	0.2722	0.2722	0.2722	0.2722	0.2722	0.2722	0.2722
1790.0	0.2725	0.2725	0.2725	0.2725	0.2725	0.2725	0.2725	0.2725	0.2725	0.2725
1800.0	0.2727	0.2727	0.2727	0.2727	0.2727	0.2727	0.2727	0.2727	0.2727	0.2727

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Table 3. Continued

7.0 to 15.0 psia	[redacted]

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SPECIFIC HEAT

TEMPERATURE / PRESSURE (PSIA) DEGREES R	7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	14.696	15.000
300.0	0.2404	0.2405	0.2406	0.2407	0.2408	0.2409	0.2410	0.2411	0.2412	0.2413
310.0	0.2403	0.2404	0.2405	0.2406	0.2407	0.2408	0.2409	0.2410	0.2411	0.2411
320.0	0.2403	0.2403	0.2404	0.2405	0.2406	0.2407	0.2408	0.2409	0.2410	0.2410
330.0	0.2402	0.2403	0.2404	0.2405	0.2406	0.2406	0.2407	0.2408	0.2409	0.2409
340.0	0.2402	0.2402	0.2403	0.2404	0.2405	0.2406	0.2407	0.2407	0.2408	0.2408
350.0	0.2401	0.2402	0.2403	0.2404	0.2405	0.2406	0.2406	0.2407	0.2407	0.2407
360.0	0.2401	0.2402	0.2402	0.2403	0.2404	0.2405	0.2405	0.2406	0.2406	0.2406
370.0	0.2401	0.2401	0.2402	0.2403	0.2404	0.2405	0.2405	0.2405	0.2406	0.2406
380.0	0.2400	0.2401	0.2402	0.2402	0.2403	0.2404	0.2404	0.2405	0.2405	0.2405
390.0	0.2400	0.2401	0.2402	0.2402	0.2403	0.2404	0.2404	0.2405	0.2405	0.2405
400.0	0.2400	0.2401	0.2402	0.2402	0.2403	0.2404	0.2404	0.2404	0.2404	0.2404
410.0	0.2400	0.2400	0.2401	0.2402	0.2402	0.2402	0.2403	0.2403	0.2404	0.2404
420.0	0.2400	0.2400	0.2401	0.2402	0.2402	0.2402	0.2403	0.2403	0.2403	0.2404
430.0	0.2400	0.2400	0.2401	0.2401	0.2402	0.2402	0.2402	0.2403	0.2403	0.2403
440.0	0.2400	0.2400	0.2401	0.2401	0.2402	0.2402	0.2402	0.2403	0.2403	0.2403
450.0	0.2400	0.2400	0.2401	0.2401	0.2401	0.2402	0.2402	0.2403	0.2403	0.2403
460.0	0.2400	0.2400	0.2401	0.2401	0.2401	0.2402	0.2402	0.2403	0.2403	0.2403
470.0	0.2400	0.2400	0.2401	0.2401	0.2402	0.2402	0.2402	0.2403	0.2403	0.2403
480.0	0.2400	0.2401	0.2401	0.2401	0.2402	0.2402	0.2402	0.2403	0.2403	0.2403
490.0	0.2401	0.2401	0.2401	0.2402	0.2402	0.2402	0.2403	0.2403	0.2403	0.2403
500.0	0.2401	0.2401	0.2402	0.2402	0.2402	0.2402	0.2403	0.2403	0.2403	0.2403
510.0	0.2401	0.2402	0.2402	0.2402	0.2402	0.2403	0.2403	0.2403	0.2404	0.2404
520.0	0.2402	0.2402	0.2403	0.2403	0.2403	0.2403	0.2404	0.2404	0.2404	0.2404
530.0	0.2402	0.2403	0.2403	0.2404	0.2404	0.2404	0.2404	0.2404	0.2405	0.2405
540.0	0.2403	0.2403	0.2404	0.2404	0.2404	0.2404	0.2405	0.2405	0.2405	0.2405
550.0	0.2404	0.2404	0.2404	0.2405	0.2405	0.2405	0.2405	0.2406	0.2406	0.2406
560.0	0.2405	0.2405	0.2405	0.2405	0.2406	0.2406	0.2406	0.2406	0.2406	0.2406
570.0	0.2406	0.2406	0.2406	0.2406	0.2407	0.2407	0.2407	0.2407	0.2407	0.2407
580.0	0.2407	0.2407	0.2407	0.2407	0.2407	0.2408	0.2408	0.2408	0.2408	0.2408
590.0	0.2407	0.2408	0.2408	0.2408	0.2408	0.2408	0.2409	0.2409	0.2409	0.2409
600.0	0.2408	0.2409	0.2409	0.2409	0.2409	0.2409	0.2410	0.2410	0.2410	0.2410
610.0	0.2409	0.2409	0.2410	0.2410	0.2410	0.2410	0.2410	0.2411	0.2411	0.2411
620.0	0.2410	0.2410	0.2411	0.2411	0.2411	0.2411	0.2411	0.2412	0.2412	0.2412
630.0	0.2411	0.2412	0.2412	0.2412	0.2412	0.2412	0.2412	0.2413	0.2413	0.2413
640.0	0.2412	0.2413	0.2413	0.2413	0.2413	0.2413	0.2413	0.2414	0.2414	0.2414
650.0	0.2414	0.2414	0.2414	0.2414	0.2414	0.2414	0.2415	0.2415	0.2415	0.2415
660.0	0.2415	0.2415	0.2415	0.2415	0.2415	0.2416	0.2416	0.2416	0.2416	0.2416
670.0	0.2416	0.2416	0.2416	0.2416	0.2417	0.2417	0.2417	0.2417	0.2417	0.2417
680.0	0.2417	0.2418	0.2418	0.2418	0.2418	0.2418	0.2418	0.2418	0.2418	0.2419
690.0	0.2419	0.2419	0.2419	0.2419	0.2419	0.2419	0.2420	0.2420	0.2420	0.2420
700.0	0.2420	0.2420	0.2421	0.2421	0.2421	0.2421	0.2421	0.2421	0.2421	0.2421
710.0	0.2422	0.2422	0.2422	0.2422	0.2422	0.2422	0.2423	0.2423	0.2423	0.2423
720.0	0.2423	0.2423	0.2424	0.2424	0.2424	0.2424	0.2424	0.2424	0.2424	0.2424
730.0	0.2425	0.2425	0.2425	0.2425	0.2425	0.2426	0.2426	0.2426	0.2426	0.2426
740.0	0.2427	0.2427	0.2427	0.2427	0.2427	0.2427	0.2427	0.2428	0.2428	0.2428
750.0	0.2428	0.2429	0.2429	0.2429	0.2429	0.2429	0.2429	0.2429	0.2429	0.2429
760.0	0.2430	0.2430	0.2430	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431
770.0	0.2432	0.2432	0.2432	0.2432	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433
780.0	0.2434	0.2434	0.2434	0.2434	0.2434	0.2435	0.2435	0.2435	0.2435	0.2435
790.0	0.2436	0.2436	0.2436	0.2436	0.2436	0.2437	0.2437	0.2437	0.2437	0.2437
800.0	0.2438	0.2438	0.2438	0.2438	0.2438	0.2439	0.2439	0.2439	0.2439	0.2439
810.0	0.2440	0.2440	0.2440	0.2440	0.2440	0.2441	0.2441	0.2441	0.2441	0.2441
820.0	0.2442	0.2442	0.2442	0.2442	0.2443	0.2443	0.2443	0.2443	0.2443	0.2443
830.0	0.2444	0.2444	0.2445	0.2445	0.2445	0.2445	0.2445	0.2445	0.2445	0.2445
840.0	0.2447	0.2447	0.2447	0.2447	0.2447	0.2447	0.2447	0.2447	0.2447	0.2447
850.0	0.2449	0.2449	0.2449	0.2449	0.2449	0.2449	0.2449	0.2449	0.2449	0.2450

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SPECIFIC HEAT

TEMPERATURE / PRESSURE (PSIA) DEGREES R	7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	14.696	15.000
860.0	0.2451	0.2451	0.2451	0.2451	0.2451	0.2452	0.2452	0.2452	0.2452	0.2452
870.0	0.2453	0.2454	0.2454	0.2454	0.2454	0.2454	0.2454	0.2454	0.2454	0.2454
880.0	0.2456	0.2456	0.2456	0.2456	0.2456	0.2456	0.2456	0.2456	0.2456	0.2456
890.0	0.2458	0.2458	0.2458	0.2458	0.2459	0.2459	0.2459	0.2459	0.2459	0.2459
900.0	0.2461	0.2461	0.2461	0.2461	0.2461	0.2461	0.2461	0.2461	0.2461	0.2461
910.0	0.2464	0.2464	0.2464	0.2464	0.2464	0.2464	0.2464	0.2464	0.2464	0.2464
920.0	0.2466	0.2466	0.2466	0.2466	0.2467	0.2467	0.2467	0.2467	0.2467	0.2467
930.0	0.2469	0.2469	0.2469	0.2469	0.2469	0.2469	0.2469	0.2470	0.2470	0.2470
940.0	0.2472	0.2472	0.2472	0.2472	0.2472	0.2472	0.2472	0.2472	0.2472	0.2472
950.0	0.2475	0.2475	0.2475	0.2475	0.2475	0.2475	0.2475	0.2475	0.2475	0.2475
960.0	0.2477	0.2477	0.2478	0.2478	0.2478	0.2478	0.2478	0.2478	0.2478	0.2478
970.0	0.2480	0.2480	0.2480	0.2480	0.2481	0.2481	0.2481	0.2481	0.2481	0.2481
980.0	0.2483	0.2483	0.2483	0.2483	0.2483	0.2483	0.2483	0.2484	0.2484	0.2484
990.0	0.2486	0.2486	0.2486	0.2486	0.2486	0.2486	0.2486	0.2486	0.2486	0.2486
1000.0	0.2489	0.2489	0.2489	0.2489	0.2489	0.2489	0.2489	0.2489	0.2489	0.2489
1010.0	0.2492	0.2492	0.2492	0.2492	0.2492	0.2492	0.2492	0.2492	0.2492	0.2492
1020.0	0.2495	0.2495	0.2495	0.2495	0.2495	0.2495	0.2495	0.2495	0.2495	0.2495
1030.0	0.2498	0.2498	0.2498	0.2498	0.2498	0.2498	0.2498	0.2498	0.2498	0.2498
1040.0	0.2501	0.2501	0.2501	0.2501	0.2501	0.2501	0.2501	0.2501	0.2501	0.2501
1050.0	0.2504	0.2504	0.2504	0.2504	0.2504	0.2504	0.2504	0.2504	0.2504	0.2504
1060.0	0.2507	0.2507	0.2507	0.2507	0.2507	0.2507	0.2507	0.2507	0.2507	0.2507
1070.0	0.2510	0.2510	0.2510	0.2510	0.2510	0.2510	0.2510	0.2510	0.2510	0.2510
1080.0	0.2513	0.2513	0.2513	0.2513	0.2513	0.2513	0.2513	0.2513	0.2513	0.2513
1090.0	0.2516	0.2516	0.2516	0.2516	0.2516	0.2516	0.2516	0.2516	0.2516	0.2516
1100.0	0.2519	0.2519	0.2519	0.2519	0.2519	0.2519	0.2519	0.2519	0.2519	0.2519
1110.0	0.2522	0.2522	0.2522	0.2522	0.2522	0.2522	0.2522	0.2522	0.2522	0.2522
1120.0	0.2525	0.2525	0.2525	0.2525	0.2525	0.2525	0.2525	0.2525	0.2525	0.2525
1130.0	0.2528	0.2528	0.2528	0.2528	0.2528	0.2528	0.2528	0.2528	0.2528	0.2528
1140.0	0.2531	0.2531	0.2531	0.2531	0.2531	0.2531	0.2531	0.2531	0.2531	0.2531
1150.0	0.2534	0.2534	0.2534	0.2534	0.2534	0.2534	0.2535	0.2535	0.2535	0.2535
1160.0	0.2537	0.2537	0.2537	0.2537	0.2538	0.2538	0.2538	0.2538	0.2538	0.2538
1170.0	0.2540	0.2541	0.2541	0.2541	0.2541	0.2541	0.2541	0.2541	0.2541	0.2541
1180.0	0.2544	0.2544	0.2544	0.2544	0.2544	0.2544	0.2544	0.2544	0.2544	0.2544
1190.0	0.2547	0.2547	0.2547	0.2547	0.2547	0.2547	0.2547	0.2547	0.2547	0.2547
1200.0	0.2550	0.2550	0.2550	0.2550	0.2550	0.2550	0.2550	0.2550	0.2550	0.2550
1210.0	0.2553	0.2553	0.2553	0.2553	0.2553	0.2553	0.2553	0.2553	0.2553	0.2553
1220.0	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556	0.2557
1230.0	0.2559	0.2559	0.2559	0.2559	0.2560	0.2560	0.2560	0.2560	0.2560	0.2560
1240.0	0.2563	0.2563	0.2563	0.2563	0.2563	0.2563	0.2563	0.2563	0.2563	0.2563
1250.0	0.2566	0.2566	0.2566	0.2566	0.2566	0.2566	0.2566	0.2566	0.2566	0.2566
1260.0	0.2569	0.2569	0.2569	0.2569	0.2569	0.2569	0.2569	0.2569	0.2569	0.2569
1270.0	0.2572	0.2572	0.2572	0.2572	0.2572	0.2572	0.2572	0.2572	0.2572	0.2572
1280.0	0.2575	0.2575	0.2575	0.2575	0.2575	0.2575	0.2575	0.2575	0.2575	0.2575
1290.0	0.2578	0.2578	0.2578	0.2578	0.2579	0.2579	0.2579	0.2579	0.2579	0.2579
1300.0	0.2582	0.2582	0.2582	0.2582	0.2582	0.2582	0.2582	0.2582	0.2582	0.2582
1310.0	0.2585	0.2585	0.2585	0.2585	0.2585	0.2585	0.2585	0.2585	0.2585	0.2585
1320.0	0.2588	0.2588	0.2588	0.2588	0.2588	0.2588	0.2588	0.2588	0.2588	0.2588
1330.0	0.2591	0.2591	0.2591	0.2591	0.2591	0.2591	0.2591	0.2591	0.2591	0.2591
1340.0	0.2594	0.2594	0.2594	0.2594	0.2594	0.2594	0.2594	0.2594	0.2594	0.2594
1350.0	0.2597	0.2597	0.2597	0.2598	0.2598	0.2598	0.2598	0.2598	0.2598	0.2598
1360.0	0.2601	0.2601	0.2601	0.2601	0.2601	0.2601	0.2601	0.2601	0.2601	0.2601
1370.0	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604
1380.0	0.2607	0.2607	0.2607	0.2607	0.2607	0.2607	0.2607	0.2607	0.2607	0.2607
1390.0	0.2610	0.2610	0.2610	0.2610	0.2610	0.2610	0.2610	0.2610	0.2610	0.2610
1400.0	0.2613	0.2613	0.2613	0.2613	0.2613	0.2613	0.2613	0.2613	0.2613	0.2613
1410.0	0.2616	0.2616	0.2616	0.2616	0.2616	0.2616	0.2616	0.2617	0.2617	0.2617

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SPECIFIC HEAT

TEMPERATURE / PRESSURE (PSIA) DEGREES R	7.000	8.000	9.000	10.000	11.000	12.000	13.000	14.000	14.696	15.000
1420.0	0.2619	0.2619	0.2620	0.2620	0.2620	0.2620	0.2620	0.2620	0.2620	0.2620
1430.0	0.2623	0.2623	0.2623	0.2623	0.2623	0.2623	0.2623	0.2623	0.2623	0.2623
1440.0	0.2626	0.2626	0.2626	0.2626	0.2626	0.2626	0.2626	0.2626	0.2626	0.2626
1450.0	0.2629	0.2629	0.2629	0.2629	0.2629	0.2629	0.2629	0.2629	0.2629	0.2629
1460.0	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632
1470.0	0.2635	0.2635	0.2635	0.2635	0.2635	0.2635	0.2635	0.2635	0.2635	0.2635
1480.0	0.2638	0.2638	0.2638	0.2638	0.2638	0.2638	0.2638	0.2638	0.2638	0.2638
1490.0	0.2641	0.2641	0.2641	0.2641	0.2641	0.2641	0.2641	0.2641	0.2641	0.2641
1500.0	0.2644	0.2644	0.2644	0.2644	0.2644	0.2644	0.2644	0.2644	0.2644	0.2644
1510.0	0.2647	0.2647	0.2647	0.2647	0.2647	0.2647	0.2647	0.2647	0.2647	0.2647
1520.0	0.2650	0.2650	0.2650	0.2650	0.2650	0.2650	0.2650	0.2650	0.2650	0.2650
1530.0	0.2653	0.2653	0.2653	0.2653	0.2653	0.2653	0.2653	0.2653	0.2653	0.2653
1540.0	0.2656	0.2656	0.2656	0.2656	0.2656	0.2656	0.2656	0.2656	0.2656	0.2656
1550.0	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659
1560.0	0.2662	0.2662	0.2662	0.2662	0.2662	0.2662	0.2662	0.2662	0.2662	0.2662
1570.0	0.2665	0.2665	0.2665	0.2665	0.2665	0.2665	0.2665	0.2665	0.2665	0.2665
1580.0	0.2668	0.2668	0.2668	0.2668	0.2668	0.2668	0.2668	0.2668	0.2668	0.2668
1590.0	0.2671	0.2671	0.2671	0.2671	0.2671	0.2671	0.2671	0.2671	0.2671	0.2671
1600.0	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674
1610.0	0.2677	0.2677	0.2677	0.2677	0.2677	0.2677	0.2677	0.2677	0.2677	0.2677
1620.0	0.2680	0.2680	0.2680	0.2680	0.2680	0.2680	0.2680	0.2680	0.2680	0.2680
1630.0	0.2682	0.2682	0.2683	0.2683	0.2683	0.2683	0.2683	0.2683	0.2683	0.2683
1640.0	0.2685	0.2685	0.2685	0.2685	0.2685	0.2685	0.2685	0.2685	0.2685	0.2685
1650.0	0.2688	0.2688	0.2688	0.2688	0.2688	0.2688	0.2688	0.2688	0.2688	0.2688
1660.0	0.2691	0.2691	0.2691	0.2691	0.2691	0.2691	0.2691	0.2691	0.2691	0.2691
1670.0	0.2694	0.2694	0.2694	0.2694	0.2694	0.2694	0.2694	0.2694	0.2694	0.2694
1680.0	0.2696	0.2696	0.2696	0.2696	0.2696	0.2696	0.2696	0.2696	0.2697	0.2697
1690.0	0.2699	0.2699	0.2699	0.2699	0.2699	0.2699	0.2699	0.2699	0.2699	0.2699
1700.0	0.2702	0.2702	0.2702	0.2702	0.2702	0.2702	0.2702	0.2702	0.2702	0.2702
1710.0	0.2704	0.2704	0.2704	0.2704	0.2704	0.2705	0.2705	0.2705	0.2705	0.2705
1720.0	0.2707	0.2707	0.2707	0.2707	0.2707	0.2707	0.2707	0.2707	0.2707	0.2707
1730.0	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710
1740.0	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712
1750.0	0.2715	0.2715	0.2715	0.2715	0.2715	0.2715	0.2715	0.2715	0.2715	0.2715
1760.0	0.2717	0.2717	0.2717	0.2717	0.2717	0.2717	0.2717	0.2717	0.2717	0.2717
1770.0	0.2720	0.2720	0.2720	0.2720	0.2720	0.2720	0.2720	0.2720	0.2720	0.2720
1780.0	0.2722	0.2722	0.2722	0.2722	0.2722	0.2722	0.2722	0.2722	0.2722	0.2722
1790.0	0.2725	0.2725	0.2725	0.2725	0.2725	0.2725	0.2725	0.2725	0.2725	0.2725
1800.0	0.2727	0.2727	0.2727	0.2727	0.2727	0.2727	0.2727	0.2727	0.2727	0.2727

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Table 3. Concluded

20.0 to 600.0 psia [redacted]

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SPECIFIC HEAT

TEMPERATURE / PRESSURE (PSIA) DEGREES R	20.000	40.000	50.000	100.000	200.000	300.000	400.000	500.000	600.000
300.0	0.2418	0.2441	0.2452	0.2507	0.2586	0.2634	0.2666	0.2691	0.3127
310.0	0.2414	0.2427	0.2448	0.2500	0.2610	0.2726	0.2748	0.2978	0.3119
320.0	0.2415	0.2422	0.2444	0.2492	0.2595	0.2705	0.2821	0.2944	0.3082
330.0	0.2413	0.2431	0.2440	0.2485	0.2581	0.2683	0.2792	0.2909	0.3035
340.0	0.2412	0.2429	0.2437	0.2479	0.2568	0.2662	0.2763	0.2871	0.2987
350.0	0.2411	0.2426	0.2434	0.2473	0.2555	0.2642	0.2736	0.2835	0.2941
360.0	0.2410	0.2424	0.2431	0.2468	0.2542	0.2625	0.2711	0.2802	0.2899
370.0	0.2409	0.2422	0.2429	0.2463	0.2533	0.2608	0.2688	0.2772	0.2860
380.0	0.2408	0.2419	0.2427	0.2459	0.2524	0.2594	0.2667	0.2744	0.2825
390.0	0.2404	0.2419	0.2425	0.2454	0.2515	0.2580	0.2648	0.2719	0.2794
400.0	0.2407	0.2418	0.2423	0.2451	0.2508	0.2568	0.2631	0.2697	0.2766
410.0	0.2406	0.2417	0.2422	0.2448	0.2501	0.2556	0.2616	0.2677	0.2741
420.0	0.2406	0.2416	0.2420	0.2445	0.2495	0.2547	0.2602	0.2659	0.2718
430.0	0.2405	0.2415	0.2419	0.2442	0.2489	0.2538	0.2589	0.2642	0.2697
440.0	0.2405	0.2414	0.2418	0.2440	0.2484	0.2530	0.2577	0.2628	0.2679
450.0	0.2405	0.2413	0.2417	0.2437	0.2479	0.2523	0.2567	0.2614	0.2662
460.0	0.2405	0.2412	0.2416	0.2436	0.2475	0.2516	0.2558	0.2602	0.2646
470.0	0.2405	0.2412	0.2416	0.2434	0.2471	0.2510	0.2549	0.2590	0.2633
480.0	0.2405	0.2412	0.2415	0.2432	0.2468	0.2504	0.2542	0.2580	0.2620
490.0	0.2404	0.2411	0.2415	0.2431	0.2465	0.2499	0.2535	0.2571	0.2607
500.0	0.2405	0.2411	0.2414	0.2430	0.2462	0.2495	0.2528	0.2562	0.2597
510.0	0.2404	0.2411	0.2414	0.2429	0.2459	0.2491	0.2522	0.2555	0.2588
520.0	0.2405	0.2411	0.2414	0.2428	0.2457	0.2487	0.2517	0.2548	0.2579
530.0	0.2404	0.2411	0.2414	0.2428	0.2455	0.2484	0.2512	0.2542	0.2571
540.0	0.2405	0.2412	0.2414	0.2427	0.2454	0.2481	0.2508	0.2536	0.2564
550.0	0.2407	0.2412	0.2415	0.2427	0.2452	0.2478	0.2504	0.2531	0.2558
560.0	0.2408	0.2413	0.2415	0.2427	0.2451	0.2476	0.2501	0.2526	0.2552
570.0	0.2409	0.2411	0.2415	0.2427	0.2450	0.2473	0.2497	0.2522	0.2547
580.0	0.2409	0.2411	0.2414	0.2427	0.2449	0.2472	0.2495	0.2518	0.2542
590.0	0.2410	0.2414	0.2416	0.2427	0.2448	0.2470	0.2492	0.2514	0.2537
600.0	0.2411	0.2413	0.2415	0.2427	0.2447	0.2468	0.2489	0.2511	0.2533
610.0	0.2412	0.2414	0.2418	0.2427	0.2447	0.2467	0.2487	0.2508	0.2529
620.0	0.2413	0.2416	0.2418	0.2428	0.2447	0.2466	0.2485	0.2505	0.2525
630.0	0.2414	0.2417	0.2419	0.2428	0.2446	0.2465	0.2484	0.2503	0.2522
640.0	0.2415	0.2418	0.2420	0.2429	0.2446	0.2464	0.2482	0.2500	0.2519
650.0	0.2416	0.2419	0.2421	0.2429	0.2446	0.2463	0.2481	0.2498	0.2516
660.0	0.2417	0.2420	0.2422	0.2430	0.2446	0.2463	0.2480	0.2497	0.2514
670.0	0.2418	0.2421	0.2423	0.2430	0.2446	0.2462	0.2479	0.2495	0.2512
680.0	0.2419	0.2422	0.2424	0.2431	0.2447	0.2462	0.2478	0.2494	0.2510
690.0	0.2421	0.2423	0.2425	0.2432	0.2447	0.2462	0.2477	0.2493	0.2508
700.0	0.2422	0.2423	0.2426	0.2433	0.2447	0.2462	0.2477	0.2492	0.2507
710.0	0.2423	0.2425	0.2427	0.2434	0.2448	0.2462	0.2476	0.2491	0.2506
720.0	0.2425	0.2426	0.2428	0.2435	0.2448	0.2462	0.2476	0.2490	0.2505
730.0	0.2427	0.2428	0.2429	0.2436	0.2449	0.2463	0.2476	0.2490	0.2504
740.0	0.2428	0.2429	0.2431	0.2437	0.2450	0.2463	0.2476	0.2490	0.2504
750.0	0.2430	0.2431	0.2432	0.2438	0.2451	0.2464	0.2476	0.2489	0.2503
760.0	0.2432	0.2433	0.2434	0.2440	0.2452	0.2464	0.2477	0.2490	0.2503
770.0	0.2434	0.2435	0.2436	0.2441	0.2453	0.2465	0.2477	0.2490	0.2503
780.0	0.2435	0.2436	0.2437	0.2443	0.2454	0.2466	0.2478	0.2490	0.2502
790.0	0.2437	0.2438	0.2439	0.2444	0.2455	0.2467	0.2478	0.2490	0.2502
800.0	0.2439	0.2439	0.2441	0.2446	0.2457	0.2468	0.2479	0.2491	0.2502
810.0	0.2441	0.2442	0.2443	0.2448	0.2459	0.2469	0.2480	0.2491	0.2503
820.0	0.2443	0.2444	0.2445	0.2449	0.2460	0.2470	0.2481	0.2492	0.2503
830.0	0.2444	0.2447	0.2448	0.2451	0.2461	0.2471	0.2482	0.2493	0.2504
840.0	0.2448	0.2449	0.2450	0.2453	0.2463	0.2473	0.2483	0.2493	0.2504
850.0	0.2450	0.2451	0.2452	0.2455	0.2465	0.2474	0.2484	0.2494	0.2505
				0.2457	0.2466	0.2476	0.2486	0.2495	0.2504

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SPECIFIC HEAT

TEMPERATURE / PRESSURE (PSIA) DEGREES R	20.000	30.000	40.000	50.000	100.000	200.000	300.000	400.000	500.000	600.000
860.0	0.2452	0.2453	0.2454	0.2455	0.2459	0.2468	0.2477	0.2487	0.2497	0.2507
870.0	0.2455	0.2455	0.2456	0.2457	0.2461	0.2470	0.2479	0.2488	0.2498	0.2508
880.0	0.2457	0.2458	0.2459	0.2459	0.2464	0.2472	0.2481	0.2490	0.2499	0.2509
890.0	0.2459	0.2460	0.2461	0.2462	0.2466	0.2474	0.2483	0.2492	0.2501	0.2510
900.0	0.2462	0.2463	0.2463	0.2464	0.2468	0.2476	0.2485	0.2493	0.2502	0.2511
910.0	0.2464	0.2465	0.2466	0.2467	0.2471	0.2479	0.2487	0.2495	0.2504	0.2513
920.0	0.2467	0.2468	0.2469	0.2469	0.2473	0.2481	0.2489	0.2497	0.2506	0.2515
930.0	0.2470	0.2471	0.2471	0.2472	0.2476	0.2483	0.2491	0.2499	0.2508	0.2516
940.0	0.2473	0.2473	0.2474	0.2475	0.2478	0.2486	0.2494	0.2501	0.2510	0.2518
950.0	0.2475	0.2476	0.2477	0.2478	0.2481	0.2488	0.2496	0.2504	0.2512	0.2520
960.0	0.2478	0.2479	0.2480	0.2480	0.2484	0.2491	0.2498	0.2506	0.2514	0.2522
970.0	0.2481	0.2482	0.2482	0.2483	0.2486	0.2493	0.2501	0.2508	0.2516	0.2524
980.0	0.2484	0.2485	0.2485	0.2486	0.2489	0.2496	0.2503	0.2510	0.2518	0.2526
990.0	0.2487	0.2487	0.2488	0.2489	0.2492	0.2499	0.2505	0.2513	0.2520	0.2528
1000.0	0.2490	0.2490	0.2491	0.2492	0.2495	0.2501	0.2508	0.2515	0.2522	0.2530
1010.0	0.2493	0.2493	0.2494	0.2494	0.2497	0.2504	0.2511	0.2517	0.2525	0.2532
1020.0	0.2496	0.2496	0.2497	0.2497	0.2500	0.2507	0.2513	0.2520	0.2527	0.2534
1030.0	0.2498	0.2499	0.2500	0.2500	0.2503	0.2509	0.2516	0.2522	0.2529	0.2536
1040.0	0.2501	0.2502	0.2503	0.2503	0.2506	0.2512	0.2518	0.2525	0.2532	0.2539
1050.0	0.2504	0.2505	0.2505	0.2506	0.2509	0.2515	0.2521	0.2527	0.2534	0.2541
1060.0	0.2507	0.2508	0.2508	0.2509	0.2512	0.2518	0.2524	0.2530	0.2536	0.2543
1070.0	0.2510	0.2511	0.2511	0.2512	0.2515	0.2520	0.2526	0.2532	0.2539	0.2546
1080.0	0.2513	0.2514	0.2514	0.2515	0.2518	0.2523	0.2529	0.2535	0.2541	0.2548
1090.0	0.2516	0.2517	0.2517	0.2518	0.2521	0.2526	0.2532	0.2538	0.2544	0.2551
1100.0	0.2519	0.2520	0.2520	0.2521	0.2524	0.2529	0.2535	0.2540	0.2547	0.2553
1110.0	0.2522	0.2523	0.2523	0.2524	0.2526	0.2532	0.2537	0.2543	0.2549	0.2556
1120.0	0.2526	0.2526	0.2527	0.2527	0.2529	0.2535	0.2540	0.2546	0.2552	0.2559
1130.0	0.2529	0.2529	0.2530	0.2530	0.2532	0.2538	0.2543	0.2549	0.2554	0.2561
1140.0	0.2532	0.2532	0.2533	0.2533	0.2535	0.2540	0.2546	0.2551	0.2557	0.2563
1150.0	0.2535	0.2535	0.2536	0.2536	0.2539	0.2543	0.2549	0.2554	0.2560	0.2566
1160.0	0.2538	0.2538	0.2539	0.2539	0.2542	0.2546	0.2551	0.2557	0.2563	0.2568
1170.0	0.2541	0.2541	0.2542	0.2542	0.2545	0.2549	0.2554	0.2560	0.2565	0.2571
1180.0	0.2544	0.2545	0.2545	0.2545	0.2548	0.2552	0.2557	0.2562	0.2568	0.2574
1190.0	0.2547	0.2548	0.2548	0.2549	0.2551	0.2555	0.2560	0.2565	0.2571	0.2576
1200.0	0.2550	0.2551	0.2551	0.2552	0.2554	0.2558	0.2563	0.2568	0.2574	0.2579
1210.0	0.2554	0.2554	0.2554	0.2555	0.2557	0.2561	0.2566	0.2571	0.2576	0.2582
1220.0	0.2557	0.2557	0.2558	0.2558	0.2560	0.2564	0.2569	0.2574	0.2579	0.2585
1230.0	0.2560	0.2560	0.2561	0.2561	0.2563	0.2567	0.2572	0.2577	0.2582	0.2587
1240.0	0.2563	0.2563	0.2564	0.2564	0.2566	0.2570	0.2575	0.2580	0.2585	0.2590
1250.0	0.2566	0.2567	0.2567	0.2567	0.2569	0.2573	0.2578	0.2583	0.2588	0.2593
1260.0	0.2569	0.2570	0.2570	0.2570	0.2572	0.2576	0.2581	0.2585	0.2590	0.2596
1270.0	0.2572	0.2573	0.2573	0.2574	0.2575	0.2579	0.2584	0.2588	0.2593	0.2598
1280.0	0.2576	0.2576	0.2576	0.2577	0.2579	0.2582	0.2587	0.2591	0.2596	0.2601
1290.0	0.2579	0.2579	0.2580	0.2580	0.2582	0.2586	0.2590	0.2595	0.2600	0.2605
1300.0	0.2582	0.2582	0.2583	0.2583	0.2585	0.2589	0.2593	0.2597	0.2602	0.2607
1310.0	0.2585	0.2586	0.2586	0.2586	0.2588	0.2592	0.2596	0.2600	0.2605	0.2610
1320.0	0.2588	0.2589	0.2589	0.2589	0.2591	0.2595	0.2599	0.2603	0.2608	0.2613
1330.0	0.2591	0.2592	0.2592	0.2593	0.2594	0.2598	0.2602	0.2606	0.2611	0.2616
1340.0	0.2595	0.2595	0.2595	0.2596	0.2597	0.2601	0.2605	0.2609	0.2614	0.2619
1350.0	0.2598	0.2598	0.2598	0.2599	0.2600	0.2604	0.2608	0.2612	0.2617	0.2622
1360.0	0.2601	0.2601	0.2602	0.2602	0.2604	0.2607	0.2611	0.2615	0.2620	0.2624
1370.0	0.2604	0.2604	0.2605	0.2605	0.2607	0.2610	0.2614	0.2618	0.2623	0.2627
1380.0	0.2607	0.2608	0.2608	0.2608	0.2610	0.2613	0.2617	0.2621	0.2625	0.2630
1390.0	0.2610	0.2611	0.2611	0.2611	0.2613	0.2616	0.2620	0.2624	0.2628	0.2633
1400.0	0.2614	0.2614	0.2614	0.2614	0.2616	0.2619	0.2623	0.2627	0.2631	0.2636
1410.0	0.2617	0.2617	0.2617	0.2618	0.2619	0.2622	0.2626	0.2630	0.2634	0.2639

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SPECIFIC HEAT

TEMPERATURE / PRESSURE(PSIA) DEGREES R	20.000	30.000	40.000	50.000	100.000	200.000	300.000	400.000	500.000	600.000
1420.0	0.2620	0.2620	0.2620	0.2621	0.2622	0.2625	0.2629	0.2633	0.2637	0.2642
1430.0	0.2623	0.2623	0.2624	0.2624	0.2625	0.2629	0.2632	0.2636	0.2640	0.2645
1440.0	0.2626	0.2626	0.2627	0.2627	0.2628	0.2632	0.2635	0.2639	0.2643	0.2647
1450.0	0.2629	0.2629	0.2630	0.2630	0.2631	0.2635	0.2638	0.2642	0.2646	0.2650
1460.0	0.2632	0.2633	0.2633	0.2633	0.2634	0.2638	0.2641	0.2645	0.2649	0.2653
1470.0	0.2635	0.2636	0.2636	0.2636	0.2638	0.2641	0.2644	0.2648	0.2652	0.2656
1480.0	0.2638	0.2639	0.2639	0.2639	0.2641	0.2644	0.2647	0.2651	0.2655	0.2659
1490.0	0.2641	0.2642	0.2642	0.2642	0.2644	0.2647	0.2650	0.2654	0.2658	0.2662
1500.0	0.2644	0.2645	0.2645	0.2645	0.2647	0.2650	0.2653	0.2657	0.2660	0.2665
1510.0	0.2648	0.2648	0.2648	0.2648	0.2650	0.2653	0.2656	0.2659	0.2663	0.2667
1520.0	0.2651	0.2651	0.2651	0.2651	0.2653	0.2656	0.2659	0.2662	0.2666	0.2670
1530.0	0.2654	0.2654	0.2654	0.2654	0.2656	0.2658	0.2662	0.2665	0.2669	0.2673
1540.0	0.2657	0.2657	0.2657	0.2657	0.2659	0.2661	0.2665	0.2668	0.2672	0.2676
1550.0	0.2660	0.2660	0.2660	0.2660	0.2662	0.2664	0.2667	0.2671	0.2675	0.2679
1560.0	0.2662	0.2663	0.2663	0.2663	0.2664	0.2667	0.2670	0.2674	0.2678	0.2682
1570.0	0.2665	0.2666	0.2666	0.2666	0.2667	0.2670	0.2673	0.2677	0.2680	0.2684
1580.0	0.2668	0.2669	0.2669	0.2669	0.2670	0.2673	0.2676	0.2679	0.2683	0.2687
1590.0	0.2671	0.2672	0.2672	0.2672	0.2673	0.2676	0.2679	0.2682	0.2686	0.2690
1600.0	0.2674	0.2674	0.2675	0.2675	0.2676	0.2679	0.2682	0.2685	0.2689	0.2693
1610.0	0.2677	0.2677	0.2677	0.2678	0.2679	0.2682	0.2685	0.2688	0.2691	0.2695
1620.0	0.2680	0.2680	0.2680	0.2681	0.2682	0.2684	0.2687	0.2691	0.2694	0.2698
1630.0	0.2683	0.2683	0.2683	0.2683	0.2685	0.2687	0.2690	0.2693	0.2697	0.2701
1640.0	0.2686	0.2686	0.2686	0.2686	0.2687	0.2690	0.2693	0.2696	0.2700	0.2703
1650.0	0.2688	0.2689	0.2689	0.2689	0.2690	0.2693	0.2696	0.2699	0.2702	0.2706
1660.0	0.2691	0.2691	0.2692	0.2692	0.2693	0.2695	0.2698	0.2701	0.2705	0.2709
1670.0	0.2694	0.2694	0.2694	0.2695	0.2696	0.2698	0.2701	0.2704	0.2707	0.2711
1680.0	0.2697	0.2697	0.2697	0.2697	0.2698	0.2701	0.2704	0.2707	0.2710	0.2714
1690.0	0.2699	0.2700	0.2700	0.2700	0.2701	0.2703	0.2706	0.2709	0.2713	0.2716
1700.0	0.2702	0.2702	0.2702	0.2703	0.2704	0.2706	0.2709	0.2712	0.2715	0.2719
1710.0	0.2705	0.2705	0.2705	0.2705	0.2706	0.2709	0.2711	0.2714	0.2718	0.2722
1720.0	0.2707	0.2707	0.2708	0.2708	0.2709	0.2711	0.2714	0.2717	0.2720	0.2724
1730.0	0.2710	0.2710	0.2710	0.2710	0.2712	0.2714	0.2717	0.2720	0.2723	0.2726
1740.0	0.2712	0.2713	0.2713	0.2713	0.2714	0.2716	0.2719	0.2722	0.2725	0.2729
1750.0	0.2715	0.2715	0.2715	0.2716	0.2717	0.2719	0.2722	0.2725	0.2728	0.2731
1760.0	0.2718	0.2718	0.2718	0.2718	0.2719	0.2721	0.2724	0.2727	0.2730	0.2734
1770.0	0.2720	0.2720	0.2720	0.2721	0.2722	0.2724	0.2726	0.2729	0.2733	0.2736
1780.0	0.2723	0.2723	0.2723	0.2723	0.2724	0.2726	0.2729	0.2732	0.2735	0.2739
1790.0	0.2725	0.2725	0.2725	0.2726	0.2727	0.2729	0.2731	0.2734	0.2737	0.2741
1800.0	0.2727	0.2728	0.2728	0.2728	0.2729	0.2731	0.2734	0.2736	0.2740	0.2743

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Table 4. Enthalpy of $C_nH_{1.95n}$/Air Exhaust Gas for Various Temperatures and Pressures

Temperature Range: 600 to 2,730°R

0.5 to 600.0 psia*

*Exhaust gas assumed to be non-dissociated over the temperature range from 600 to 2,730°R.

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PRESSURE = 0.5 - 600 PSIA)
TEMPERATURE / FUEL/AIR RATIO

ENTHALPY

DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	144.0520	144.1969	144.4135	145.1259	145.8245	146.5097	147.1819	147.8413	148.2956
610.0	146.4271	146.5966	146.8202	147.5554	148.2765	148.9834	149.6771	150.3576	150.8266
620.0	148.8749	149.0291	149.2596	150.0177	150.7611	151.4902	152.2055	152.9072	153.3906
630.0	151.3043	151.4633	151.7008	152.4821	153.2482	153.9995	154.7367	155.4599	155.9580
640.0	153.7141	153.8978	154.1425	154.9473	155.7365	156.5106	157.2700	158.0150	158.5282
650.0	156.1039	156.3126	156.5445	157.4133	158.2261	159.0231	159.8052	160.5724	161.1008
660.0	158.5742	158.7678	159.0272	159.8804	160.7179	161.5375	162.3425	163.1322	163.6763
670.0	161.0251	161.1981	161.4221	162.3427	163.2038	164.0477	164.8759	165.6884	166.2481
680.0	163.4625	163.6060	163.8201	164.7018	165.6666	166.5332	167.3841	168.2197	168.7937
690.0	165.8931	166.0383	166.2202	167.2474	168.1566	169.0483	169.9232	170.7816	171.3726
700.0	168.3201	168.4742	168.7641	169.7180	170.6534	171.5708	172.4709	173.3539	173.9621
710.0	170.7480	170.9173	171.2151	172.1947	173.1554	174.0975	175.0219	175.9286	176.5533
720.0	173.1862	173.3604	173.6665	174.6721	175.6583	176.6255	177.5744	178.5052	179.1465
730.0	175.6445	175.8241	176.1382	177.1502	178.1622	179.1547	180.1285	181.0837	181.7418
740.0	178.0336	178.2490	178.5708	179.6295	180.6674	181.6856	182.6845	183.6643	184.3393
750.0	180.4800	180.7007	181.0303	182.1147	183.1787	184.2209	185.2440	186.2477	186.9391
760.0	182.9232	183.1493	183.4870	184.5980	185.6874	186.7559	187.8042	188.8325	189.5409
770.0	185.3608	185.5925	185.9387	187.0776	188.1944	189.2897	190.3643	191.4185	192.1447
780.0	187.8056	188.0430	188.3975	189.5639	190.7076	191.8294	192.9299	194.0095	194.7533
790.0	190.2521	190.4951	190.8582	192.0526	193.2238	194.3724	195.4996	196.6049	197.3665
800.0	192.6993	192.9482	193.3199	194.5430	195.7423	196.9185	198.0725	199.2046	199.9844
810.0	195.1463	195.4010	195.7816	197.0335	198.2612	199.4653	200.6465	201.8054	202.5037
820.0	197.6177	197.8782	198.2673	199.5474	200.8027	202.0338	203.2416	204.4265	205.2427
830.0	200.0897	200.3560	200.7567	202.0622	203.3451	204.6037	205.8382	207.0494	207.8837
840.0	202.5528	202.8051	203.2118	204.5498	205.8618	207.1486	208.4111	209.6495	210.5026
850.0	204.9615	205.2717	205.6873	207.0567	208.3955	209.7105	211.0007	212.2663	213.1382
860.0	207.4799	207.7641	208.1886	209.5854	210.9549	212.2982	213.6160	214.9088	215.7994
870.0	209.9434	210.2335	210.6670	212.0931	213.4915	214.8629	216.2085	217.5284	218.4377
880.0	212.3939	212.6901	213.1325	214.5880	216.0151	217.4149	218.7881	220.1353	221.0633
890.0	214.8743	215.1765	215.6181	217.1135	218.5700	219.9986	221.4001	222.7750	223.7221
900.0	217.3491	217.6775	218.1381	219.6535	221.1395	222.5969	224.0267	225.4294	226.3957
910.0	219.8021	220.1623	220.6319	222.1767	223.6916	225.1773	226.6349	228.0668	229.0498
920.0	222.3099	222.6503	223.1289	224.7034	226.2474	227.7616	229.2472	230.7046	231.7086
930.0	224.8150	225.1414	225.6292	227.2336	228.8069	230.3499	231.8637	233.3488	234.3718
940.0	227.3027	227.6353	228.1322	229.7668	231.3696	232.9416	234.4838	235.9968	237.0390
950.0	229.7943	230.1328	230.6389	232.3038	233.9364	235.5376	237.1085	238.6498	239.7112
960.0	232.2881	232.6332	233.1486	234.8441	236.5067	238.1373	239.7371	241.3065	242.3874
970.0	234.7856	235.1368	235.6615	237.3879	239.0807	240.7410	242.3699	243.9678	245.0683
980.0	237.2857	237.6432	238.1774	239.9348	241.6581	243.3482	245.0062	246.6328	247.7534
990.0	239.7889	240.1529	240.6966	242.4853	244.2392	245.9594	247.6469	249.3025	250.4429
1000.0	242.2956	242.6660	243.2193	245.0394	246.8242	248.5746	250.2920	251.9765	253.1371
1010.0	244.8051	245.1819	245.7448	247.5966	249.4122	251.1932	252.9406	254.6567	255.8355
1020.0	247.3177	247.7011	248.2737	250.1574	252.0044	253.8161	255.5936	257.3372	258.5381
1030.0	249.8335	250.2234	250.8061	252.7216	254.6001	256.4426	258.2505	260.0237	261.2456
1040.0	252.3523	252.7488	253.3410	255.2891	257.1990	259.0730	260.9114	262.7146	263.9586
1050.0	254.8740	255.2770	255.8791	257.8596	259.8020	261.7070	263.5759	265.4094	266.6726
1060.0	257.3987	257.8086	258.4204	260.4341	262.4081	264.3450	266.2449	268.1089	269.3926
1070.0	259.9265	260.3430	260.9651	263.0117	265.0186	266.9886	268.9177	270.8120	272.1187
1080.0	262.4575	262.8806	263.5129	265.5928	267.6321	269.6321	271.5945	273.5195	274.8457
1090.0	264.9917	265.4216	266.0647	268.1772	270.2491	272.2815	274.2758	276.2312	277.5789
1100.0	267.5286	267.9656	268.6182	270.7649	272.8699	274.9343	276.9800	278.9470	280.3157
1110.0	270.0684	270.5118	271.1755	273.3562	275.4944	277.5913	279.6887	281.6672	283.0576
1120.0	272.6125	273.0632	273.7363	275.9509	278.1223	280.2522	282.3018	284.3914	285.8035
1130.0	275.1597	275.6182	276.2994	278.5486	280.7537	282.9165	285.0381	287.1196	288.5535

ENTHALPY

PRESSURE = 0.5 - [illegible]
TEMPERATURE / FUEL/AIR RATIO

DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
1140.0	277.7080	278.1726	278.8667	281.1497	283.3687	285.5842	287.7385	289.8518	291.3076
1150.0	280.2607	280.7322	281.4310	283.7546	286.0273	288.2563	290.4431	292.5886	294.0662
1160.0	282.8182	283.2952	284.0100	286.3625	288.6694	290.9319	293.1516	295.3291	296.8293
1170.0	285.3768	285.8606	286.5956	288.9739	291.3149	293.6111	295.8638	298.0737	299.5959
1180.0	287.9385	288.4294	289.1658	291.5884	293.9639	296.2942	298.5798	300.8223	302.3672
1190.0	290.5010	291.0012	291.7483	294.2065	296.6169	298.9810	301.3000	303.5752	305.1423
1200.0	293.0688	293.5764	294.3342	296.8279	299.2729	301.6714	304.0239	306.3320	307.9219
1210.0	295.6398	296.1543	296.9231	299.4526	301.9326	304.3652	306.7520	309.0928	310.7058
1220.0	298.2134	298.7356	299.5151	302.0806	304.5959	307.0630	309.4834	311.8579	313.4934
1230.0	300.7905	301.3201	302.1108	304.7122	307.2629	309.7649	312.2192	314.6270	316.2856
1240.0	303.3704	303.9070	304.7087	307.3464	309.9329	312.4697	314.9583	317.3997	319.0815
1250.0	305.9534	306.4980	307.3118	309.9849	312.6077	315.1790	317.7019	320.1770	321.8821
1260.0	308.5393	309.0908	309.9148	312.6257	315.2839	317.8909	320.4487	322.9578	324.6863
1270.0	311.1280	311.6860	312.5239	315.2708	317.9648	320.6074	323.1997	325.7432	327.4949
1280.0	313.7209	314.2874	315.1338	317.9185	320.6489	323.3271	325.9543	328.5317	330.3071
1290.0	316.3159	316.8904	317.7478	320.5698	323.3367	326.0503	328.7129	331.3247	333.1238
1300.0	318.9143	319.4963	320.3652	323.2246	326.0281	328.7778	331.4753	334.1218	335.9448
1310.0	321.5154	322.1050	322.9844	325.8821	328.7224	331.5083	334.2412	336.9224	338.7693
1320.0	324.1201	324.7170	325.6089	328.5435	331.4209	334.2427	337.0115	339.7275	341.5986
1330.0	326.7271	327.3320	328.2356	331.2078	334.1223	336.9807	339.7852	342.5361	344.4312
1340.0	329.3379	329.9504	330.8655	333.8757	336.8274	339.7224	342.5627	345.3489	347.2683
1350.0	331.9517	332.5720	333.4985	336.5469	339.5364	342.4680	345.3440	348.1658	350.1094
1360.0	334.5681	335.1963	336.1343	339.2212	342.2478	345.2166	348.1289	350.9861	352.9541
1370.0	337.1870	337.8235	338.7734	341.8980	344.9634	347.9690	350.9177	353.8105	355.8030
1380.0	339.8098	340.4539	341.4155	344.5793	347.6819	350.7249	353.7100	356.6387	358.6560
1390.0	342.4352	343.0876	344.0610	347.2631	350.4043	353.4846	356.5063	359.4709	361.5129
1400.0	345.0645	345.7241	346.7095	349.9512	353.1299	356.2478	359.3064	362.3069	364.3738
1410.0	347.6963	348.3640	349.3613	352.6421	355.8594	359.0146	362.1099	365.1470	367.2388
1420.0	350.3308	351.0063	352.0156	355.3357	358.5913	361.7844	364.9172	367.9902	370.1072
1430.0	352.9685	353.6523	354.6733	358.0330	361.3274	364.5583	367.7283	370.8379	372.9800
1440.0	355.6099	356.3015	357.3347	360.7339	364.0669	367.3362	370.5432	373.6895	375.8569
1450.0	358.2534	358.9534	359.9995	363.4373	366.8096	370.1169	373.3616	376.5447	378.7373
1460.0	360.9004	361.6084	362.6660	366.1448	369.5559	372.9016	376.1838	379.4038	381.6221
1470.0	363.5510	364.2664	365.3357	368.8547	372.3052	375.6895	379.0093	382.2664	384.5100
1480.0	366.2034	366.9277	368.0095	371.5684	375.0583	378.4812	381.8391	385.1333	387.4026
1490.0	368.8594	369.5918	370.6858	374.2862	377.8145	381.2751	184.6721	388.0037	390.2986
1500.0	371.5183	372.2590	373.3652	377.0051	380.5742	384.0747	387.5088	390.8777	393.1985
1510.0	374.1807	374.9297	376.0483	379.7288	383.3394	386.8772	390.3494	393.7561	396.1025
1520.0	376.8462	377.6025	378.7336	382.4546	386.1035	389.6821	393.1931	396.6375	399.0100
1530.0	379.5137	380.2793	381.4226	385.1848	388.8735	392.4917	396.0408	399.5232	401.9216
1540.0	382.1851	382.9587	384.1147	387.9177	391.6467	395.3042	398.8923	402.4121	404.8372
1550.0	384.8591	385.6414	386.8098	390.6538	394.4233	398.1204	401.7471	405.3054	407.7563
1560.0	387.5361	388.3269	389.5078	393.3931	397.2031	400.9399	404.6055	408.2019	410.6792
1570.0	390.2163	391.0154	392.2090	396.1357	399.9863	403.7627	407.4675	411.1021	413.6060
1580.0	392.8997	393.7073	394.9136	398.8818	402.7729	406.5894	410.3333	414.0063	416.5364
1590.0	395.5857	396.4019	397.6206	401.6306	405.5625	409.4189	413.2024	416.9141	419.4707
1600.0	398.2754	399.1001	400.3315	404.3831	408.3562	412.2527	416.0754	419.8257	422.4092
1610.0	400.9685	401.8008	403.0449	407.1394	411.1523	415.0894	418.9517	422.7407	425.3508
1620.0	403.6631	404.5046	405.7617	409.8970	413.9524	417.9297	421.8315	425.6594	428.2961
1630.0	406.3613	407.2117	408.4812	412.6589	416.7558	420.7734	424.7148	428.5818	431.2456
1640.0	409.0625	409.9214	411.2041	415.4241	419.5620	423.6206	427.6018	431.5078	434.1985
1650.0	411.7671	412.6343	413.9296	418.1931	422.3718	426.4709	430.4924	434.4375	437.1553
1660.0	414.4741	415.3506	416.6587	420.9636	425.1846	429.3247	433.3862	437.3706	440.1157
1670.0	417.1848	418.0698	419.3909	423.7385	428.0012	432.1824	436.2839	440.3079	443.0798

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ENTHALPY

PRESSURE = 0.5 - 600(PSIA)
TEMPERATURE / FUEL/AIR RATIO

DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
1680.0	419.8979	420.7917	422.1257	426.5159	430.8208	435.0427	439.1848	443.2483	446.0474
1690.0	422.6147	423.5168	424.8648	429.2969	433.6438	437.9070	442.0894	446.1924	449.0188
1700.0	425.3342	426.2451	427.6055	432.0813	436.4700	440.7747	444.9973	449.1404	451.9941
1710.0	428.0568	428.9763	430.3499	434.8687	439.2996	443.6455	447.9089	452.0916	454.9727
1720.0	430.7822	431.7107	433.0972	437.6589	442.1326	446.5198	450.8240	455.0464	457.9551
1730.0	433.5107	434.4478	435.8474	440.4526	444.9683	449.3972	453.7422	458.0046	460.9409
1740.0	436.2424	437.1882	438.6013	443.2495	447.8079	452.2783	456.6643	460.9668	463.9309
1750.0	438.9768	439.9316	441.3577	446.0498	450.6504	455.1628	459.5896	463.9324	466.9241
1760.0	441.7144	442.6782	444.1174	448.8528	453.4963	458.0505	462.5183	466.9016	469.9209
1770.0	444.4548	445.4277	446.8801	451.6589	456.3452	460.9414	465.4504	469.8740	472.9211
1780.0	447.1982	448.1797	449.6458	454.4685	459.1978	463.8359	468.3860	472.8501	475.9250
1790.0	449.9451	450.9355	452.4148	457.2815	462.0535	466.7339	471.3252	475.8301	478.9331
1800.0	452.6946	453.6938	455.1863	460.0969	464.9121	469.6348	474.2676	478.8127	481.9438
1810.0	455.4500	456.4585	457.9648	462.9202	467.7795	472.5454	477.2207	481.8076	484.9673
1820.0	458.2078	459.2256	460.7454	465.7456	470.6494	475.4583	480.1763	484.8049	487.9934
1830.0	460.9675	461.9944	463.5291	468.5737	473.5215	478.3740	483.1345	487.8047	491.0217
1840.0	463.7292	464.7654	466.3127	471.4036	476.3955	481.2917	486.0950	490.8071	494.0530
1850.0	466.4929	467.5383	469.0994	474.2356	479.2722	484.2117	489.0579	493.8118	497.0867
1860.0	469.2585	470.3132	471.8879	477.0696	482.1506	487.1340	492.0229	496.8188	500.1228
1870.0	472.0261	473.0898	474.6787	479.9058	485.0315	490.0586	496.9905	499.8289	503.1616
1880.0	474.7957	475.8689	477.4717	482.7444	487.9140	492.9858	497.9607	502.8413	506.2034
1890.0	477.5676	478.6499	480.2664	485.5850	490.8003	495.9155	500.9336	505.8564	509.2476
1900.0	480.3408	481.4326	483.0632	488.4275	493.6880	498.8469	503.9084	508.8738	512.2942
1910.0	483.1162	484.2175	485.8618	491.2722	496.5776	501.7813	506.8857	511.8938	515.3435
1920.0	485.8938	487.0044	488.6628	494.1194	499.4700	504.7178	509.8657	514.9165	518.3955
1930.0	488.6731	489.7930	491.4653	496.9682	502.3640	507.6563	512.8479	517.9412	521.4500
1940.0	491.4546	492.5840	494.2708	499.8196	505.2610	510.5974	515.8328	520.9690	524.5071
1950.0	494.2378	495.3767	497.0774	502.6728	508.1594	513.5408	518.8201	523.9993	527.5669
1960.0	497.0229	498.1714	499.8862	505.5281	511.0603	516.4863	521.8093	527.0315	530.6289
1970.0	499.8105	500.9685	502.6973	508.3857	513.9639	519.4346	524.8018	530.0671	533.6943
1980.0	502.5994	503.7668	505.5098	511.2451	516.8689	522.3848	527.7959	533.1045	536.7612
1990.0	505.3911	506.5676	508.3247	514.1074	519.7771	525.3379	530.7932	536.1453	539.8318
2000.0	508.1848	509.3708	511.1426	516.9714	522.6873	528.2932	533.7927	539.1882	542.9048
2010.0	510.9792	512.1750	513.9612	519.8372	525.5991	531.2502	536.7944	542.2332	545.9797
2020.0	513.7766	514.9822	516.7825	522.7056	528.5137	534.2104	539.7988	545.2813	549.0581
2030.0	516.5757	517.7908	519.6058	525.5759	531.4307	537.1724	542.8057	548.3320	552.1387
2040.0	519.3765	520.6013	522.4304	528.4482	534.3491	540.1370	545.8145	551.3845	555.2217
2050.0	522.1797	523.4141	525.2578	531.3228	537.2705	543.1035	548.8262	554.4402	558.3076
2060.0	524.9851	526.2290	528.0872	534.2000	540.1941	546.0730	551.8403	557.4985	561.3962
2070.0	527.7917	529.0457	530.9182	537.0786	543.1194	549.0444	554.8567	560.5591	564.4871
2080.0	530.6011	531.8645	533.7515	539.9600	546.0479	552.0186	557.8760	563.6226	567.5808
2090.0	533.4118	534.6851	536.5864	542.8428	548.9775	554.9944	560.8970	566.6877	570.6770
2100.0	536.2246	537.5076	539.4238	545.7280	551.9095	557.9729	563.9209	569.7561	573.7759
2110.0	539.0395	540.3323	542.2632	548.6155	554.8447	560.9539	566.9470	572.8271	576.8774
2120.0	541.8562	543.1589	545.1045	551.5049	557.7813	563.9368	569.9758	575.9001	579.9812
2130.0	544.6750	545.9878	547.9478	554.3967	560.7205	566.9226	573.0068	578.9763	583.0881
2140.0	547.4958	548.8181	550.7930	557.2900	563.6614	569.9102	576.0403	582.0542	586.1970
2150.0	550.3184	551.6509	553.6401	560.1860	566.6050	572.9004	579.0762	585.1353	589.3088
2160.0	553.1433	554.4856	556.4897	563.0845	569.5510	575.8931	582.1150	588.2190	592.4238
2170.0	555.9697	557.3218	559.3408	565.9841	572.4986	578.8877	585.1553	591.3047	595.5403
2180.0	558.7986	560.1609	562.1948	568.8867	575.4492	581.8853	588.1990	594.3936	598.6604
2190.0	561.6289	563.0016	565.0498	571.7908	578.4011	584.8843	591.2444	597.4861	601.7822
2200.0	564.4614	565.8435	567.9075	574.6975	581.3560	587.8862	594.2927	600.5779	604.9072
2210.0	567.2961	568.6882	570.7682	577.6064	584.3130	590.8906	597.3435	603.6741	608.0349

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ENTHALPY

PRESSURE = 0.5 - 600 PSIA
TEMPERATURE / FUEL/AIR RATIO

DEGREES R	0.005	0.007	0.010	0.030	0.040	0.050	0.060	0.067
2220.0	570.1328	571.5347	573.6284	580.5173	587.2722	593.8972	600.3965	606.7727	611.1650
2230.0	572.9716	574.3835	576.4922	[illegible]	[illegible]	[illegible]	603.4521	609.8740	614.2979
2240.0	575.8118	577.2339	579.3577	586.3452	593.1970	599.9172	606.3100	612.9775	617.4329
2250.0	578.6541	580.0864	582.2253	[illegible]	[illegible]	[illegible]	609.5703	616.0842	620.5710
2260.0	581.4988	582.9412	585.0952	592.1821	599.1313	605.9470	612.6335	619.1931	623.7117
2270.0	584.3462	585.7979	587.9668	595.1035	602.1018	[illegible]	615.6985	622.3044	626.8550
2280.0	587.1934	588.6560	590.8401	598.0269	605.0742	611.9856	618.7661	625.4182	630.0005
2290.0	590.0432	591.5164	593.7158	[illegible]	[illegible]	[illegible]	621.8359	628.5344	633.1487
2300.0	592.8958	594.3787	596.5935	603.8804	611.0256	618.0337	624.9087	631.6536	636.2998
2310.0	595.7502	597.2434	599.4734	606.8105	614.0051	621.0615	627.9839	634.7751	639.4534
2320.0	598.6062	600.1099	602.3552	609.7424	616.9866	624.0911	631.0613	637.8992	642.6094
2330.0	601.4644	602.9780	605.2388	612.6765	[illegible]	627.1233	634.1406	641.0254	645.7678
2340.0	604.3247	605.8491	608.1248	615.6135	622.9565	630.1582	637.2236	644.1550	648.9299
2350.0	607.1865	608.7212	611.0125	[illegible]	[illegible]	[illegible]	640.3081	647.2866	652.0935
2360.0	610.0510	611.5957	613.9026	621.4924	628.9351	636.2346	643.3955	650.4207	655.2603
2370.0	612.9170	614.4722	616.7944	[illegible]	631.9280	[illegible]	[illegible]	653.5579	658.4297
2380.0	615.7847	617.3503	619.6880	627.3799	634.9224	642.3198	[illegible]	656.6965	661.6008
2390.0	618.6551	620.2307	[illegible]	630.3271	637.9199	[illegible]	[illegible]	659.8386	664.7756
2400.0	621.5269	623.1133	625.4819	633.2764	640.9192	648.4150	655.7686	662.9829	667.9526
2410.0	624.4005	625.9973	628.3818	[illegible]	[illegible]	[illegible]	658.8677	666.1296	671.1321
2420.0	627.2766	628.8838	631.2839	639.1809	646.9246	654.5190	661.9697	669.2793	674.3142
2430.0	630.1545	631.7722	634.1880	642.1365	649.9307	[illegible]	[illegible]	672.4312	677.4993
2440.0	633.0342	634.6624	637.0940	645.0942	652.9390	660.6328	668.1807	675.5857	680.6868
2450.0	635.9160	637.5549	640.0022	[illegible]	655.9495	[illegible]	[illegible]	678.7427	683.8767
2460.0	638.7998	640.4492	642.9121	651.0156	658.9622	666.7556	674.4014	681.9023	687.0693
2470.0	641.6858	643.3459	645.8245	653.9802	[illegible]	[illegible]	[illegible]	685.0645	690.2644
2480.0	644.5735	646.2437	648.7385	656.9463	664.9946	672.8882	680.6321	688.2292	693.4626
2490.0	647.4629	649.1440	651.6545	[illegible]	[illegible]	[illegible]	[illegible]	691.3960	696.6626
2500.0	650.3547	652.0466	654.5730	662.8853	671.0359	679.0300	686.8723	694.5662	699.8662
2510.0	653.2485	654.9509	657.4932	[illegible]	[illegible]	[illegible]	689.9961	697.7385	703.0720
2520.0	656.1438	657.8567	660.4153	668.8323	677.0859	685.1809	693.1221	700.9131	706.2798
2530.0	659.0415	660.7651	663.3394	[illegible]	[illegible]	[illegible]	[illegible]	704.0906	709.4907
2540.0	661.9409	663.6755	666.2656	674.7881	683.1450	691.3413	699.3818	707.2703	712.7043
2550.0	664.8423	666.5876	669.1938	677.7690	686.1780	694.4768	[illegible]	710.4526	715.9204
2560.0	667.7458	669.5020	672.1243	680.7522	689.2131	697.5110	705.6514	713.6377	719.1389
2570.0	670.6514	672.4182	675.0566	[illegible]	[illegible]	[illegible]	708.7898	716.8252	722.3604
2580.0	673.5586	675.3362	677.9910	686.7251	695.2900	703.6899	[illegible]	720.0151	725.5842
2590.0	676.4680	678.2566	680.9275	689.7148	[illegible]	[illegible]	[illegible]	723.2075	728.8108
2600.0	679.3794	681.1787	683.8657	692.7065	701.3760	709.8784	718.2195	726.4028	732.0400
2610.0	682.2927	684.1030	686.8064	695.7007	[illegible]	[illegible]	[illegible]	729.6006	735.2717
2620.0	685.2080	687.0291	689.7485	698.6968	707.4707	716.0764	724.5183	732.8008	738.5059
2630.0	688.1252	689.9573	692.6934	701.6948	710.4717	[illegible]	727.6716	736.0037	741.7429
2640.0	691.0444	692.8875	695.6396	704.6951	713.5747	722.2834	730.8269	739.2087	744.9824
2650.0	693.9656	695.8196	698.5881	707.6975	[illegible]	[illegible]	[illegible]	742.4167	748.2268
2660.0	696.8889	698.7539	701.5388	710.7021	719.6875	728.5000	737.1483	745.6270	751.4695
2670.0	699.8140	701.6899	704.4912	[illegible]	[illegible]	[illegible]	[illegible]	748.8396	754.7168
2680.0	702.7410	704.6279	707.4458	716.7175	725.8091	734.7258	743.4731	752.0552	757.9668
2690.0	705.6702	707.5684	710.4026	[illegible]	[illegible]	[illegible]	[illegible]	755.2732	761.2195
2700.0	708.6011	710.5103	713.3611	722.7415	731.9395	740.9609	749.8108	758.4934	764.4744
2710.0	711.5335	713.4509	716.3186	725.7542	[illegible]	[illegible]	[illegible]	761.7168	767.7329
2720.0	714.4612	716.3928	719.2773	728.7681	738.0747	747.2021	756.1565	764.9412	770.9924
2730.0	717.3928	719.3357	722.2371	731.7830	741.1436	750.3242	759.3308	768.1667	774.2534

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Table 4. Continued

Temperature Range: 2,740 to 4,000°R

0.5 to 14.696 psia [redacted]

ENTHALPY

PRESSURE = 0.5000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3687	722.3225	725.2417	734.8442	744.2593	753.4917	762.5476	771.4331	777.5618
2750.0	723.3638	725.3303	728.2673	737.9263	747.3955	756.6797	765.7859	774.7195	780.8955
2760.0	726.3608	728.3398	731.2949	741.0110	750.5349	759.8704	769.0261	778.0073	784.2336
2770.0	729.3611	731.3523	734.3254	744.0986	753.6770	763.0649	772.2700	781.2996	787.5762
2780.0	732.3635	734.3674	737.3586	747.1892	756.8215	766.2620	775.5168	784.5945	790.9241
2790.0	735.3689	737.3848	740.3948	750.2825	759.9692	769.4617	778.7664	787.8926	794.2761
2800.0	738.3770	740.4055	743.4333	753.3789	763.1204	772.6653	782.0203	791.1948	797.6353
2810.0	741.3872	743.4285	746.4746	756.4780	766.2742	775.8711	785.2764	794.4995	800.9990
2820.0	744.4006	746.4543	749.5188	759.5806	769.4316	779.0811	788.5361	797.8091	804.3696
2830.0	747.4167	749.4829	752.5659	762.6853	772.5923	782.2935	791.7996	801.1223	807.7456
2840.0	750.4351	752.5146	755.6162	765.7942	775.7561	785.5098	795.0654	804.4390	811.1289
2850.0	753.4565	755.5488	758.6653	768.9055	778.9229	788.7297	798.3362	807.7595	814.5183
2860.0	756.4817	758.5867	761.7212	772.0210	782.0933	791.9529	801.6106	811.0847	817.9163
2870.0	759.5088	761.6277	764.7808	775.1389	785.2676	795.1807	804.8879	814.4143	821.3210
2880.0	762.5391	764.6704	767.8435	778.2612	788.4448	798.4114	808.1704	817.7478	824.7327
2890.0	765.5725	767.7175	770.9087	781.3865	791.6267	801.6458	811.4565	821.0869	828.1538
2900.0	768.6091	770.7671	773.9773	784.5151	794.8113	804.8848	814.7471	824.4299	831.5815
2910.0	771.6492	773.8201	777.0498	787.6479	798.0000	808.1270	818.0417	827.7786	835.0195
2920.0	774.6921	776.8770	780.1250	790.7834	801.1931	811.3740	821.3403	831.1323	838.4658
2930.0	777.7383	779.9333	783.2041	793.9238	804.3899	814.6252	824.6440	834.4907	841.9231
2940.0	780.7876	782.9968	786.2869	797.0669	807.5908	817.8804	827.9521	837.8557	845.3892
2950.0	783.8403	786.0627	789.3738	800.2151	810.7957	821.1406	831.2656	841.2251	848.8657
2960.0	786.8970	789.1328	792.4629	803.3672	814.0056	824.4048	834.5840	844.6013	852.3528
2970.0	789.9563	792.2065	795.5574	806.5232	817.2195	827.6741	837.9075	847.9839	855.8513
2980.0	793.0181	795.2844	798.6555	809.6831	820.4375	830.9482	841.2354	851.3728	859.3611
2990.0	796.0854	798.3657	801.7566	812.8477	823.6609	834.2273	844.5698	854.7678	862.8899
3000.0	799.1558	801.4507	804.8618	816.0156	826.8887	837.5112	847.9094	858.1697	866.4246
3010.0	802.2302	804.5400	807.9712	819.1897	830.1213	840.8013	851.2554	861.5793	869.9736
3020.0	805.3086	807.6331	811.0850	822.3682	833.3594	844.0962	854.6072	864.9958	873.5349
3030.0	808.3909	810.7295	814.2029	825.5505	836.6023	847.3967	857.9648	868.4211	877.1104
3040.0	811.4768	813.8301	817.3250	828.7378	839.8503	850.7024	861.3293	871.8521	880.7002
3050.0	814.5674	816.9360	820.4524	831.9309	843.1042	854.0156	864.7002	875.2937	884.3054
3060.0	817.6614	820.0461	823.5840	835.1287	846.3635	857.3340	868.0781	878.7427	887.9268
3070.0	820.7607	823.1602	826.7197	838.3318	849.6284	860.6584	871.4626	882.2002	891.5627
3080.0	823.8633	826.2786	829.8601	841.5398	852.8994	863.9893	874.8545	885.6677	895.2151
3090.0	826.9714	829.4026	833.0059	844.7532	856.1763	867.3276	878.2544	889.1453	898.8848
3100.0	830.0837	832.5298	836.1563	847.9727	859.4592	870.6721	881.6621	892.6321	902.5720
3110.0	833.2007	835.6631	839.3123	851.1980	862.7488	874.0234	885.0776	896.1292	906.2769
3120.0	836.3218	838.8010	842.4729	854.4287	866.0449	877.3831	888.5017	899.6382	910.0015
3130.0	839.4487	841.9438	845.6387	857.6658	869.3474	880.7495	891.9343	903.1572	913.7437
3140.0	842.5803	845.0920	848.8108	860.9092	872.6577	884.1233	895.3757	906.6882	917.5066
3150.0	845.7158	848.2454	851.9878	864.1587	875.9736	887.5049	898.8264	910.2297	921.2893
3160.0	848.8577	851.4038	855.1709	867.4148	879.2981	890.8960	902.2864	913.7859	925.0923
3170.0	852.0044	854.5684	858.3594	870.6780	882.6296	894.2944	905.7559	917.3535	928.9180
3180.0	855.1575	857.7390	861.5540	873.9475	885.9688	897.7024	909.2363	920.9358	932.7659
3190.0	858.3149	860.9143	864.7556	877.2241	889.3159	901.1187	912.7266	924.5308	936.6353
3200.0	861.4788	864.0964	867.9626	880.5078	892.6719	904.5444	916.2283	928.1421	940.5269
3210.0	864.6479	867.2839	871.1758	883.8005	896.0356	907.9797	919.7415	931.7666	944.4451
3220.0	867.8242	870.4778	874.3965	887.0991	899.4087	911.4250	923.2656	935.4067	948.3857
3230.0	871.0066	873.6780	877.6233	890.4060	902.7900	914.8813	926.8025	939.0645	952.3535
3240.0	874.1934	876.8855	880.8572	893.7214	906.1804	918.3469	930.3511	942.7371	956.3455
3250.0	877.3875	880.0986	884.0977	897.0444	909.5806	921.8237	933.9121	946.4282	960.3647
3260.0	880.5884	883.3193	887.3459	900.3765	912.9905	925.3113	937.4878	950.1360	964.4111
3270.0	883.7954	886.5471	890.6021	903.7175	916.4102	928.8108	941.0767	953.8643	968.4685

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ENTHALPY

PRESSURE = 0.5000

TEMPERATURE / FUEL/AIR RATIO									
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	887.0105	889.7822	893.8657	907.6669	919.8403	932.3271	944.6792	957.6104	972.5864
3290.0	890.2310	893.0249	897.1362	910.4255	923.2813	935.8452	948.2969	961.3765	976.6934
3300.0	893.4597	896.2734	900.4158	913.7931	926.7389	939.3811	951.9294	965.1633	980.8498
3310.0	896.6963	899.5313	903.7034	917.1719	930.1958	942.9309	955.5789	968.9724	985.0359
3320.0	899.9395	902.7971	906.9998	920.5596	933.6699	946.4934	959.2422	972.8032	989.2517
3330.0	903.1907	906.0706	910.3042	923.9587	937.1570	950.0701	962.9246	976.6560	993.4998
3340.0	906.4495	909.3523	913.6172	927.3672	940.6548	953.6638	966.6233	980.5334	997.7798
3350.0	909.7168	912.6423	916.9399	930.7869	944.1660	957.2659	970.3398	984.4343	1002.0911
3360.0	912.9922	915.9426	920.2725	934.2183	947.6912	960.8818	974.0757	988.3608	1006.4375
3370.0	916.2771	919.2507	923.6143	937.6604	951.2280	964.5237	977.8296	992.3132	1010.8162
3380.0	919.5698	922.5678	926.9658	941.1143	954.7795	968.1763	981.6035	996.2932	1015.2297
3390.0	922.8721	925.8953	930.3279	944.5806	958.3447	971.8452	985.3975	1000.2998	1019.6782
3400.0	926.1826	929.2312	933.6990	948.0588	961.9256	975.5315	989.2136	1004.3364	1024.1645
3410.0	929.5024	932.5779	937.0818	951.5505	965.5193	979.2354	993.0493	1008.4016	1028.6863
3420.0	932.8328	935.9348	940.4758	955.0554	969.1301	982.9580	996.9099	1012.4978	1033.2473
3430.0	936.1736	939.3027	943.8806	958.5732	972.7566	986.6992	1000.7922	1016.6245	1037.8469
3440.0	939.5247	942.6803	947.2961	962.1055	976.3994	990.4597	1004.6990	1020.7856	1042.4856
3450.0	942.8848	946.0693	950.7246	965.6516	980.0586	994.2400	1008.6294	1024.9771	1047.1655
3460.0	946.2561	949.4688	954.1650	969.2124	983.7351	998.0413	1012.5862	1029.2056	1051.8870
3470.0	949.6392	952.8821	957.6182	972.7883	987.4302	1001.8633	1016.5684	1033.4675	1056.6523
3480.0	953.0325	956.3059	961.0833	976.3780	991.1433	1005.7075	1020.5776	1037.7666	1061.4094
3490.0	956.4373	959.7412	964.5620	979.9868	994.8752	1009.5747	1024.6147	1042.1045	1066.2500
3500.0	959.8547	963.1890	968.0537	983.6108	998.6267	1013.4646	1028.6812	1046.4797	1071.1328
3510.0	963.2839	966.6506	971.5593	987.2505	1002.3982	1017.3784	1032.7773	1050.8940	1076.0605
3520.0	966.7253	970.1250	975.0789	990.9067	1006.1895	1021.3159	1036.9028	1055.3491	1081.0325
3530.0	970.1799	973.6133	978.6143	994.5845	1010.0032	1025.2803	1041.0601	1059.8467	1086.0505
3540.0	973.6470	977.1141	982.1626	998.2771	1013.8366	1029.2700	1045.2498	1064.3870	1091.1157
3550.0	977.1272	980.6304	985.7273	1001.9893	1017.6938	1033.2866	1049.4722	1068.9700	1096.2271
3560.0	980.6218	984.1606	989.3074	1005.7214	1021.5737	1037.3303	1053.7290	1073.5989	1101.3872
3570.0	984.1304	987.7056	992.9031	1009.4717	1025.4775	1041.4033	1058.0210	1078.2734	1106.5957
3580.0	987.6533	991.2668	996.5164	1013.2432	1029.4048	1045.5049	1062.3496	1082.9966	1111.8557
3590.0	991.1904	994.8423	1000.1448	1017.0344	1033.3567	1049.6360	1066.7141	1087.7654	1117.1646
3600.0	994.7427	998.4346	1003.7888	1020.8441	1037.3357	1053.7988	1071.1179	1092.5894	1122.5264
3610.0	998.3113	1002.0442	1007.4568	1024.6836	1041.3403	1057.9937	1075.5608	1097.4609	1127.9409
3620.0	1001.8960	1005.6677	1011.1392	1028.5410	1045.3713	1062.2197	1080.0435	1102.3828	1133.4094
3630.0	1005.496	1009.3105	1014.8413	1032.4226	1049.4314	1066.4802	1084.5681	1107.3579	1138.9314
3640.0	1009.1130	1012.9712	1018.5610	1036.3257	1053.5186	1070.7744	1089.1348	1112.3870	1144.5081
3650.0	1012.7476	1016.6497	1022.3010	1040.2551	1057.6362	1075.1052	1093.7449	1117.4722	1150.1416
3660.0	1016.4009	1020.3464	1026.0608	1044.2090	1061.7834	1079.4717	1098.4009	1122.6135	1155.8323
3670.0	1020.069	1024.0627	1029.8425	1048.1875	1065.9619	1083.8760	1103.1025	1127.8135	1161.5798
3680.0	1023.7556	1027.7981	1033.6443	1052.1921	1070.1709	1088.3171	1107.8499	1133.0696	1167.3853
3690.0	1027.463	1031.5542	1037.4673	1056.2246	1074.4128	1092.7981	1112.6462	1138.3862	1173.2490
3700.0	1031.1882	1035.3303	1041.3135	1060.2852	1078.6890	1097.3204	1117.4929	1143.7651	1179.1758
3710.0	1034.9339	1039.1270	1045.1814	1064.3726	1082.9985	1101.8823	1122.3892	1149.2053	1185.1611
3720.0	1038.7004	1042.9460	1049.0735	1068.4897	1087.3440	1106.4835	1127.3376	1154.7092	1191.2090
3730.0	1042.4863	1046.7859	1052.9880	1072.6355	1091.7241	1111.1367	1132.3391	1160.2764	1197.3186
3740.0	1046.2937	1050.6489	1056.9280	1076.8132	1096.1418	1115.8301	1137.3950	1165.9092	1203.4917
3750.0	1050.1238	1054.5352	1060.8931	1081.0220	1100.5977	1120.5691	1142.5068	1171.6091	1209.7297
3760.0	1053.9749	1058.4438	1064.8828	1085.2612	1105.0908	1125.3538	1147.6741	1177.3765	1216.0313
3770.0	1057.8489	1062.3779	1068.8997	1089.5342	1109.6250	1130.1875	1152.9004	1183.2124	1222.4004
3780.0	1061.7473	1066.3367	1072.9424	1093.8408	1114.1992	1135.0641	1158.1848	1189.1177	1228.8352
3790.0	1065.6680	1070.3206	1077.0146	1098.1816	1118.8159	1140.0027	1163.5322	1195.0959	1235.3401
3800.0	1069.6140	1074.3298	1081.1123	1102.5579	1123.4741	1144.9866	1168.9409	1201.1462	1241.9143
3810.0	1073.5835	1078.3665	1085.2400	1106.9690	1128.1770	1150.0227	1174.4119	1207.2688	1248.5569

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ENTHALPY

PRESSURE = 0.5000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1077.6791	1082.4287	1089.3967	1111.4177	1132.9233	1154.1121	1179.9465	1213.4641	1235.2703
3830.0	1081.6016	1086.5190	1093.5845	1115.9043	1137.7156	1160.2573	1185.5479	1219.7356	1242.0864
3840.0	1085.6494	1090.6392	1097.8022	1120.4287	1142.5537	1165.4568	1191.2148	1226.0423	1248.9150
3850.0	1089.7251	1094.7864	1102.0513	1124.9924	1147.4421	1170.7163	1196.9529	1232.5090	1255.8506
3860.0	1093.8289	1098.9644	1106.3330	1129.5964	1152.3774	1176.0320	1202.7583	1239.0107	1262.8574
3870.0	1097.9597	1103.1724	1110.6465	1134.2417	1157.3628	1181.4080	1208.6345	1245.5925	1269.9407
3880.0	1102.1211	1107.4102	1114.9937	1138.9294	1162.3992	1186.8447	1214.5820	1252.2551	1277.1021
3890.0	1106.3105	1111.6814	1119.3745	1143.6614	1167.4890	1192.3450	1220.6067	1259.0010	1284.3438
3900.0	1110.5303	1115.9836	1123.7930	1148.4351	1172.6306	1197.9080	1226.7024	1265.8257	1291.6604
3910.0	1114.7827	1120.3191	1128.2466	1153.2546	1177.8269	1203.5349	1232.8740	1272.7336	1319.0589
3920.0	1119.0657	1124.6887	1132.7351	1158.1204	1183.0786	1209.2283	1239.1238	1279.7273	1326.5344
3930.0	1123.3801	1129.0908	1137.2620	1163.0327	1188.3872	1214.9897	1245.4517	1286.8052	1334.0950
3940.0	1127.7290	1133.5303	1141.8279	1167.9929	1193.7537	1220.8186	1251.8591	1293.9683	1341.7363
3950.0	1132.1104	1138.0044	1146.4316	1173.0012	1199.1780	1226.7166	1258.3457	1301.2175	1349.4597
3960.0	1136.5264	1142.5161	1151.0752	1178.0610	1204.6638	1232.6877	1264.9172	1308.5571	1357.2695
3970.0	1140.9778	1147.0640	1155.7603	1183.1707	1210.2102	1238.7295	1271.5706	1315.9849	1365.1648
3980.0	1145.4644	1151.6499	1160.4854	1188.3320	1215.8186	1244.8445	1278.3071	1323.5002	1373.1443
3990.0	1149.9875	1156.2759	1165.2529	1193.5457	1221.4915	1251.0356	1285.1323	1331.1069	1381.2117
4000.0	1154.5469	1160.9407	1170.0642	1198.8145	1227.2283	1257.3018	1292.0422	1338.8054	1389.3662

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ENTHALPY

PRESSURE = 1.0000

TEMPERATURE / FUEL/AIR RATIO									
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5139
2750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
2760.0	726.1938	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0181	737.0295	740.0313	749.9114	759.5986	769.0986	778.4187	787.5620	793.8623
2800.0	738.0234	740.0457	743.0662	753.0032	762.7439	772.2964	781.6253	790.8545	797.2024
2810.0	741.0300	743.0654	746.1035	756.0974	765.8923	775.4956	784.8131	794.1511	800.5466
2820.0	744.0403	746.0876	749.1438	759.1941	769.0435	778.6980	788.1650	797.4497	803.8958
2830.0	747.0522	749.1123	752.1858	762.2939	772.1973	781.9036	791.4202	800.7517	807.2495
2840.0	750.0669	752.1394	755.2312	765.3962	775.3538	785.1121	794.6777	804.0583	810.6084
2850.0	753.0842	755.1694	758.2795	768.5020	778.5139	788.3230	797.9392	807.3672	813.9724
2860.0	756.1042	758.2019	761.3298	771.6108	781.6772	791.5383	801.2031	810.6790	817.3420
2870.0	759.1274	761.2378	764.3838	774.7222	784.8433	794.7566	804.4712	813.9951	820.7183
2880.0	762.1531	764.2759	767.4409	777.8369	788.0129	797.9783	807.7422	817.3152	824.1008
2890.0	765.1819	767.3169	770.5007	780.9546	791.1853	801.2019	811.0161	820.6399	827.4883
2900.0	768.2136	770.3616	773.5630	784.0757	794.3613	804.4304	814.2947	823.9666	830.8826
2910.0	771.2480	773.4084	776.6292	787.1997	797.5405	807.6624	817.5769	827.2988	834.2649
2920.0	774.2847	776.4587	779.6973	790.3269	800.7234	810.8975	820.8618	830.6350	837.6934
2930.0	777.3250	779.5117	782.7693	793.4585	803.9097	814.1370	824.1519	833.9749	841.1094
2940.0	780.3672	782.5676	785.8442	796.5925	807.0999	817.3789	827.4448	837.3188	844.5327
2950.0	783.4136	785.6267	788.9226	799.7305	810.2935	820.6255	830.7417	840.6687	847.9644
2960.0	786.4629	788.6895	792.0044	802.8718	813.4905	823.8760	834.0442	844.0232	851.4050
2970.0	789.5156	791.7551	795.0891	806.0166	816.6917	827.1301	837.3501	847.3813	854.8530
2980.0	792.5710	794.8245	798.1777	809.1658	819.8967	830.3894	840.6604	850.7456	858.3110
2990.0	795.6299	797.8970	801.2693	812.3176	823.1057	833.6516	843.9746	854.1147	861.7795
3000.0	798.6917	800.9724	804.3643	815.4741	826.3186	836.9189	847.2937	857.4895	865.2554
3010.0	801.7571	804.0515	807.4636	818.6343	829.5359	840.1907	850.6184	860.8706	868.7422
3020.0	804.8264	807.1348	810.5664	821.7983	832.7576	843.4673	853.9480	864.2561	872.2405
3030.0	807.8987	810.2207	813.6726	824.9666	835.9841	846.7478	857.2822	867.6439	875.7512
3040.0	810.9749	813.3110	816.7827	828.1392	839.2144	850.0330	860.6206	871.0466	879.2710
3050.0	814.0549	816.4048	819.8967	831.3159	842.4497	853.3240	863.9663	874.4526	882.8030
3060.0	817.1382	819.5029	823.0151	834.4968	845.6890	856.6194	867.3169	877.8640	886.3462
3070.0	820.2251	822.6038	826.1375	837.6829	848.9338	859.9204	870.6729	881.2827	889.9023
3080.0	823.3162	825.7087	829.2629	840.8726	852.1833	863.2261	874.0342	884.7090	893.4707
3090.0	826.4104	828.8184	832.3933	844.0676	855.4377	866.5376	877.4031	888.1421	897.0532
3100.0	829.5090	831.9321	835.5286	847.2666	858.6975	869.8550	880.7769	891.5823	900.6497
3110.0	832.6121	835.0496	838.6677	850.4712	861.9626	873.1777	884.1572	895.0313	904.2600
3120.0	835.7190	838.1724	841.8103	853.6807	865.2329	876.5063	887.5462	898.4890	907.8850
3130.0	838.8293	841.2983	844.9583	856.8953	868.5093	879.8416	890.9382	901.9551	911.5251
3140.0	841.9446	844.4290	848.1106	860.1150	871.7900	883.1829	894.3398	905.4299	915.1809
3150.0	845.0645	847.5637	851.2678	863.3391	875.0776	886.5293	897.7476	908.9126	918.8525
3160.0	848.1880	850.7039	854.4307	866.5693	878.3672	889.8838	901.1633	912.4070	922.5405
3170.0	851.3174	853.8479	857.5977	869.8052	881.6665	893.2446	904.5869	915.9097	926.2471
3180.0	854.4500	856.9978	860.7693	873.0476	884.9722	896.6123	908.0188	919.4238	929.9700
3190.0	857.5876	860.1514	863.9458	876.2939	888.2844	899.9873	911.4575	922.9475	933.7112
3200.0	860.7300	863.3108	867.1289	879.5481	891.6028	903.3694	914.9060	926.4822	937.4697
3210.0	863.8774	866.4744	870.3171	882.8074	894.9290	906.7590	918.3625	930.0286	941.2495
3220.0	867.0298	869.6448	873.5098	886.0725	898.2610	910.1570	921.8289	933.5864	945.0466
3230.0	870.1877	872.8188	876.7097	889.3455	901.6023	913.5635	925.3047	937.1567	948.8650
3240.0	873.3508	875.9993	879.9133	892.6240	904.9492	916.9771	928.7891	940.7393	952.7039
3250.0	876.5186	879.1848	883.1243	895.9092	908.3032	920.3989	932.2827	944.3347	956.5632
3260.0	879.6919	882.3765	886.3408	899.2012	911.6660	923.8308	935.7878	947.9438	960.4438
3270.0	882.8708	885.5737	889.5635	902.5010	915.0359	927.2715	939.3040	951.5669	964.3467

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ENTHALPY

PRESSURE = 1.0000

TEMPERATURE / DEGREES R	FUEL/AIR RATIO 0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	886.0162	888.7764	892.7922	905.8069	918.4143	930.7200	942.8289	955.2046	968.2729
3290.0	889.2461	891.9856	896.0271	909.1211	921.8013	934.1794	946.3667	958.8572	972.2219
[illegible]	892.4425	895.2071	[illegible]	[illegible]	925.1970	937.6477	949.9153	962.5254	976.1931
3310.0	895.6455	898.4236	902.5176	915.7717	928.6008	941.1272	953.4761	966.2095	980.1909
3320.0	898.8535	901.6511	905.7729	919.1091	932.0146	944.6157	957.0493	969.9094	984.2122
3330.0	902.0686	904.8857	909.0347	922.4548	935.4377	948.1160	960.6362	973.6289	988.2600
3340.0	905.2913	908.1287	912.3047	925.8086	938.8691	951.6267	964.2344	977.3630	992.3328
3350.0	908.5183	911.3755	915.5811	929.1707	942.3113	955.1492	967.8469	981.1165	996.4319
3360.0	911.7[illegible]	914.6316	918.8665	932.5427	945.7644	958.6833	971.4746	984.8899	1000.5581
3370.0	914.9946	917.8936	922.1580	935.9219	949.2268	962.2288	975.1147	988.6816	1004.7031
3380.0	918.2429	921.1638	925.4573	939.3118	952.6997	965.7871	978.7698	992.4944	1008.8838
3390.0	921.4980	924.4417	928.7649	942.7107	956.1838	969.3579	982.4407	996.3279	1013.0925
3400.0	924.7[illegible]	927.7268	932.0815	946.1194	959.6797	972.9424	986.1284	1000.1824	1017.3306
3410.0	928.0320	931.0198	935.4053	949.5378	963.1860	976.5398	989.8308	1004.0586	1021.5972
[illegible]	931.3113	934.3204	[illegible].7388	952.9668	966.7053	980.1509	993.5518	1007.9583	1025.8948
3430.0	934.5967	937.6306	942.0811	956.4065	970.2366	983.7769	997.2891	1011.8826	1030.2244
3440.0	937.8918	940.9485	945.4321	959.8564	973.7800	987.4172	1001.0437	1015.8301	1034.5837
3450.0	941.1938	944.2756	948.7925	963.3179	977.3374	991.0723	1004.8174	1019.8018	1038.9766
3460.0	944.5046	947.6113	952.1621	966.7903	980.9065	994.7432	1008.6096	1023.8005	1043.4011
3470.0	947.8245	950.9561	955.5420	970.2749	984.4902	998.4307	1012.4219	1027.8252	1047.8589
3480.0	951.1528	954.3096	958.9309	973.7703	988.0876	1002.1338	[illegible]6.2539	1031.8789	1052.3506
3490.0	954.4905	957.6733	962.3308	977.2798	991.6995	1005.8542	1020.1072	1035.9587	1056.8777
3500.0	957.8369	961.0466	965.7412	980.8003	995.3262	1009.5925	1023.9814	1040.0698	1061.4404
3510.0	961.1938	964.4294	969.1616	984.3337	998.9670	1013.3496	1027.8779	1044.2102	1066.0366
3520.0	964.5588	967.8230	972.5933	987.8806	1002.6243	1017.1228	1031.7964	1048.3811	1070.6704
3530.0	967.9348	971.2275	976.0374	991.4412	1006.2976	1020.9158	1035.7397	1052.5830	1075.3413
3540.0	971.3203	974.6416	979.4912	995.0156	1009.[illegible]	1024.7288	[illegible]	1056.8184	1080.0505
3550.0	974.7156	978.0671	982.9558	998.6042	1013.6929	1028.5620	1043.6970	1061.0857	1084.7971
3560.0	978.1233	981.5037	986.4353	1002.2078	1017.4167	1032.4148	1047.7134	1065.3884	1089.5838
3570.0	981.5410	984.9521	989.9253	1005.8254	1021.1584	1036.2898	1051.7563	1069.7256	1094.4082
3580.0	984.9702	988.4124	993.4285	1009.4590	1024.9182	1040.1850	1055.8249	1074.0994	1099.2739
3590.0	988.4092	991.8833	996.9446	1013.1086	1028.6963	1044.1042	1059.9243	1078.5093	1104.1797
[illegible]	991.8611	995.[illegible]	[illegible]	1016.7732	1032.4939	1048.0461	1064.0496	1082.9575	1109.1282
3610.0	995.3252	998.8652	1004.0166	1020.4563	1036.3115	1052.0122	1068.2051	1087.4458	1114.1206
[illegible]	998.8[illegible]	1002.[illegible]	1007.5730	1024.1545	1040.1489	1056.0015	1072.3899	1091.9731	1119.1561
3630.0	1002.2886	1005.8972	1011.1440	1027.8706	1044.0076	1060.0168	1076.6064	1096.5405	1124.2312
[illegible]	1005.7[illegible]	1009.[illegible]	1014.7288	1031.6042	1047.8872	1064.0562	1080.8545	1101.1506	1129.3530
3650.0	1009.3037	1012.9839	1018.3298	1035.3572	1051.7883	1068.1233	1085.1348	1105.8032	1134.5210
3660.0	1012.8303	1016.5474	[illegible]	[illegible]	1055.7131	1072.2170	1089.4687	1110.4995	1139.7361
3670.0	1016.3718	1020.1265	1025.5764	1042.9182	1059.6604	1076.3391	1093.7971	1115.2407	1144.9939
[illegible]	1019.9[illegible]	1023.[illegible]	1029.2224	1046.7280	1063.6301	1080.4885	1098.1799	1120.0266	1150.3000
3690.0	1023.4946	1027.[illegible]286	1032.8860	1050.5581	1067.6248	1084.6665	1102.5996	1124.8599	1155.6541
3700.0	1027.0791	1030.[illegible]526	1036.5662	1054.4084	1071.6450	1088.8772	1107.0574	1129.7419	1161.0596
3710.0	1030.6772	1034.[illegible]920	1040.2632	1058.2805	1075.6895	1093.1162	1111.5508	1134.6711	1166.5112
[illegible]	1034.2[illegible]	1038.[illegible]	[illegible].9775	1062.1743	1079.7625	1097.3875	[illegible]	1139.6509	1172.0169
3730.0	1037.9202	1041.[illegible]199	1047.7102	1066.0896	1083.8596	1101.6909	1120.6587	1144.6797	1177.5688
3740.0	1041.5662	1045.6106	1051.4609	1070.0278	1087.9851	1106.0276	[illegible]25.2725	1149.7610	1183.1743
3750.0	1045.2278	1049.3181	1055.2307	1073.9902	1092.1392	1110.3994	1129.9294	1154.8943	1188.8342
3760.0	1048.9060	1053.0413	1059.0188	1077.9746	1096.3206	1114.8040	[illegible]34.6277	1160.0801	1194.5439
3770.0	1052.6013	1056.[illegible]842	1062.8271	1081.9849	1100.5330	1119.2451	1139.[illegible]701	1165.3215	1200.3088
3780.0	1056.3[illegible]	1060.5457	1066.[illegible]	[illegible].0195	1104.7749	1123.7229	[illegible]	1170.6174	1206.1286
3790.0	1060.0[illegible]39	1064.[illegible]254	1070.5051	1090.0803	1109.0479	1128.2383	1148.[illegible]922	1175.9722	1212.0039
3800.0	1063.7[illegible]	1068.1250	1074.[illegible]	[illegible].1665	1113.3540	1132.7922	[illegible]	1181.3826	1217.9370
3810.0	1067.5610	1071.9448	1078.2664	1098.2793	1117.6907	1137.3848	1158.[illegible]018	1186.8506	1223.9246

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ENTHALPY

PRESSURE = 1.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1071.3469	1075.7844	1082.1797	1103.4194	1122.0605	1142.0171	1163.7791	1192.3782	1220.9692
3830.0	1075.1536	1079.6445	1086.1147	1106.5886	1126.4651	1146.6909	1168.8066	1197.9641	1226.0730
3840.0	1078.9788	1083.5256	1090.0728	1110.7854	1130.9036	1151.4060	1173.8848	1203.6133	1242.2351
3850.0	1082.8250	1087.4287	1094.0567	1115.0125	1135.3782	1156.1650	1179.0164	1209.3257	1248.4604
3860.0	1086.6924	1091.3538	1098.0610	1119.2690	1139.8901	1160.9680	1184.1995	1215.0986	1254.7436
3870.0	1090.5796	1095.3005	1102.0918	1123.5566	1144.4377	1165.8145	1189.4380	1220.9363	1261.0874
3880.0	1094.4890	1099.2708	1106.1467	1127.8743	1149.0227	1170.7070	1194.7314	1226.8381	1267.4946
3890.0	1098.4202	1103.2646	1110.2285	1132.2246	1153.6482	1175.6484	1200.0820	1232.8064	1273.9658
3900.0	1102.3750	1107.2832	1114.3352	1136.6077	1158.3123	1180.6350	1205.4895	1238.8403	1280.4990
3910.0	1106.3516	1111.3252	1118.4685	1141.0232	1163.0171	1185.6714	1210.9541	1244.9407	1287.0962
3920.0	1110.3523	1115.3938	1122.6287	1145.4736	1167.7639	1190.7576	1216.4802	1251.1099	1293.7595
3930.0	1114.3765	1119.4851	1126.8171	1149.9592	1172.5520	1195.8945	1222.0664	1257.3489	1300.4897
3940.0	1118.4260	1123.6050	1131.0344	1154.4797	1177.3850	1201.0835	1227.7141	1263.6567	1307.2847
3950.0	1122.4993	1127.7510	1135.2798	1159.0366	1182.2607	1206.3235	1233.4241	1270.0337	1314.1465
3960.0	1126.5996	1131.9226	1139.5562	1161.6316	1187.1807	1211.6194	1239.1997	1276.4844	1321.0796
3970.0	1130.7244	1136.1243	1143.8611	1168.2639	1192.1484	1216.9700	1245.0398	1283.0073	1328.0808
3980.0	1134.8765	1140.3525	1148.1978	1172.9343	1197.1619	1222.3757	1250.9443	1289.6011	1335.1497
3990.0	1139.0547	1144.6111	1152.5649	1177.6440	1202.2229	1227.8396	1256.9170	1296.2712	1342.2898
4000.0	1143.2617	1148.8975	1156.9648	1182.3938	1207.3330	1233.3608	1262.9578	1303.0149	1349.5022

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ENTHALPY

PRESSURE = 1.5000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3918	777.5159
2750.0	723.2593	725.2249	728.1597	737.8147	747.2459	756.5732	765.6841	774.6226	780.7798
2760.0	726.1938	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8538	753.4719	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4068	787.5488	793.8479
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	743.8237	745.8684	748.9219	758.9688	768.8203	778.4817	787.9604	797.2598	803.6653
2830.0	746.8345	748.8921	751.9626	762.0659	771.9709	781.6846	791.2107	800.5562	807.0085
2840.0	749.8479	751.9175	755.0056	765.1655	775.1245	784.8889	794.4653	803.8562	810.3569
2850.0	752.8633	754.9448	758.0515	768.2686	778.2803	788.0972	797.7219	807.1599	813.7090
2860.0	755.8811	757.9753	761.0999	771.3738	781.4399	791.3076	800.9807	810.4663	817.0667
2870.0	758.9026	761.0085	764.1511	774.4822	784.6023	794.5217	804.2439	813.7746	820.4297
2880.0	761.9255	764.0449	767.2053	777.5935	787.7676	797.7390	807.5095	817.0901	823.7974
2890.0	764.9517	767.0830	770.2620	780.7073	790.9360	800.9583	810.7795	820.4077	827.1704
2900.0	767.9805	770.1250	773.3213	783.8245	794.1079	804.1821	814.0513	823.7273	830.5500
2910.0	771.0122	773.1692	776.3840	786.9451	797.2827	807.4077	817.3276	827.0513	833.9343
2920.0	774.0469	776.2161	779.4495	790.0686	800.4604	810.6375	820.6064	830.3787	837.3257
2930.0	777.0842	779.2659	782.5176	793.1948	803.6416	813.8711	823.8894	833.7107	840.7227
2940.0	780.1240	782.3198	785.5896	796.3247	806.8262	817.1082	827.1755	837.0461	844.1274
2950.0	783.1670	785.3745	788.6641	799.4580	810.0139	820.3481	830.4661	840.3862	847.5391
2960.0	786.2136	788.4341	791.7412	802.5942	813.2056	823.5920	833.7593	843.7300	850.9561
2970.0	789.2622	791.4958	794.8223	805.7336	816.4009	826.8394	837.0579	847.0786	854.3826
2980.0	792.3142	794.5610	797.9065	808.8772	819.5994	830.0908	840.3591	850.4312	857.8164
2990.0	795.3691	797.6294	800.9937	812.0242	822.8020	833.3459	843.6650	853.7888	861.2573
3000.0	798.4272	800.7007	804.0842	815.1743	826.0078	836.6047	846.9746	857.1511	864.7073
3010.0	801.4885	803.7754	807.1782	818.3286	829.2183	839.8689	850.2893	860.5186	868.1655
3020.0	804.5535	806.8535	810.2756	821.4861	832.4319	843.1360	853.6086	863.8914	871.6350
3030.0	807.6213	809.9351	813.3767	824.6475	835.6499	846.4070	856.9314	867.2688	875.1118
3040.0	810.6926	813.0198	816.4810	827.8130	838.8713	849.6833	860.2593	870.6519	878.5979
3050.0	813.7673	816.1084	819.5891	830.9824	842.0981	852.9639	863.5923	874.0420	882.0962
3060.0	816.8453	819.2004	822.7014	834.1558	845.3291	856.2488	866.9307	877.4363	885.6047
3070.0	819.9275	822.2959	825.8162	837.3330	848.5640	859.5383	870.2732	880.8364	889.1230
3080.0	823.0112	825.3948	828.9360	840.5146	851.8035	862.8328	873.6208	884.2434	892.6533
3090.0	826.1006	828.4985	832.0591	843.7004	855.0469	866.1321	876.9749	887.6567	896.1931
3100.0	829.1934	831.6050	835.1863	846.8904	858.2959	869.4363	880.3333	891.0764	899.7468
3110.0	832.2888	834.7153	838.3176	850.0852	861.5491	872.7456	883.6975	894.5034	903.3118
3120.0	835.3894	837.8298	841.4529	853.2847	864.8074	876.0608	887.0674	897.9373	906.8914
3130.0	838.4927	840.9485	844.5925	856.4880	868.0708	879.3809	890.4448	901.3794	910.4829
3140.0	841.6008	844.0710	847.7366	859.6968	871.3401	882.7068	893.8274	904.8284	914.0872
3150.0	844.7122	847.1978	850.8840	862.9104	874.6128	886.0378	897.2158	908.2856	917.7070
3160.0	847.8276	850.3293	854.0364	866.1287	877.8923	889.3755	900.6111	911.7505	921.3394
3170.0	850.9478	853.4639	857.1931	869.3518	881.1768	892.7192	904.0137	915.2244	924.9885
3180.0	854.0725	856.6035	860.3552	872.5803	884.4675	896.0684	907.4231	918.7068	928.6521
3190.0	857.2007	859.7476	863.5210	875.8135	887.7634	899.4236	910.8389	922.1985	932.3318
3200.0	860.3337	862.8965	866.6926	879.0532	891.0654	902.7869	914.2627	925.6992	936.0269
3210.0	863.4714	866.0500	869.8684	882.2979	894.3733	906.1560	917.6934	929.2092	939.7393
3220.0	866.6138	869.2083	873.0491	885.5481	897.6873	909.5315	921.1328	932.7295	943.4683
3230.0	869.7600	872.3716	876.2354	888.8040	901.0085	912.9153	924.5806	936.2610	947.2161
3240.0	872.9114	875.5393	879.4260	892.0644	904.3354	916.3047	928.0359	939.8022	950.9800
3250.0	876.0674	878.7119	882.6226	895.3337	907.6685	919.7026	931.5002	943.3547	954.7646
3260.0	879.2285	881.8899	885.8245	898.6074	911.0090	923.1072	934.9724	946.9187	958.5657
3270.0	882.3948	885.0732	889.0315	901.8884	914.3572	926.5215	938.4543	950.4956	962.3882

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PRESSURE = 1.5000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	885.5657	888.2620	892.2451	905.1748	917.7119	929.9419	941.9456	954.0833	966.2295
3290.0	888.7419	891.4556	895.4631	908.4673	921.0735	933.3711	945.4463	957.6841	970.0911
3300.0	891.9236	894.6553	898.6882	911.7678	924.4434	936.8093	948.9570	961.2941	973.9734
3310.0	895.1108	897.8608	901.9192	915.0750	927.8208	940.2561	952.4780	964.9263	977.8779
3320.0	898.3035	901.0718	905.1556	918.3884	931.2065	943.7122	956.0100	968.5676	981.8030
3330.0	901.5024	904.2888	908.3974	921.7095	934.6003	947.1746	959.5527	972.2246	985.7524
3340.0	904.7063	907.5115	911.6470	925.0381	938.0022	950.6487	963.1062	975.8948	989.7234
3350.0	907.9160	910.7412	914.9031	928.3745	941.4124	954.1331	966.6716	979.5811	993.7170
3360.0	911.1331	913.9763	918.1654	931.7183	944.8305	957.6282	970.2495	983.2859	997.7361
3370.0	914.3550	917.2180	921.4343	935.0701	948.2605	961.1328	973.8389	987.0039	1001.7786
3380.0	917.5830	920.4658	924.7117	938.4299	951.6980	964.6479	977.4404	990.7407	1005.8457
3390.0	920.8179	923.7209	927.9986	941.7983	955.1453	968.1741	981.0557	994.4944	1009.9375
3400.0	924.0586	926.9834	931.2852	945.1748	958.6021	971.7122	984.6846	998.2666	1014.0564
3410.0	927.3076	930.2520	934.5828	948.5610	962.0691	975.2605	988.3264	1002.0566	1018.2012
3420.0	930.5620	933.5278	937.8889	951.9561	965.5461	978.8220	991.9839	1005.8672	1022.3724
3430.0	933.8230	936.8118	941.2046	955.3584	969.0344	982.3960	995.6553	1009.6975	1026.5718
3440.0	937.0923	940.1021	944.5237	958.7712	972.5330	985.9810	999.3418	1013.5481	1030.7998
3450.0	940.3684	943.4006	947.8535	962.1936	976.0425	989.5798	1003.0442	1017.4209	1035.0461
3460.0	943.6521	946.7073	951.1909	965.6262	979.5632	993.1924	1006.7627	1021.3140	1039.3298
3470.0	946.9434	950.0220	954.5371	969.0684	983.0967	996.8174	1010.4973	1025.2297	1043.6418
3480.0	950.2422	953.3438	957.8921	972.5212	986.6411	1000.4568	1014.2490	1029.1692	1047.9844
3490.0	953.5491	956.6750	961.2559	975.9849	990.1990	1004.1111	1018.0186	1033.1335	1052.3591
3500.0	956.8633	960.0146	964.6292	979.4597	993.7686	1007.7798	1021.8064	1037.1221	1056.7634
3510.0	960.1870	963.3611	968.0107	982.9446	997.3516	1011.4648	1025.6130	1041.1353	1061.1992
3520.0	963.5188	966.7185	971.4026	986.4412	1000.9473	1015.1646	1029.4375	1045.1748	1065.6670
3530.0	966.8584	970.0845	974.8052	989.9504	1004.5576	1018.8809	1033.2837	1049.2422	1070.1685
3540.0	970.2078	973.4595	978.2158	993.4700	1008.1812	1022.6130	1037.1492	1053.3362	1074.7034
3550.0	973.5649	976.8445	981.6372	997.0024	1011.8193	1026.3630	1041.0352	1057.4583	1079.2717
3560.0	976.9324	980.2383	985.0693	1000.5474	1015.4722	1030.1304	1044.9429	1061.6091	1083.8743
3570.0	980.3098	983.6426	988.5125	1004.1055	1019.1404	1033.9158	1048.8728	1065.7905	1088.5125
3580.0	983.6960	987.0579	991.9668	1007.6770	1022.8240	1037.7188	1052.8254	1070.0029	1093.1865
3590.0	987.0916	990.4822	995.4299	1011.2612	1026.5232	1041.5415	1056.8020	1074.2461	1097.8955
3600.0	990.4976	993.9170	998.9043	1014.8599	1030.2390	1045.3831	1060.8013	1078.5220	1102.6423
3610.0	993.9141	997.3640	1002.3916	1018.4724	1033.9724	1049.2456	1064.8262	1082.8320	1107.4275
3620.0	997.3411	1000.8213	1005.8911	1022.0994	1037.7217	1053.1282	1068.8755	1087.1746	1112.2500
3630.0	1000.7788	1004.2910	1009.4053	1025.7415	1041.4900	1057.0313	1072.9521	1091.5522	1117.1118
3640.0	1004.2278	1007.7700	1012.9297	1029.3984	1045.2747	1060.9558	1077.0547	1095.9658	1122.0117
3650.0	1007.6877	1011.2629	1016.4670	1033.0708	1049.0793	1064.9038	1081.1855	1100.4165	1126.9526
3660.0	1011.1584	1014.7668	1020.0184	1036.7595	1052.9026	1068.8740	1085.3433	1104.9045	1131.9338
3670.0	1014.6416	1018.2832	1023.5811	1040.4648	1056.7454	1072.8684	1089.5313	1109.4304	1136.9575
3680.0	1018.1355	1021.8132	1027.1572	1044.1855	1060.6082	1076.8850	1093.7478	1113.9954	1142.0200
3690.0	1021.6433	1025.3555	1030.7483	1047.9246	1064.4907	1080.9280	1097.9951	1118.5996	1147.1270
3700.0	1025.1624	1028.9104	1034.3538	1051.6812	1068.3953	1084.9951	1102.2749	1123.2471	1152.2773
3710.0	1028.6948	1032.4797	1037.9731	1055.4551	1072.3206	1089.0889	1106.5859	1127.9341	1157.4705
3720.0	1032.2405	1036.0635	1041.6089	1059.2480	1076.2686	1093.2090	1110.9297	1132.6658	1162.7090
3730.0	1035.7983	1039.6594	1045.2581	1063.0583	1080.2395	1097.3562	1115.3071	1137.4399	1167.9919
3740.0	1039.3721	1043.2717	1048.9243	1066.8894	1084.2327	1101.5315	1119.7192	1142.2585	1173.3203
3750.0	1042.9585	1046.8979	1052.6060	1070.7410	1088.2507	1105.7361	1124.1677	1147.1238	1178.6968
3760.0	1046.5581	1050.5393	1056.3017	1074.6104	1092.2905	1109.9678	1128.6501	1152.0342	1184.1179
3770.0	1050.1733	1054.1958	1060.0186	1078.5015	1096.3579	1114.2314	1133.1714	1156.9915	1189.5879
3780.0	1053.8032	1057.8689	1063.7500	1082.4141	1100.4500	1118.5259	1137.7300	1161.9963	1195.1052
3790.0	1057.4485	1061.5569	1067.4990	1086.3474	1104.5681	1122.8513	1142.3284	1167.0522	1200.6743
3800.0	1061.1094	1065.2622	1071.2646	1090.3044	1108.7134	1127.2097	1146.9668	1172.1580	1206.2913
3810.0	1064.7859	1068.9841	1075.0515	1094.2822	1112.8850	1131.5999	1151.6448	1177.3140	1211.9583

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PRESSURE = 1.5000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1068.4775	1072.7231	1078.8545	1098.2837	1117.0847	1136.0247	1156.3643	1182.5200	1217.6772
3830.0	1072.1863	1076.4795	1082.6770	1102.3101	1121.3130	1140.4836	1161.1265	1187.7800	1223.4468
3840.0	1075.9121	1080.2539	1086.5195	1106.3582	1125.7710	1144.9785	1165.9319	1193.0913	1229.2683
3850.0	1079.6555	1084.0469	1090.3811	1110.4333	1129.8589	1149.5093	1170.7832	1198.4595	1235.1453
3860.0	1083.4163	1087.8584	1094.2617	1114.5327	1134.1775	1154.0774	1175.6777	1203.8811	1241.0735
3870.0	1087.1941	1091.6882	1098.1658	1118.6577	1138.5264	1158.6826	1180.6191	1209.3589	1247.0586
3880.0	1090.9910	1095.5378	1102.0884	1122.8083	1142.9084	1163.3267	1185.6079	1214.8936	1253.0955
3890.0	1094.8069	1099.4082	1106.0352	1126.9880	1147.3230	1168.0110	1190.6460	1220.4863	1259.1902
3900.0	1098.6409	1103.2991	1110.0027	1131.1941	1151.7717	1172.7354	1195.7317	1226.1370	1265.3411
3910.0	1102.4954	1107.2090	1113.9919	1135.4275	1156.2527	1177.5002	1200.8672	1231.8459	1271.5481
3920.0	1106.3684	1111.1406	1118.0046	1139.6907	1160.7693	1182.3079	1206.0540	1237.6162	1277.8137
3930.0	1110.2622	1115.0938	1122.0408	1143.9832	1165.3218	1187.1587	1211.2937	1243.4468	1284.1377
3940.0	1114.1772	1119.0701	1126.1013	1148.3057	1169.9111	1192.0530	1216.5857	1249.3394	1290.5205
3950.0	1118.1128	1123.0676	1130.1860	1152.6577	1174.5369	1196.9915	1221.9307	1255.2925	1296.9617
3960.0	1122.0694	1127.0876	1134.2954	1157.0420	1179.2009	1201.9768	1227.3328	1261.3113	1303.4656
3970.0	1126.0486	1131.1326	1138.4304	1161.4580	1183.9036	1207.0083	1232.7896	1267.3933	1310.0305
3980.0	1130.0505	1135.2004	1142.5911	1165.9055	1188.6458	1212.0864	1238.3025	1273.5381	1316.6563
3990.0	1134.0745	1139.2930	1146.7776	1170.3870	1193.4287	1217.2144	1243.8738	1279.7502	1323.3440
4000.0	1138.1230	1143.4094	1150.9912	1174.9031	1198.2524	1222.3914	1249.5042	1286.0291	1330.0957

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PRESSURE = 2.0000

ENTHALPY

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.1294	722.1795	725.1975	734.7991	744.2141	751.4486	762.5066	771.3918	777.5159
2750.0	723.2593	725.2249	728.1597	737.8167	747.2869	756.5732	765.6841	774.6226	780.7798
2760.0	726.1916	728.1704	731.1223	740.8347	750.3544	759.6990	768.8023	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0642	734.0641	737.0503	746.8738	756.5086	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4046	787.5488	793.8479
2800.0	737.9419	739.9670	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7343	775.3467	784.7722	794.0190	800.3899
2820.0	743.8214	745.8665	748.9199	758.9663	768.8116	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7071	751.7717	754.8608	765.0190	774.9882	784.7495	794.3335	803.7363	810.2131
2850.0	752.7031	754.8279	757.8279	768.1016	778.1117	787.9377	797.5718	807.0210	813.5417
2860.0	755.7205	757.8115	760.9344	771.2056	781.2734	791.1460	800.8289	810.3242	816.8918
2870.0	758.7395	760.8438	763.9836	774.3118	784.4438	794.3572	804.0881	813.6304	820.2468
2880.0	761.7612	763.8779	767.0349	777.4207	787.5981	797.5710	807.3511	816.9402	823.6084
2890.0	764.7861	766.9148	770.0913	780.5332	790.7677	800.7881	810.6167	820.2534	826.9695
2900.0	767.8135	769.9548	773.1492	783.6475	793.9314	804.0078	813.8857	823.5686	830.3401
2910.0	770.8430	772.9968	776.2097	786.7654	797.1033	807.2317	817.1577	826.8882	833.7146
2920.0	773.8770	776.0427	779.2732	789.8862	800.2781	810.4580	820.4329	830.2104	837.0940
2930.0	776.9114	779.0906	782.3394	793.0103	803.4541	813.6877	823.7122	833.5369	840.4807
2940.0	779.9497	782.1414	785.4080	796.1372	806.6332	816.9199	826.9961	836.8669	843.8726
2950.0	782.9912	785.1951	788.4810	799.2676	809.8220	820.1565	830.2791	840.2009	847.2717
2960.0	786.0342	788.2522	791.5559	802.4006	813.0094	823.3965	833.5686	843.5378	850.6763
2970.0	789.0820	791.3115	794.6343	805.5371	816.2012	826.6396	836.8613	846.8806	854.0889
2980.0	792.1318	794.3743	797.7158	808.6775	819.3965	829.8865	840.1577	850.2268	857.5073
2990.0	795.1841	797.4399	800.8000	811.8203	822.5940	833.1370	843.4580	853.5774	860.9333
3000.0	798.2410	800.5086	803.8885	814.9670	825.7944	836.3908	846.7622	856.9316	864.3669
3010.0	801.2991	803.5806	806.9785	818.1172	829.0012	839.6489	850.0706	860.2913	867.8079
3020.0	804.3608	806.6563	810.0723	821.2710	832.2187	842.9111	853.3833	863.6565	871.2581
3030.0	807.4255	809.7339	813.1704	824.4280	835.4421	846.1765	856.7000	867.0242	874.7153
3040.0	810.4941	812.8159	816.2710	827.5889	838.6604	849.4465	860.0205	870.3976	878.1824
3050.0	813.5659	815.9011	819.3750	830.7544	841.8621	852.7209	863.3462	873.7776	881.6594
3060.0	816.6409	818.9880	822.4814	833.9226	845.0824	855.9998	866.6765	877.1621	885.1450
3070.0	819.7188	822.0811	825.5952	837.0950	848.3167	859.2825	870.0107	880.5513	888.6392
3080.0	822.8000	825.1763	828.7107	840.2708	851.5483	862.5696	873.3501	883.9470	892.1460
3090.0	825.8860	828.2759	831.8298	843.4517	854.7861	865.8601	876.6946	887.3479	895.6619
3100.0	828.9739	831.3784	834.9519	846.6362	858.0251	869.1575	880.0442	890.7558	899.1877
3110.0	832.0664	834.4846	838.0786	849.8250	861.2742	872.4585	883.3949	894.1694	902.7266
3120.0	835.1619	837.5947	841.2085	853.0176	864.5286	875.7654	886.7508	897.5884	906.2756
3130.0	838.2612	840.7087	844.3425	856.2148	867.7810	879.0762	890.1248	901.0161	909.8367
3140.0	841.3643	843.8264	847.4812	859.4167	871.0417	882.3931	893.4963	904.4504	913.4099
3150.0	844.4717	846.9478	850.6233	862.6226	874.3071	885.7141	896.8730	907.8904	916.9956
3160.0	847.5818	850.0735	853.7698	865.8335	877.5749	889.0404	900.2559	911.3391	920.5959
3170.0	850.6970	853.2031	856.9211	869.0493	880.8523	892.3735	903.6453	914.7944	924.2085
3180.0	853.8164	856.3367	860.0762	872.2703	884.1338	895.7119	907.0413	918.2576	927.8347
3190.0	856.9392	859.4751	863.2354	875.4951	887.4194	899.0559	910.4428	921.7300	931.4761
3200.0	860.0654	862.6172	866.3997	878.7258	890.7114	902.4064	913.8516	925.2100	935.1318
3210.0	863.1973	865.7642	869.5686	881.9607	894.0081	905.7625	917.2676	928.6985	938.8022
3220.0	866.3330	868.9155	872.7417	885.2014	897.3113	909.1250	920.6904	932.1965	942.4888
3230.0	869.4727	872.0713	875.9204	888.4442	900.6201	912.4944	924.1211	935.7041	946.1921
3240.0	872.6165	875.2310	879.1030	891.6892	903.9341	915.8696	927.5581	939.2205	949.9089
3250.0	875.7661	878.3962	882.2900	894.9561	907.2556	919.2517	931.0034	942.7476	953.6460
3260.0	878.9189	881.5642	885.4832	898.2195	910.5845	922.6414	934.4570	946.2842	957.3982
3270.0	882.0776	884.7407	888.6814	901.4880	913.9172	926.0378	937.9187	949.8320	961.1692

ENTHALPY

PRESSURE = 2.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	885.2405	887.9209	891.8845	904.7625	917.2571	929.4417	941.3884	953.3896	964.9573
3290.0	888.4080	891.1057	895.0930	908.0425	920.6042	932.8530	944.8672	956.9602	968.7642
3300.0	891.5808	894.2954	898.3071	911.3301	923.9578	936.2722	948.3547	960.5405	972.5913
3310.0	894.7593	897.4907	901.5269	914.6230	927.3186	939.7000	951.8521	964.1355	976.4368
3320.0	897.9421	900.6917	904.7517	917.9226	930.6875	943.1350	955.3582	967.7410	980.3025
3330.0	901.1299	903.8972	907.9829	921.2290	934.0632	946.5793	958.8745	971.3606	984.1897
3340.0	904.3237	907.1089	911.2200	924.5420	937.4468	950.0315	962.4014	974.9927	988.0959
3350.0	907.5234	910.3264	914.4624	927.8625	940.8379	953.4924	965.9373	978.6382	992.0244
3360.0	910.7278	913.5503	917.7128	931.1902	944.2373	956.9616	969.4858	982.2996	995.9749
3370.0	913.9382	916.7793	920.9675	934.5237	947.6453	960.4429	973.0439	985.9746	999.9470
3380.0	917.1541	920.0144	924.2299	937.8660	951.0610	963.9324	976.6135	989.6648	1003.9426
3390.0	920.3765	923.2563	927.4978	941.2153	954.4854	967.4309	980.1943	993.3708	1007.9604
3400.0	923.6047	926.5027	930.7729	944.5728	957.9192	970.9412	983.7881	997.0925	1012.0032
3410.0	926.8391	929.7568	934.0549	947.9377	961.3616	974.4600	987.3936	1000.8313	1016.0676
3420.0	930.0796	933.0183	937.3436	951.3115	964.8137	977.9907	991.0122	1004.5872	1020.1592
3430.0	933.3267	936.2856	940.6390	954.6931	968.2749	981.5325	994.6450	1008.3613	1024.2749
3440.0	936.5796	939.5598	943.9429	958.0835	971.7463	985.0859	998.2900	1012.1528	1028.4163
3450.0	939.8401	942.8413	947.2542	961.4822	975.2275	988.6499	1001.9487	1015.9636	1032.5840
3460.0	943.1064	946.1296	950.5715	964.8896	978.7190	992.2258	1005.6216	1019.7935	1036.7783
3470.0	946.3804	949.4260	953.8987	968.3071	982.2212	995.8140	1009.3105	1023.6440	1040.9995
3480.0	949.6611	952.7285	957.2327	971.7341	985.7341	999.4153	1013.0134	1027.5146	1045.2485
3490.0	952.9502	956.0396	960.5750	975.1699	989.2585	1003.0293	1016.7329	1031.4075	1049.5249
3500.0	956.2461	959.3582	963.9248	978.6157	992.7939	1006.6575	1020.4665	1035.3215	1053.8313
3510.0	959.5486	962.6846	967.2837	982.0718	996.3413	1010.2986	1024.2202	1039.2583	1058.1587
3520.0	962.8596	966.0188	970.6500	985.5378	999.9001	1013.9526	1027.9885	1043.2173	1062.5222
3530.0	966.1787	969.3630	974.0248	989.0156	1003.4717	1017.6228	1031.7751	1047.2019	1066.9155
3540.0	969.5046	972.7136	977.4126	992.5027	1007.0559	1021.3084	1035.5726	1051.2095	1071.3406
3550.0	972.8401	976.0735	980.8074	996.0012	1010.6523	1025.0063	1039.4019	1055.2437	1075.7959
3560.0	976.1833	979.4424	984.2119	999.5115	1014.2625	1028.7217	1043.2446	1059.3027	1080.2827
3570.0	979.5361	982.8203	987.6258	1003.0327	1017.8862	1032.4524	1047.1057	1063.3884	1084.8018
3580.0	982.8960	986.2073	991.0488	1006.5662	1021.5242	1036.1995	1050.9885	1067.5017	1089.3547
3590.0	986.2656	989.6028	994.4822	1010.1108	1025.1753	1039.9636	1054.8901	1071.6431	1093.9392
3600.0	989.6448	993.0095	997.9264	1013.6687	1028.8425	1043.7451	1058.8140	1075.8135	1098.5583
3610.0	993.0320	996.4258	1001.3813	1017.2405	1032.5244	1047.5452	1062.7603	1080.0137	1103.2124
3620.0	996.4297	999.8508	1004.8459	1020.8230	1036.2207	1051.3628	1066.7275	1084.2437	1107.9016
3630.0	999.8374	1003.2874	1008.3225	1024.4204	1039.9333	1055.1995	1070.7190	1088.5049	1112.6257
3640.0	1003.2534	1006.7341	1011.8101	1028.0305	1043.6616	1059.0549	1074.7339	1092.7983	1117.3850
3650.0	1006.6804	1010.1921	1015.3098	1031.6550	1047.4072	1062.9302	1078.7732	1097.1243	1122.1829
3660.0	1010.1172	1013.6592	1018.8196	1035.2944	1051.1694	1066.8259	1082.8376	1101.4836	1127.0171
3670.0	1013.5664	1017.1389	1022.3429	1038.9480	1054.9492	1070.7434	1086.9285	1105.8779	1131.8896
3680.0	1017.0249	1020.6294	1025.8760	1042.6155	1058.7468	1074.6804	1091.0447	1110.3057	1136.7993
3690.0	1020.4944	1024.1319	1029.4241	1046.2991	1062.5618	1078.6396	1095.1868	1114.7703	1141.7488
3700.0	1023.9761	1027.6460	1032.9849	1049.9985	1066.3972	1082.6223	1099.3586	1119.2720	1146.7390
3710.0	1027.4685	1031.1729	1036.5579	1053.7136	1070.2502	1086.6267	1103.5576	1123.8118	1151.7678
3720.0	1030.9721	1034.7119	1040.1453	1057.4456	1074.1235	1090.6560	1107.7876	1128.3889	1156.8379
3730.0	1034.4880	1038.2627	1043.7449	1061.1936	1078.0171	1094.7085	1112.0457	1133.0049	1161.9490
3740.0	1038.0176	1041.8276	1047.3599	1064.9602	1081.9304	1098.7864	1116.3352	1137.6614	1167.1025
3750.0	1041.5581	1045.4055	1050.9878	1068.7427	1085.8660	1102.8892	1120.6563	1142.3591	1172.2991
3760.0	1045.1118	1048.9958	1054.6311	1072.5444	1089.8218	1107.0176	1125.0083	1147.0979	1177.5371
3770.0	1048.6785	1052.6013	1058.2893	1076.3633	1093.8008	1111.1733	1129.3945	1151.8799	1182.8198
3780.0	1052.2574	1056.2207	1061.9631	1080.2017	1097.8013	1115.3580	1133.8142	1156.7043	1188.1465
3790.0	1055.8518	1059.8545	1065.6523	1084.0591	1101.8262	1119.5667	1138.2681	1161.5742	1193.5198
3800.0	1059.4597	1063.5020	1069.3569	1087.9370	1105.8745	1123.8064	1142.7583	1166.4897	1198.9382
3810.0	1063.0806	1067.1653	1073.0779	1091.8342	1109.9468	1128.0752	1147.2842	1171.4490	1204.4023

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ENTHALPY

PRESSURE = 2.0000

TEMPERATURE / FUEL/AIR RATIO									
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1066.7168	1070.8433	1076.8147	1095.7517	1114.0435	1132.3738	1151.8464	1176.4563	1209.9124
3830.0	1070.3672	1074.5381	1080.5698	1099.6907	1118.1660	1136.7026	1156.4470	1181.5105	1215.4712
3840.0	1074.0334	1078.2485	1084.3408	1103.6506	1122.3147	1141.0635	1161.0854	1186.6125	1221.0762
3850.0	1077.7146	1081.9739	1088.1306	1107.6326	1126.4895	1145.4563	1165.7644	1191.7656	1226.7327
3860.0	1081.4106	1085.7173	1091.9387	1111.6379	1130.6917	1149.8823	1170.4829	1196.9666	1232.4365
3870.0	1085.1228	1089.4773	1095.7634	1115.6653	1134.9214	1154.3411	1175.2432	1202.2188	1238.1902
3880.0	1088.8518	1093.2546	1099.6074	1119.7161	1139.1794	1158.8337	1180.0454	1207.5239	1243.9941
3890.0	1092.5969	1097.0498	1103.4724	1123.7915	1143.4673	1163.3630	1184.8914	1212.8813	1249.8518
3900.0	1096.3599	1100.8628	1107.3560	1127.8911	1147.7827	1167.9272	1189.7800	1218.2908	1255.7595
3910.0	1100.1394	1104.6941	1111.2588	1132.0142	1152.1309	1172.5276	1194.7129	1223.7539	1261.7190
3920.0	1103.9365	1108.5449	1115.1821	1136.1643	1156.5081	1177.1663	1199.6929	1229.2727	1267.7319
3930.0	1107.7522	1112.4143	1119.1260	1140.3398	1160.9177	1181.8428	1204.7185	1234.8474	1273.7991
3940.0	1111.5857	1116.3027	1123.0923	1144.5422	1165.3599	1186.5581	1209.7915	1240.4778	1279.9199
3950.0	1115.4387	1120.2114	1127.0793	1148.7717	1169.8342	1191.3125	1214.9128	1246.1636	1286.0940
3960.0	1119.3101	1124.1409	1131.0889	1153.0291	1174.3428	1196.1091	1220.0845	1251.9094	1292.3269
3970.0	1123.2012	1128.0920	1135.1211	1157.3145	1178.8862	1200.9463	1225.3052	1257.7134	1298.6150
3980.0	1127.1121	1132.0618	1139.1760	1161.6282	1183.4634	1205.8252	1230.5762	1263.5757	1304.9578
3990.0	1131.0427	1136.0542	1143.2542	1165.9714	1188.0771	1210.7473	1235.8999	1269.4980	1311.3601
4000.0	1134.9956	1140.0696	1147.3560	1170.3457	1192.7263	1215.7139	1241.2766	1275.4817	1317.8203

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PRESSURE = 2.5000

TEMPERATURE / DEGREES R	FUEL/AIR RATIO 0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2700.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2710.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
2720.0	726.1938	728.1714	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2730.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8299	772.0417	781.0830	787.3110
2740.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5786
2750.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2760.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2770.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2780.0	743.8218	745.8665	748.9199	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
2790.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2800.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2810.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2820.0	755.5933	757.6838	760.8049	771.0752	781.1460	791.0234	800.7131	810.2192	816.7681
2830.0	758.6123	760.7146	763.8538	774.1802	784.3044	794.2329	803.9709	813.5225	820.1172
2840.0	761.6328	763.7478	766.9060	777.2878	787.4651	797.4448	807.2314	816.8296	823.4705
2850.0	764.6570	766.7839	769.9585	780.3979	790.6294	800.6599	810.4951	820.1394	826.8286
2860.0	767.6836	769.8218	773.0149	783.5112	793.7969	803.8774	813.7615	823.4524	830.1917
2870.0	770.7122	772.8635	776.0745	786.6274	796.9661	807.0984	817.0310	826.7683	833.5593
2880.0	773.7429	775.9072	779.1362	789.7461	800.1384	810.3228	820.3035	830.0876	836.9319
2890.0	776.7783	778.9543	782.2009	792.8682	803.3152	813.5498	823.5793	833.4104	840.3115
2900.0	779.8145	782.0037	785.2683	795.9934	806.4939	816.7803	826.8579	836.7363	843.6948
2910.0	782.8540	785.0564	788.3391	799.1208	809.6765	820.0134	830.1404	840.0659	847.0845
2920.0	785.8970	788.1113	791.4124	802.2524	812.8613	823.2507	833.4260	843.3997	850.4802
2930.0	788.9426	791.1689	794.4888	805.3867	816.0500	826.4905	836.7158	846.7373	853.8826
2940.0	791.9910	794.2305	797.5686	808.5247	819.2422	829.7344	840.0093	850.0791	857.2913
2950.0	795.0415	797.2939	800.6506	811.6653	822.4373	832.9812	843.3052	853.4241	860.7068
2960.0	798.0955	800.3608	803.7363	814.8091	825.6362	836.2322	846.6047	856.7739	864.1284
2970.0	801.1526	803.4307	806.8254	817.9568	828.8384	839.4861	849.9089	860.1274	867.5581
2980.0	804.2124	806.5042	809.9175	821.1074	832.0447	842.7449	853.2173	863.4858	870.9949
2990.0	807.2764	809.5806	813.0122	824.2612	835.2542	846.0061	856.5293	866.8479	874.4392
3000.0	810.3423	812.6597	816.1113	827.4194	838.4670	849.2717	859.8447	870.2151	877.8916
3010.0	813.4116	815.7427	819.2129	830.5811	841.6846	852.5420	863.1655	873.5884	881.3538
3020.0	816.4849	818.8291	822.3184	833.7461	844.9053	855.8162	866.4910	876.9656	884.8240
3030.0	819.5598	821.9182	825.4263	836.9155	848.1299	859.0938	869.8193	880.3474	888.3020
3040.0	822.6387	825.0107	828.5386	840.0876	851.3589	862.3755	873.1528	883.7356	891.7908
3050.0	825.7217	828.1072	831.6550	843.2644	854.5920	865.6621	876.4912	887.1279	895.2888
3060.0	828.8076	831.2063	834.7742	846.4448	857.8293	868.9531	879.8340	890.5261	898.7979
3070.0	831.8972	834.3098	837.8975	849.6292	861.0708	872.2488	883.1816	893.9307	902.3164
3080.0	834.9897	837.4157	841.0233	852.8176	864.3164	875.5493	886.5347	897.3413	905.8457
3090.0	838.0862	840.5273	844.1548	856.0107	867.5671	878.8538	889.8931	900.7578	909.3855
3100.0	841.1860	843.6418	847.2896	859.2078	870.8220	882.1638	893.2568	904.1812	912.9368
3110.0	844.2898	846.7598	850.4275	862.4087	874.0808	885.4785	896.6250	907.6108	916.4998
3120.0	847.3970	849.8816	853.5701	865.6143	877.3452	888.7981	900.0000	911.0474	920.0757
3130.0	850.5078	853.0063	856.7170	868.8245	880.6143	892.1235	903.3799	914.4905	923.6626
3140.0	853.6238	856.1367	859.8674	872.0393	883.8887	895.4543	906.7668	917.9419	927.2644
3150.0	856.7419	859.2708	863.0225	875.2585	887.1675	898.7893	910.1582	921.3994	930.8774
3160.0	859.8652	862.4087	866.1814	878.4836	890.4514	902.1316	913.5571	924.8650	934.5051
3170.0	862.9924	865.5505	869.3445	881.7122	893.7417	905.4790	916.9622	928.3391	938.1465
3180.0	866.1233	868.6968	872.5129	884.9468	897.0366	908.8318	920.3735	931.8213	941.8020
3190.0	869.2590	871.8479	875.6853	888.1858	900.3376	912.1914	923.7920	935.3127	945.4734
3200.0	872.3979	875.0022	878.8623	891.4299	903.6440	915.5559	927.2168	938.8113	949.1599
3210.0	875.5415	878.1624	882.0444	894.6797	906.9551	918.9287	930.6494	942.3203	952.8623
3220.0	878.6904	881.3267	885.2310	897.9341	910.2729	922.3076	934.0896	945.8386	956.5789
3230.0	881.8428	884.4951	888.4224	901.1946	913.5972	925.6919	937.5374	949.3667	960.3140

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PRESSURE = 2.5000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	885.0005	887.6687	891.6194	904.4612	916.9280	929.0842	940.9929	952.9045	964.0642
3290.0	888.1614	890.8472	894.8206	907.7327	920.2637	932.4829	944.4565	956.4524	967.8335
3300.0	891.3281	894.0310	898.0273	911.0107	923.6064	935.8892	947.9275	960.0115	971.6196
3310.0	894.5000	897.2185	901.2390	914.2944	926.9570	939.3032	951.4082	963.5815	975.4241
3320.0	897.6765	900.4119	904.4563	917.5842	930.3135	942.7244	954.8967	967.1628	979.2476
3330.0	900.8584	903.6111	907.6797	920.8801	933.6772	946.1533	958.3958	970.7568	983.0898
3340.0	904.0437	906.8140	910.9075	924.1819	937.0476	949.5903	961.9023	974.3621	986.9504
3350.0	907.2351	910.0239	914.1416	927.4917	940.4253	953.0354	965.4192	977.9807	990.8320
3360.0	910.4331	913.2385	917.3818	930.8071	943.8110	956.4900	968.9465	981.6118	994.7344
3370.0	913.6350	916.4592	920.6274	934.1294	947.2041	959.9521	972.4832	985.2566	998.6567
3380.0	916.8425	919.6846	923.8787	937.4587	950.6050	963.4233	976.0308	988.9146	1002.6003
3390.0	920.0557	922.9170	927.1372	940.7944	954.0137	966.9033	979.5884	992.5867	1006.5659
3400.0	923.2749	926.1550	930.4023	944.1394	957.4314	970.3936	983.1580	996.2749	1010.5562
3410.0	926.4993	929.3987	933.6721	947.4897	960.8564	973.8931	986.7371	999.9775	1014.5635
3420.0	929.7302	932.6497	936.9497	950.8491	964.2910	977.4021	990.3296	1003.6963	1018.5969
3430.0	932.9666	935.9055	940.2336	954.2161	967.7344	980.9221	993.9343	1007.4316	1022.6538
3440.0	936.2095	939.1689	943.5234	957.5903	971.1865	984.4521	997.5508	1011.1826	1026.7346
3450.0	939.4590	942.4380	946.8215	960.9731	974.6479	987.9922	1001.1799	1014.9512	1030.8394
3460.0	942.7141	945.7134	950.1270	964.3638	978.1194	991.5439	1004.8225	1018.7373	1034.9690
3470.0	945.9761	948.9973	953.4397	967.7634	981.6003	995.1067	1008.4783	1022.5417	1039.1240
3480.0	949.2441	952.2874	956.7585	971.1716	985.0908	998.6807	1012.1484	1026.3650	1043.3044
3490.0	952.5208	955.5840	960.0864	974.5886	988.5930	1002.2676	1015.8328	1030.2080	1047.5127
3500.0	955.8027	958.8887	963.4211	978.0159	992.1040	1005.8662	1019.5320	1034.0710	1051.7466
3510.0	959.0925	962.1997	966.7634	981.4507	995.6265	1009.4773	1023.2463	1037.9548	1056.0078
3520.0	962.3879	965.5190	970.1140	984.8955	999.1599	1013.1008	1026.9763	1041.8589	1060.2961
3530.0	[illegible]5.6934	968.8469	973.4739	988.3513	1002.7053	1016.7385	1030.7219	1045.7849	1064.6147
3540.0	[illegible].0044	972.1814	976.8408	991.8159	1006.2617	1020.3896	1034.4841	1049.7344	1068.9604
3550.0	972.3228	975.5244	980.2166	995.2905	1009.8296	1024.0535	1038.2632	1053.7058	1073.3362
3560.0	975.6497	978.8750	983.6016	998.7776	1013.4106	1027.7332	1042.0596	1057.7017	1077.7354
3570.0	978.9844	982.2349	986.9951	1002.2734	1017.0037	1031.4260	1045.8740	1061.7209	1082.1692
3580.0	982.3246	985.6033	990.3982	1005.7800	1020.6091	1035.1353	1049.7073	1065.7656	1086.6355
3590.0	985.6782	988.9805	993.8103	1009.2986	1024.2280	1038.8594	1053.5583	1069.8359	1091.1311
3600.0	989.0383	992.3657	997.2324	1012.8284	1027.8611	1042.5996	1057.4299	1073.9326	1095.6589
3610.0	992.4075	995.7610	1000.6636	1016.3701	1031.5071	1046.3562	1061.3218	1078.0571	1100.2202
3620.0	995.7839	999.1646	1004.1050	1019.9236	1035.1667	1050.1282	1065.2329	1082.2087	1104.8123
3630.0	999.1707	1002.5781	1007.5571	1023.4895	1038.8423	1053.9187	1069.1655	1086.3887	1109.4395
3640.0	1002.5652	1006.0007	1011.0186	1027.0681	1042.5308	1057.7268	1073.1199	1090.5979	1114.0991
3650.0	1005.9702	1009.4351	1014.4917	1030.6592	1046.2363	1061.5527	1077.0967	1094.8376	1118.7937
3660.0	1009.3860	1012.8782	1017.9746	1034.2639	1049.9561	1065.3965	1081.0957	1099.1077	1123.5242
3670.0	1012.8088	1016.3318	1021.4697	1037.8816	1053.6926	1069.2605	1085.1187	1103.4094	1128.2888
3680.0	1016.2424	1019.7957	1024.9746	1041.5129	1057.4446	1073.1428	1089.1655	1107.7424	1133.0891
3690.0	1019.6860	1023.2708	1028.4929	1045.1580	1061.2134	1077.0452	1093.2368	1112.1091	1137.9248
3700.0	1023.1411	1026.7568	1032.0212	1048.8188	1065.0005	1080.9680	1097.3333	1116.5100	1142.8005
3710.0	1026.6060	1030.2534	1035.5627	1052.4924	1068.8037	1084.9124	1101.4561	1120.9436	1147.7119
3720.0	1030.0818	1033.7620	1039.1172	1056.1828	1072.6257	1088.8782	1105.6060	1125.4141	1152.6624
3730.0	1033.5684	1037.2813	1042.6819	1059.8875	1076.4663	1092.8655	1109.7813	1129.9199	1157.6511
3740.0	1037.0664	1040.8145	1046.2615	1063.6089	1080.3250	1096.8762	1113.9869	1134.4624	1162.6792
3750.0	1040.5767	1044.3594	1049.8545	1067.3457	1084.2034	1100.9099	1118.2197	1139.0435	1167.7468
3760.0	1044.0977	1047.9146	1053.4590	1071.0994	1088.1006	1104.9661	1122.4810	1143.6621	1172.8552
3770.0	1047.6309	1051.4846	1057.0781	1074.8689	1092.0188	1109.0476	1126.7737	1148.3198	1178.0029
3780.0	1051.1770	1055.0664	1060.7117	1078.6563	1095.9580	1113.1533	1131.0969	1153.0178	1183.1934
3790.0	1054.7344	1058.6624	1064.3584	1082.4609	1099.9177	1117.2847	1135.4524	1157.7571	1188.4272
3800.0	1058.3059	1062.2720	1068.0212	1086.2852	1103.8989	1121.4434	1139.8394	1162.5381	1193.7036
3810.0	1061.8892	1065.8953	1071.6982	1090.1260	1107.9023	1125.6274	1144.2593	1167.3613	1199.0229

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ENTHALPY

PRESSURE = 2.5000
TEMPERATURE / FUEL/AIR RATIO

DEGREES R	0.000	0.005	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1065.5315	1069.5315	1075.3494	1093.9861	1111.9287	1129.8391	1148.7126	1172.2271	1204.3848
3830.0	1066.1819	1070.1819	1079.0977	1097.9652	1115.9780	1134.0789	1153.2009	1177.1367	1209.7922
3840.0	1072.7207	1076.8479	1082.8208	1101.7619	1120.0508	1138.3464	1157.7236	1182.0806	1215.2428
3850.0	1076.3594	1080.5294	1086.5601	1105.6824	1124.1482	1142.6445	1162.2842	1187.0923	1220.7417
3860.0	1080.0122	1084.2251	1090.3162	1109.6221	1128.2698	1146.9717	1166.8804	1192.1379	1226.2849
3870.0	1083.6799	1087.9373	1094.0898	1113.5825	1132.4170	1151.3289	1171.5139	1197.2312	1231.8748
3880.0	1087.3613	1091.6641	1097.8789	1117.5617	1136.5896	1155.7180	1176.1965	1202.3723	1237.5125
3890.0	1091.0593	1095.4080	1101.6873	1121.5676	1140.7896	1160.1394	1180.8989	1207.5637	1243.1995
3900.0	1094.7722	1099.1678	1105.5122	1125.5915	1145.0159	1164.5933	1185.6511	1212.8025	1248.9333
3910.0	1098.5012	1102.9441	1109.3560	1129.6418	1149.2703	1169.0801	1190.4631	1218.0918	1254.7158
3920.0	1102.2454	1106.7383	1113.2180	1133.7179	1153.5513	1173.6013	1195.2781	1223.4321	1260.5481
3930.0	1106.0078	1110.5498	1117.0998	1137.8048	1157.8630	1178.1572	1200.1553	1228.8247	1266.4324
3940.0	1109.7854	1114.3801	1120.9998	1141.9290	1162.2031	1182.7480	1205.0757	1234.2686	1272.3652
3950.0	1113.5813	1118.2275	1124.9199	1146.0728	1166.5735	1187.3762	1210.0403	1239.7656	1278.3496
3960.0	1117.3940	1122.0940	1128.8613	1150.2434	1170.9749	1192.0408	1215.0508	1245.3176	1284.3879
3970.0	1121.2239	1125.9797	1132.8224	1154.4385	1175.4075	1196.7439	1220.1074	1250.9243	1290.4783
3980.0	1125.0724	1129.8833	1136.8049	1158.6599	1179.8708	1201.4866	1225.2095	1256.5847	1296.6206
3990.0	1128.9344	1133.8074	1140.8086	1162.9072	1184.3669	1206.2651	1230.3601	1262.3020	1302.8169
4000.0	1132.8269	1137.7520	1144.8337	1167.1848	1188.8979	1211.0859	1235.5588	1268.0757	1309.0676

ENTHALPY

PRESSURE = 3.0000

TEMPERATURE / DEGREES R	FUEL/AIR RATIO 0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
2760.0	726.1938	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	743.8218	745.8665	748.9199	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.5269	763.6401	766.7959	777.1787	787.3589	797.3423	807.1353	816.7419	823.3672
2890.0	764.5493	766.6748	769.8486	780.2886	790.5217	800.5554	810.3970	820.0496	826.7205
2900.0	767.5750	769.7124	772.9043	783.4001	793.6870	803.7722	813.6619	823.3599	830.0786
2910.0	770.6030	772.7532	775.9624	786.5154	796.8550	806.9912	816.9292	826.6738	833.4419
2920.0	773.6340	775.7959	779.0234	789.6326	800.0264	810.2136	820.1995	829.9902	836.8091
2930.0	776.6670	778.8411	782.0869	792.7532	803.2007	813.4390	823.4739	833.3110	840.1812
2940.0	779.7029	781.8896	785.1533	795.8765	806.3779	816.6665	826.7500	836.6338	843.5601
2950.0	782.7415	784.9414	788.2227	799.0029	809.5581	819.8979	830.0298	839.9604	846.9429
2960.0	785.7832	787.9951	791.2954	802.1326	812.7422	823.1333	833.3132	843.2910	850.3313
2970.0	788.8271	791.0518	794.3701	805.2654	815.9285	826.3711	836.5999	846.6255	853.7263
2980.0	791.8743	794.1121	797.4480	808.4014	819.1184	829.6123	839.8904	849.9631	857.1272
2990.0	794.9246	797.1743	800.5291	811.5398	822.3108	832.8567	843.1833	853.3047	860.5342
3000.0	797.9771	800.2402	803.6135	814.6819	825.5076	836.1047	846.4802	856.6501	863.9475
3010.0	801.0330	803.3083	806.7002	817.8274	828.7075	839.3564	849.7815	859.9995	867.3684
3020.0	804.0916	806.3801	809.7913	820.9763	831.9109	842.6111	853.0859	863.3540	870.7957
3030.0	807.1533	809.4548	812.8840	824.1279	835.1177	845.8704	856.3948	866.7117	874.2307
3040.0	810.2178	812.5320	815.9807	827.2834	838.3279	849.1331	859.7061	870.0737	877.6724
3050.0	813.2856	815.6133	819.0803	830.4426	841.5422	852.3997	863.0234	873.4412	881.1235
3060.0	816.3562	818.6978	822.1843	833.6052	844.7605	855.6704	866.3445	876.8137	884.5823
3070.0	819.4304	821.7847	825.2908	836.7715	847.9827	858.9443	869.6689	880.1902	888.0491
3080.0	822.5081	824.8755	828.3999	839.9412	851.2078	862.2227	872.9976	883.5718	891.5242
3090.0	825.5886	827.9702	831.5137	843.1152	854.4375	865.5056	876.3313	886.9585	895.0088
3100.0	828.6719	831.0671	834.6306	846.2920	857.6711	868.7922	879.6697	890.3508	898.5022
3110.0	831.7598	834.1677	837.7515	849.4734	860.9087	872.0830	883.0125	893.7473	902.0061
3120.0	834.8506	837.2729	840.8757	852.6592	864.1509	875.3789	886.3596	897.1514	905.5210
3130.0	837.9446	840.3806	844.0037	855.8479	867.3967	878.6787	889.7126	900.5605	909.0447
3140.0	841.0422	843.4927	847.1353	859.0415	870.6477	881.9839	893.0701	903.9758	912.5798
3150.0	844.1431	846.6072	850.2705	862.2393	873.9028	885.2932	896.4324	907.3960	916.1248
3160.0	847.2478	849.7263	853.4099	865.4409	877.1624	888.6082	899.8008	910.8242	919.6824
3170.0	850.3567	852.8491	856.5527	868.6470	880.4263	891.9270	903.1738	914.2578	923.2507
3180.0	853.4683	855.9758	859.7007	871.8579	883.6956	895.2522	906.5532	917.6995	926.8330
3190.0	856.5842	859.1064	862.8518	875.0725	886.9690	898.5813	909.9380	921.1475	930.4260
3200.0	859.7039	862.2410	866.0076	878.2920	890.2488	901.9172	913.3289	924.6028	934.0325
3210.0	862.8284	865.3799	869.1667	881.5164	893.5320	905.2576	916.7261	928.0657	937.6523
3220.0	865.9558	868.5229	872.3311	884.7461	896.8213	908.6042	920.1287	931.5361	941.2849
3230.0	869.0879	871.6697	875.4990	887.9795	900.1162	911.9563	923.5388	935.0154	944.9319
3240.0	872.2236	874.8208	878.6721	891.2183	903.4155	915.3137	926.9543	938.5015	948.5930
3250.0	875.3638	877.9761	881.8496	894.4624	906.7207	918.6780	930.3777	941.9966	952.2700
3260.0	878.5078	881.1362	885.0313	897.7117	910.0320	922.0483	933.8076	945.5012	955.9609
3270.0	881.6563	884.3003	888.2183	900.9663	913.3486	925.4246	937.2444	949.0146	959.6677

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ENTHALPY

PRESSURE = 3.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	884.8098	887.4700	891.4097	904.2258	916.6716	928.8079	940.6490	952.5366	961.3899
3290.0	887.9670	890.6426	894.6055	907.4902	919.9995	932.1970	944.1404	956.0688	967.1287
3300.0	891.1289	893.8213	897.8066	910.7615	923.3345	935.5933	947.6003	959.6111	970.8850
3310.0	894.2954	897.0042	901.0132	914.0386	926.6760	938.9973	951.0686	963.1636	974.6580
3320.0	897.4668	900.1924	904.2246	917.3203	930.0229	942.4082	954.5439	966.7268	978.4487
3330.0	900.6431	903.3865	907.4412	920.6091	933.3784	945.8264	958.0293	970.3018	982.2571
3340.0	903.8240	906.5830	910.6628	923.9071	936.7388	949.2515	961.5215	973.8867	986.0837
3350.0	907.0100	909.7869	913.8906	927.2091	940.1067	952.6846	965.0239	977.4839	989.9302
3360.0	910.2012	912.9956	917.1235	930.5110	943.4817	956.1267	968.5361	981.0950	993.7956
3370.0	913.3967	916.2092	920.3625	933.8242	946.8640	959.5757	972.0564	984.7158	997.6794
3380.0	916.5989	919.4282	923.6069	937.1443	950.2537	963.0334	975.5874	988.3508	1001.5842
3390.0	919.8049	922.6536	926.8567	940.4709	953.6506	966.5000	979.1277	991.9990	1005.5095
3400.0	923.0171	925.8835	930.1138	943.8049	957.0562	969.9756	982.6790	995.6606	1009.4553
3410.0	926.2349	929.1196	933.3755	947.1445	960.4683	973.4590	986.2402	999.3362	1013.4224
3420.0	929.4585	932.3621	936.6443	950.4932	963.8901	976.9529	989.8135	1003.0273	1017.4116
3430.0	932.6870	935.6106	939.9189	953.8484	967.3196	980.4561	993.3972	1006.7329	1021.4241
3440.0	935.9216	938.8643	943.2007	957.2109	970.7576	983.9688	996.9929	1010.4536	1025.4575
3450.0	939.1631	942.1250	946.4885	960.5818	974.2048	987.4915	1000.6001	1014.1907	1029.5142
3460.0	942.4099	945.3918	949.7832	963.9604	977.6604	991.0249	1004.2190	1017.9443	1033.5952
3470.0	945.6624	948.6663	953.0854	967.3467	981.1255	994.5688	1007.8513	1021.7148	1037.7000
3480.0	948.9225	951.9460	956.3933	970.7410	984.5996	998.1226	1011.4986	1025.5029	1041.8293
3490.0	952.1880	955.2329	959.7100	974.1445	988.0845	1001.6887	1015.1548	1029.3093	1045.9834
3500.0	955.4604	958.5261	963.0332	977.5562	991.5784	1005.2659	1018.8271	1033.1338	1050.1631
3510.0	958.7400	961.8271	966.3638	980.9763	995.0825	1008.8550	1022.5137	1036.9773	1054.3691
3520.0	962.0251	965.1350	969.7019	984.4060	998.5967	1012.4556	1026.2136	1040.8403	1058.5991
3530.0	965.3188	968.4502	973.0488	987.8447	1002.1218	1016.0691	1029.9294	1044.7241	1062.8582
3540.0	968.6187	971.7727	976.4016	991.2925	1005.6577	1019.6951	1033.6604	1048.6289	1067.1441
3550.0	971.9255	975.1025	979.7639	994.7493	1009.2048	1023.3335	1037.4070	1052.5544	1071.4578
3560.0	975.2405	978.4407	983.1340	998.2178	1012.7637	1026.9856	1041.1699	1056.5024	1075.7981
3570.0	978.5623	981.7869	986.5129	1001.6951	1016.3333	1030.6516	1044.9490	1060.4719	1080.1685
3580.0	981.8928	985.1411	989.9001	1005.1831	1019.9163	1034.3318	1048.7458	1064.4643	1084.5676
3590.0	985.2292	988.5029	993.2976	1008.6812	1023.5105	1038.0259	1052.5596	1068.4834	1088.9961
3600.0	988.5754	991.8738	996.7024	1012.1907	1027.1169	1041.7349	1056.3916	1072.5247	1093.4548
3610.0	991.9294	995.2529	1000.1167	1015.7104	1030.7371	1045.4592	1060.2429	1076.5925	1097.9446
3620.0	995.2913	998.6396	1003.5403	1019.2410	1034.3696	1049.1985	1064.1121	1080.6855	1102.4590
3630.0	998.6621	1002.0374	1006.9739	1022.7839	1038.0166	1052.9551	1068.0010	1084.8044	1107.0107
3640.0	1002.0405	1005.4429	1010.4163	1026.3376	1041.6763	1056.7263	1071.9104	1088.9504	1111.5965
3650.0	1005.4292	1008.8589	1013.8696	1029.9050	1045.3516	1060.5151	1075.8403	1093.1252	1116.2100
3660.0	1008.8259	1012.2837	1017.3325	1033.4839	1049.0398	1064.3215	1079.7910	1097.3281	1120.8596
3670.0	1012.2322	1015.7185	1020.8062	1037.0754	1052.7439	1068.1450	1083.7644	1101.5608	1125.5427
3680.0	1015.6472	1019.1614	1024.2905	1040.6785	1056.4622	1071.9863	1087.7583	1105.8228	1130.2583
3690.0	1019.0725	1022.6162	1027.7859	1044.2961	1060.1970	1075.8469	1091.7759	1110.1147	1135.0095
3700.0	1022.5071	1026.0811	1031.2915	1047.9270	1063.9482	1079.7266	1095.8179	1114.4399	1139.7984
3710.0	1025.9514	1029.5571	1034.8093	1051.5713	1067.7144	1083.6243	1099.8826	1118.7959	1144.6179
3720.0	1029.4070	1033.0430	1038.3384	1055.2301	1071.4983	1087.5439	1103.9727	1123.1853	1149.4773
3730.0	1032.8713	1036.5386	1041.8782	1058.9021	1075.2981	1091.4824	1108.0874	1127.6079	1154.3711
3740.0	1036.3477	1040.0479	1045.4312	1062.5896	1079.1167	1095.4421	1112.2290	1132.0654	1159.3032
3750.0	1039.8342	1043.5674	1048.9973	1066.2927	1082.9524	1099.4241	1116.3967	1136.5581	1164.2734
3760.0	1043.3308	1047.0981	1052.5735	1070.0103	1086.8062	1103.4272	1120.5916	1141.0862	1169.2810
3770.0	1046.8406	1050.6404	1056.1641	1073.7434	1090.6792	1107.4531	1124.8140	1145.6509	1174.3279
3780.0	1050.3606	1054.1956	1059.7676	1077.4934	1094.5715	1111.5022	1129.0652	1150.2527	1179.4136
3790.0	1053.8911	1057.7632	1063.3838	1081.2585	1098.4829	1115.5752	1133.3455	1154.8943	1184.5403
3800.0	1057.4358	1061.3430	1067.0142	1085.0417	1102.4158	1119.6726	1137.6565	1159.5737	1189.7078
3810.0	1060.9915	1064.9358	1070.6582	1088.8416	1106.3682	1123.7944	1141.9978	1164.2927	1194.9153

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ENTHALPY

PRESSURE = 3.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1064.5596	1069.5413	1074.3167	1092.6580	1110.3411	1127.9399	1146.3696	1169.0520	1200.1634
3830.0	1068.1404	1072.1606	1077.9895	1096.4941	1114.3357	1132.1130	1150.7742	1173.[illegible]23	1205.4551
3840.0	1071.7336	1075.7942	1081.6758	1100.3462	1118.3523	1136.3120	1155.2107	1178.6943	1210.7883
3850.0	1075.3401	1079.4409	1085.3789	1104.2183	1122.3923	1140.5388	1159.6819	1183.5801	1216.1665
3860.0	1078.9607	1083.1021	1089.0974	1108.1094	1126.4546	1144.7930	1164.1865	1188.5093	1221.5864
3870.0	1082.5942	1086.7771	1092.8298	1112.0198	1130.5403	1149.0752	1168.7263	1193.4819	1227.0510
3880.0	1086.2415	1090.4678	1096.5798	1115.9497	1134.6494	1153.3865	1173.3013	1198.4998	1232.5615
3890.0	1089.9028	1094.1733	1100.3462	1119.9004	1138.7844	1157.7285	1177.9141	1203.5640	1238.1177
3900.0	1093.5796	1097.8943	1104.1284	1123.8713	1142.9429	1162.0989	1182.5635	1208.6736	1243.7178
3910.0	1097.2705	1101.6306	1107.9280	1127.8635	1147.1277	1166.5012	1187.2502	1213.8303	1249.3655
3920.0	1100.9766	1105.3828	1111.7441	1131.8770	1151.3379	1170.9351	1191.9771	1219.0386	1255.0601
3930.0	1104.6980	1109.1506	1115.5786	1135.9126	1155.5757	1175.4009	1196.7427	1224.2896	1260.8030
3940.0	1108.4348	1112.9368	1119.4304	1139.9712	1159.8406	1179.9006	1201.5486	1229.5928	1266.5935
3950.0	1112.1880	1116.7393	1123.3015	1144.0522	1164.1333	1184.4324	1206.3958	1234.9448	1272.4316
3960.0	1115.9575	1120.5586	1127.1914	1148.1567	1168.4546	1188.9995	1211.2861	1240.3494	1278.3208
3970.0	1119.7439	1124.3960	1131.0999	1152.2854	1172.8047	1193.6025	1216.2180	1245.8054	1284.2598
3980.0	1123.5452	1128.2510	1135.0286	1156.4377	1177.1836	1198.2397	1221.1936	1251.3120	1290.2478
3990.0	1127.3647	1132.1233	1138.9756	1160.6155	1181.5930	1202.9138	1226.2141	1256.8723	1296.2874
4000.0	1131.2026	1136.0168	1142.9448	1164.8184	1186.0342	1207.6250	1231.2793	1262.4883	1302.3875

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TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2750.0	723.2593	725.2249	728.1597	737.8147	747.2859	756.5732	765.6941	774.6226	780.7798
2760.0	726.1934	728.1704	731.1223	740.8347	750.3584	759.6990	768.8823	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	743.8218	745.8665	748.9199	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
2890.0	764.4343	766.5580	769.7301	780.1701	790.4064	800.4690	810.3152	819.9561	826.6355
2900.0	767.4829	769.6204	772.8103	783.3057	793.5945	803.6838	813.5784	823.2039	829.9893
2910.0	770.5100	772.6802	775.8687	786.4197	796.7617	806.9019	816.8447	826.5967	833.3494
2920.0	773.5405	775.7021	778.9282	789.5364	799.9316	810.1221	820.1133	829.9111	836.7119
2930.0	776.5730	778.7473	781.9902	792.6558	803.1045	813.3467	823.3857	833.2292	840.0793
2940.0	779.6079	781.7942	785.0562	795.7781	806.2805	816.5732	826.6604	836.5500	843.4526
2950.0	782.6460	784.8445	788.1245	798.9031	809.4595	819.8027	829.9387	839.8745	846.8308
2960.0	785.6865	787.8977	791.1956	2.0313	812.6411	823.0356	833.2202	843.2021	850.2141
2970.0	788.7297	790.9536	794.2698	805.1626	815.8264	826.2717	836.5046	846.5337	853.6030
2980.0	791.7761	794.0125	797.3469	808.2969	819.0149	829.5110	839.7922	849.8691	856.9985
2990.0	794.8250	797.0737	800.4260	811.4343	822.2061	832.7534	843.0837	853.2083	860.3989
3000.0	797.8772	800.1387	803.5090	814.5750	825.4001	836.0008	846.3777	856.5493	863.8059
3010.0	800.9314	803.2061	806.5952	817.7188	828.5981	839.2490	849.6764	859.8962	867.2195
3020.0	803.9893	806.2756	809.6843	820.8662	831.7998	842.5020	852.9785	863.2468	870.6396
3030.0	807.0491	809.3496	812.7761	824.0141	835.0044	845.7585	856.2847	866.6013	874.0659
3040.0	810.1133	812.4260	815.8708	827.1692	838.2126	849.0183	859.5933	869.9597	877.5002
3050.0	813.1797	815.5056	818.9695	830.3247	841.4250	852.2825	862.9072	873.3228	880.9429
3060.0	816.2490	818.5884	822.0713	833.4875	844.6409	855.5503	866.2246	876.6909	884.3916
3070.0	819.3215	821.6743	825.1758	836.6514	847.8596	858.8215	869.5461	880.0632	887.8481
3080.0	822.3970	824.7634	828.2839	839.8188	851.0825	862.0967	872.8711	883.4399	891.3145
3090.0	825.4766	827.8560	831.3958	842.9902	854.3098	865.3765	876.2017	886.8218	894.7883
3100.0	828.5583	830.9512	834.5105	846.1653	857.5403	868.6599	879.5356	890.2092	898.2710
3110.0	831.6440	834.0503	837.6289	849.3445	860.7749	871.9475	882.8740	893.6013	901.7632
3120.0	834.7332	837.1531	840.7515	852.5271	864.0139	875.2395	886.2175	896.9988	905.2651
3130.0	837.8252	840.2590	843.8770	855.7131	867.2571	878.5359	889.5657	900.4021	908.7771
3140.0	840.9211	843.3696	847.0063	858.9041	870.5046	881.8374	892.9189	903.8108	912.2991
3150.0	844.0210	846.4819	850.1396	862.0981	873.7559	885.1426	896.2764	907.2251	915.8308
3160.0	847.1235	849.5991	853.2769	865.2969	877.0117	888.4529	899.6396	910.6458	919.3735
3170.0	850.2292	852.7197	856.4172	868.5002	880.2722	891.7678	903.0073	914.0725	922.9272
3180.0	853.3389	855.8438	859.5615	871.7070	883.5374	895.0881	906.3813	917.5071	926.4937
3190.0	856.4531	858.9719	862.7097	874.9187	886.8071	898.4126	909.7598	920.9443	930.0696
3200.0	859.5701	862.1030	865.8628	878.1353	890.0815	901.7432	913.1448	924.3931	933.6592
3210.0	862.6919	865.2393	869.0203	881.3550	893.3613	905.0781	916.5352	927.8477	937.2612
3220.0	865.8164	868.3801	872.1807	884.5803	896.6455	908.4187	919.9321	931.3093	940.8757
3230.0	868.9463	871.5234	875.3459	887.8105	899.9353	911.7656	923.3347	934.7783	944.5049
3240.0	872.0791	874.6711	878.5144	891.0454	903.2302	915.1174	926.7434	938.2551	948.1465
3250.0	875.2161	877.8232	881.6882	894.2839	906.5298	918.4756	930.1592	941.7402	951.8018
3260.0	878.3574	880.9802	884.8669	897.5288	909.8354	921.8386	933.5811	945.2329	955.4717
3270.0	881.5027	884.1409	888.0503	900.7788	913.1458	925.2085	937.0098	948.7351	959.1570

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TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	884.6523	887.3042	891.2371	904.0332	916.4626	928.5847	940.4453	952.2451	960.8569
3290.0	887.8057	890.4763	894.4292	907.2930	919.7854	931.9668	943.8882	955.7649	964.5725
3300.0	890.9644	893.6504	897.6240	910.5546	923.1135	935.3555	947.3384	959.2939	968.3037
3310.0	894.1272	896.8301	900.8286	913.8298	926.4485	938.7515	950.7971	962.8333	972.0522
3320.0	897.2944	900.0152	904.0349	917.1062	929.7886	942.1533	954.2625	966.3818	975.8184
3330.0	900.4666	903.2021	907.2441	920.3882	933.1357	945.5630	957.7368	969.9409	979.5984
3340.0	903.6431	906.3953	910.4631	923.6758	936.4890	948.9792	961.2188	973.5115	983.3977
3350.0	906.8247	909.5948	913.6851	926.9702	939.8491	952.4033	964.7099	977.0918	987.2144
3360.0	910.0112	912.7979	916.9137	930.2703	943.2158	955.8354	968.2092	980.6855	991.0510
3370.0	913.2031	916.0086	920.1442	933.5769	946.5901	959.2747	971.7173	984.2893	994.9048
3380.0	916.3984	919.2200	923.3840	936.8892	949.9705	962.7214	975.2351	987.9051	1000.7786
3390.0	919.6008	922.4395	926.6284	940.2078	953.3589	966.1768	978.7612	991.5337	1004.6714
3400.0	922.8074	925.6643	929.8787	943.5339	956.7542	969.6411	982.2988	995.1760	1008.5847
3410.0	926.0193	928.8940	933.1350	946.8665	960.1570	973.1128	985.8447	998.8306	1012.5171
3420.0	929.2373	932.1309	936.3962	950.2053	963.5671	976.5945	989.4021	1002.4993	1016.4717
3430.0	932.4597	935.3731	939.6643	953.5520	966.9868	980.0850	992.9709	1006.1826	1020.4473
3440.0	935.6887	938.6194	942.9385	956.9055	970.4133	983.5842	996.5491	1009.8799	1024.4446
3450.0	938.9231	941.8738	946.2185	960.2673	973.8494	987.0930	1000.1389	1013.5923	1028.4629
3460.0	942.1631	945.1382	949.5054	963.6353	977.2932	990.6113	1003.7407	1017.3201	1032.5046
3470.0	945.4089	948.3992	952.7991	967.0110	980.7458	994.1401	1007.3538	1021.0635	1036.5686
3480.0	948.6614	951.6702	956.0983	970.3945	984.2064	997.6790	1010.9792	1024.8237	1040.6567
3490.0	951.9194	954.9502	959.4067	973.7869	987.6782	1001.2285	1014.6177	1028.6008	1044.7681
3500.0	955.1848	958.2361	962.7207	977.1870	991.1584	1004.7896	1018.2688	1032.3960	1048.9043
3510.0	958.4556	961.5269	966.0420	980.5964	994.6477	1008.3606	1021.9331	1036.2083	1053.0649
3520.0	961.7334	964.8267	969.3691	984.0122	998.1470	1011.9436	1025.6106	1040.0398	1057.2498
3530.0	965.0176	968.1318	972.7070	987.4387	1001.6570	1015.5378	1029.3027	1043.8894	1061.4614
3540.0	968.3086	971.4448	976.0493	990.8730	1005.1768	1019.1440	1033.0090	1047.7593	1065.6985
3550.0	971.6064	974.7664	979.4009	994.3171	1008.7068	1022.7627	1036.7302	1051.6489	1069.9624
3560.0	974.9114	978.0958	982.7600	997.7710	1012.2483	1026.3936	1040.4661	1055.5591	1074.2534
3570.0	978.2236	981.4290	986.1272	1001.2334	1015.8005	1030.0341	1044.2185	1059.4902	1078.5706
3580.0	981.5430	984.7711	989.5020	1004.7056	1019.3638	1033.6951	1047.9868	1063.4436	1082.9160
3590.0	984.8706	988.1218	992.8860	1008.1882	1022.9387	1037.3657	1051.7703	1067.4192	1087.2896
3600.0	988.2041	991.4791	996.2781	1011.6804	1026.5259	1041.0503	1055.5720	1071.4175	1091.6917
3610.0	991.5474	994.8457	999.6790	1015.1843	1030.1257	1044.7500	1059.3916	1075.4407	1096.1245
3620.0	994.8967	998.2219	1003.0894	1018.6975	1033.7366	1048.4631	1063.2280	1079.4871	1100.5862
3630.0	998.2559	1001.6044	1006.5081	1022.2219	1037.3616	1052.1924	1067.0830	1083.5586	1105.0779
3640.0	1001.6213	1004.9985	1009.9358	1025.7578	1040.9983	1055.9360	1070.9565	1087.6555	1109.6001
3650.0	1004.9973	1008.4026	1013.3745	1029.3047	1044.6492	1059.6958	1074.8499	1091.7791	1114.1533
3660.0	1008.3799	1011.8185	1016.8213	1032.8633	1048.3143	1063.4722	1078.7632	1095.9287	1118.7385
3670.0	1011.7727	1015.2392	1020.2791	1036.4341	1051.9924	1067.2649	1082.6968	1100.1072	1123.3560
3680.0	1015.1731	1018.6589	1023.7454	1040.0164	1055.6851	1071.0745	1086.6511	1104.3127	1128.0051
3690.0	1018.5835	1022.0967	1027.2216	1043.6113	1059.3921	1074.9014	1090.6265	1108.5466	1132.6873
3700.0	1022.0029	1025.5449	1030.7114	1047.2195	1063.1150	1078.7461	1094.6243	1112.8123	1137.4065
3710.0	1025.4314	1029.0052	1034.2100	1050.8396	1066.8521	1082.6091	1098.6448	1117.1064	1142.1492
3720.0	1028.8701	1032.4719	1037.7281	1054.4711	1070.6062	1086.4912	1102.6885	1121.4324	1146.9333
3730.0	1032.3174	1035.9582	1041.2400	1058.1213	1074.3752	1090.3923	1106.7549	1125.7896	1151.7527
3740.0	1035.7764	1039.4402	1044.7795	1061.7832	1078.1616	1094.3132	1110.8467	1130.1794	1156.6084
3750.0	1039.2451	1042.9385	1048.3159	1065.4578	1081.9648	1098.2542	1114.9634	1134.6021	1161.5000
3760.0	1042.7227	1046.4500	1051.8713	1069.1484	1085.7847	1102.2156	1119.1047	1139.0583	1166.4270
3770.0	1046.2122	1049.9727	1055.4395	1072.8525	1089.6223	1106.1980	1123.2729	1143.5496	1171.3918
3780.0	1049.7122	1053.5086	1059.0186	1076.5728	1093.4774	1110.2024	1127.4680	1148.0762	1176.3938
3790.0	1053.2234	1057.0515	1062.6111	1080.3079	1097.3521	1114.2285	1131.6899	1152.6384	1181.4355
3800.0	1056.7461	1060.6086	1066.2175	1084.0593	1101.2451	1118.2791	1135.9407	1157.2390	1186.5158
3810.0	1060.2800	1064.1780	1069.8357	1087.8271	1105.1577	1122.3513	1140.2197	1161.8760	1191.6338

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TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1063.8254	1067.7598	1073.4673	1091.6096	1109.0898	1126.4470	1144.5276	1166.5505	1196.7920
3830.0	1067.3833	1071.3538	1077.1123	1095.4102	1113.0422	1130.5674	1148.8667	1171.2649	1201.9902
3840.0	1070.9531	1074.9412	1080.7720	1099.2271	1117.0142	1134.7122	1153.2349	1176.0181	1207.2288
3850.0	1074.5354	1078.5823	1084.4460	1103.0630	1121.0085	1138.8835	1157.6370	1180.8127	1212.5103
3860.0	1078.1287	1082.2156	1088.1338	1106.9153	1125.0244	1143.0806	1162.0691	1185.6477	1217.8313
3870.0	1081.7366	1085.8625	1091.8364	1110.7866	1129.0618	1147.3032	1166.5347	1190.5244	1223.1958
3880.0	1085.3564	1089.5239	1095.5544	1114.6765	1133.1216	1151.5537	1171.0339	1195.4443	1228.6030
3890.0	1088.9915	1093.1992	1099.2876	1118.5852	1137.2046	1155.8328	1175.5684	1200.4082	1234.0549
3900.0	1092.6387	1096.8892	1103.0361	1122.5137	1141.3108	1160.1389	1180.1367	1205.4153	1239.5564
3910.0	1096.2998	1100.5950	1106.8015	1126.4619	1145.4419	1164.4751	1184.7407	1210.4666	1245.0965
3920.0	1099.9761	1104.3147	1110.5818	1130.4297	1149.5972	1168.8398	1189.3818	1215.5640	1250.6785
3930.0	1103.6660	1108.0496	1114.3794	1134.4187	1153.7766	1173.2356	1194.0601	1220.7083	1256.3088
3940.0	1107.3706	1111.8013	1118.1946	1138.4297	1157.9824	1177.6621	1198.7761	1225.8984	1261.9836
3950.0	1111.0903	1115.5674	1122.0261	1142.4607	1162.2134	1182.1201	1203.5303	1231.1360	1267.7051
3960.0	1114.8250	1119.3506	1125.8760	1146.5146	1166.4727	1186.6104	1208.3254	1236.4226	1273.4764
3970.0	1118.5759	1123.1504	1129.7439	1150.5911	1170.7583	1191.1343	1213.1609	1241.7583	1279.2920
3980.0	1122.3418	1126.9663	1133.6294	1154.6890	1175.0715	1195.6907	1218.0356	1247.1426	1285.1560
3990.0	1126.1245	1130.7996	1137.5337	1158.8113	1179.4126	1200.2820	1222.9536	1252.5784	1291.0701
4000.0	1129.9238	1134.6509	1141.4570	1162.9578	1183.7834	1204.9082	1227.9136	1258.0652	1297.0325

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ENTHALPY

PRESSURE = 4.0000

TEMPERATURE / FUEL-AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2705	725.1975	734.7991	744.2141	753.4480	762.5046	771.3938	777.5159
2750.0	721.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
2760.0	726.1948	724.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	743.8218	745.8665	748.9199	758.9663	768.8174	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
2890.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
2900.0	767.4033	769.5391	772.7292	783.2249	793.5151	803.6072	813.5073	823.2207	829.9141
2910.0	770.4299	772.5781	775.7859	786.3376	796.6812	806.8245	816.7725	826.5313	833.2698
2920.0	773.4590	775.6201	778.8455	789.4531	799.8503	810.0435	820.0393	829.8440	836.6289
2930.0	776.4912	778.6643	781.9072	792.5725	803.0220	813.2664	823.3103	833.1606	839.9937
2940.0	779.5266	781.7102	784.9717	795.6954	806.1965	816.4912	826.5837	836.4792	843.3621
2950.0	782.5632	784.7605	788.0393	798.8174	809.3740	819.7202	829.8604	839.8025	846.7361
2960.0	785.6021	787.8130	791.1099	801.9441	812.5547	822.9512	833.1399	843.1282	850.1162
2970.0	788.6455	790.8677	794.1831	805.0747	815.7388	826.1860	836.4224	846.4575	853.5005
2980.0	791.6912	793.9260	797.2590	808.2078	818.9255	829.4238	839.7092	849.7900	856.8904
2990.0	794.7390	796.9858	800.3369	811.3435	822.1152	832.6646	842.9980	853.1270	860.2856
3000.0	797.7896	800.0483	803.4187	814.4829	825.3086	835.9089	846.2908	856.4661	863.6865
3010.0	800.8438	803.1162	806.5042	817.6255	828.5049	839.1565	849.5869	859.8098	867.0945
3020.0	803.9006	806.1853	809.5918	820.7715	831.7046	842.4080	852.8867	863.1577	870.5088
3030.0	806.9602	809.2581	812.6833	823.9199	834.9077	845.6624	856.1902	866.5088	873.9302
3040.0	810.0220	812.3335	815.7769	827.0718	838.1143	848.9199	859.4968	869.8645	877.3564
3050.0	813.0876	815.4124	818.8743	830.2275	841.3247	852.1821	862.8083	873.2253	880.7915
3060.0	816.1565	818.4937	821.9746	833.3865	844.5381	855.4475	866.1233	876.5894	884.2338
3070.0	819.2280	821.5781	825.0779	836.5488	847.7554	858.7163	869.4417	879.9570	887.6836
3080.0	822.3025	824.6658	828.1843	839.7144	850.9758	861.9893	872.7639	883.3306	891.1401
3090.0	825.3801	827.7571	831.2947	842.8843	854.2012	865.2659	876.0913	886.7085	894.6057
3100.0	828.4609	830.8513	834.4080	846.0571	857.4292	868.5471	879.4219	890.0916	898.0803
3110.0	831.5449	833.9496	837.5251	849.2344	860.6616	871.8323	882.7576	893.4792	901.5625
3120.0	834.6326	837.0493	840.6455	852.4146	863.8977	875.1213	886.0974	896.8721	905.0554
3130.0	837.7236	840.1538	843.7698	855.5989	867.1384	878.4148	889.4421	900.2703	908.5562
3140.0	840.8176	843.2622	846.8970	858.7866	870.3828	881.7126	892.7915	903.6743	912.0669
3150.0	843.9153	846.3735	850.0283	861.9788	873.6318	885.0149	896.1448	907.0830	915.5881
3160.0	847.0159	849.4883	853.1624	865.1750	876.8845	888.3215	899.5042	910.4968	919.1184
3170.0	850.1211	852.6072	856.3013	868.3752	880.1421	891.6328	902.8674	913.9197	922.6614
3180.0	853.2297	855.7295	859.4434	871.5803	883.4041	894.9492	906.2371	917.3479	926.2136
3190.0	856.3411	858.8552	862.5896	874.7888	886.6699	898.2698	909.6111	920.7808	929.7773
3200.0	859.4563	861.9851	865.7400	878.0017	889.9409	901.5962	912.9907	924.2214	933.3521
3210.0	862.5752	865.1182	868.8943	881.2195	893.2170	904.9270	916.3760	927.6682	936.9399
3220.0	865.6992	868.2563	872.0532	884.4407	896.4976	908.2634	919.7676	931.1226	940.5405
3230.0	868.8250	871.3982	875.2156	887.6680	899.7834	911.6055	923.1646	934.5837	944.1528
3240.0	871.9561	874.5432	878.3818	890.8989	903.0735	914.9526	926.5674	938.0522	947.7786
3250.0	875.0908	877.6929	881.5527	894.1343	906.3691	918.3047	929.9768	941.5288	951.4175
3260.0	878.2297	880.8469	884.7280	897.3752	909.6704	921.6633	933.3923	945.0127	955.0701
3270.0	881.3716	884.0054	887.9077	900.6208	912.9763	925.0273	936.8147	948.5051	958.7366

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PRESSURE = 4.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	884.5191	887.1670	891.0918	903.8716	916.2883	928.3977	940.2434	952.0059	962.4187
3290.0	887.6702	890.3342	894.2803	907.1272	919.6055	931.7739	943.6785	955.5156	966.1145
3300.0	890.8242	893.5051	897.4736	910.3884	922.9285	935.1560	947.1216	959.0342	969.8259
3310.0	893.9849	896.6809	900.6721	913.6545	926.2578	938.5454	950.5715	962.5623	973.5537
3320.0	897.1489	899.8608	903.8748	916.9265	929.5925	941.9407	954.0288	966.0989	977.2969
3330.0	900.3179	903.0459	907.0830	920.2034	932.9343	945.3438	957.4946	969.6458	981.0566
3340.0	903.4910	906.2349	910.2959	923.4863	936.2808	948.7524	960.9678	973.2034	984.8335
3350.0	906.6687	909.4304	913.5142	926.7749	939.6345	952.1689	964.4485	976.7715	988.6267
3360.0	909.8514	912.6304	916.7371	930.0703	942.9949	955.5930	967.9387	980.3508	992.4390
3370.0	913.0391	915.8342	919.9651	933.3696	946.3613	959.0244	971.4368	983.9404	996.2676
3380.0	916.2310	919.0437	923.1990	936.6763	949.7349	962.4624	974.9434	987.5415	1000.1157
3390.0	919.4287	922.2585	926.4380	939.9893	953.1157	965.9087	978.4592	991.1541	1003.9817
3400.0	922.6309	925.4785	929.6829	943.3091	956.5034	969.3630	981.9851	994.7798	1007.8672
3410.0	925.8389	928.7041	932.9333	946.6338	959.8982	972.8254	985.5195	998.4170	1011.7715
3420.0	929.0522	931.9348	936.1895	949.9663	963.3003	976.2969	989.0640	1002.0668	1015.6973
3430.0	932.2695	935.1716	939.4514	953.3054	966.7109	979.7769	992.6194	1005.7329	1019.6426
3440.0	935.4927	938.4133	942.7192	956.6519	970.1282	983.2649	996.1843	1009.4114	1023.6094
3450.0	938.7222	941.6619	945.9937	960.0046	973.5549	986.7627	999.7600	1013.1040	1027.5972
3460.0	941.9565	944.9150	949.2737	963.3645	976.9888	990.2698	1003.3469	1016.8108	1031.6064
3470.0	945.1973	948.1755	952.5610	966.7329	980.4316	993.7861	1006.9443	1020.5327	1035.6365
3480.0	948.4438	951.4417	955.8540	970.1077	983.8823	997.3125	1010.5544	1024.2705	1039.6909
3490.0	951.6968	954.7139	959.1541	973.4910	987.3420	1000.8489	1014.1763	1028.0244	1043.7671
3500.0	954.9551	957.9919	962.4617	976.8821	990.8105	1004.3955	1017.8103	1031.7949	1047.8677
3510.0	958.2190	961.2773	965.7744	980.2808	994.2883	1007.9526	1021.4568	1035.5828	1051.9910
3520.0	961.4897	964.5691	969.0950	983.6870	997.7761	1011.5203	1025.1162	1039.3870	1056.1379
3530.0	964.7671	967.8677	972.4229	987.1033	1001.2734	1015.1001	1028.7893	1043.2095	1060.3096
3540.0	968.0513	971.1726	975.7576	990.5269	1004.7798	1018.6899	1032.4753	1047.0508	1064.5073
3550.0	971.3408	974.4839	979.0999	993.9595	1008.2969	1022.2925	1036.1755	1050.9106	1068.7305
3560.0	974.6387	977.8032	982.4502	997.4016	1011.8237	1025.9065	1039.8906	1054.7910	1072.9785
3570.0	977.9424	981.1306	985.8071	1000.8521	1015.3616	1029.5332	1043.6201	1058.6907	1077.2534
3580.0	981.2537	984.4639	989.1738	1004.3120	1018.9102	1033.1716	1047.3657	1062.6113	1081.5549
3590.0	984.5720	987.8062	992.5466	1007.7815	1022.4692	1036.8235	1051.1255	1066.5532	1085.8826
3600.0	987.8972	991.1548	995.9282	1011.2612	1026.0405	1040.4885	1054.9026	1070.5166	1090.2393
3610.0	991.2310	994.5120	999.3188	1014.7510	1029.6230	1044.1680	1058.6956	1074.5032	1094.6248
3620.0	994.5706	997.8762	1002.7168	1018.2498	1033.2170	1047.8601	1062.5059	1078.5117	1099.0374
3630.0	997.9199	1001.2498	1006.1245	1021.7598	1036.8237	1051.5674	1066.3328	1082.5444	1103.4788
3640.0	1001.2754	1004.6313	1009.5403	1025.2798	1040.4417	1055.2878	1070.1777	1086.6008	1107.9502
3650.0	1004.6401	1008.0210	1012.9658	1028.8118	1044.0737	1059.0247	1074.0415	1090.6831	1112.4514
3660.0	1008.0117	1011.4189	1016.4001	1032.3540	1047.7183	1062.7764	1077.9241	1094.7903	1116.9832
3670.0	1011.3931	1014.8264	1019.8445	1035.9077	1051.3767	1066.5442	1081.8257	1098.9236	1121.5464
3680.0	1014.7825	1018.2429	1023.2974	1039.4729	1055.0471	1070.3271	1085.7473	1103.0837	1126.1392
3690.0	1018.1807	1021.6685	1026.7605	1043.0498	1058.7324	1074.1267	1089.6880	1107.2703	1130.7649
3700.0	1021.5876	1025.1033	1030.2336	1046.6392	1062.4324	1077.9441	1093.6519	1111.4863	1135.4229
3710.0	1025.0037	1028.5474	1033.7173	1050.2397	1066.1467	1081.7786	1097.6348	1115.7302	1140.1138
3720.0	1028.4277	1032.0010	1037.2122	1053.8545	1069.8760	1085.6311	1101.6409	1120.0049	1144.8376
3730.0	1031.8621	1035.4653	1040.7161	1057.4812	1073.6201	1089.5005	1105.6687	1124.3081	1149.5952
3740.0	1035.3059	1038.9395	1044.2314	1061.1218	1077.3804	1093.3901	1109.7202	1128.6428	1154.3872
3750.0	1038.7598	1042.4231	1047.7581	1064.7754	1081.1563	1097.2986	1113.7954	1133.0090	1159.2134
3760.0	1042.2234	1045.9185	1051.2954	1068.4429	1084.9482	1101.2258	1117.8936	1137.4065	1164.0740
3770.0	1045.6973	1049.4241	1054.8447	1072.1238	1088.7573	1105.1731	1122.0173	1141.8372	1168.9714
3780.0	1049.1812	1052.9399	1058.4055	1075.8196	1092.5840	1109.1411	1126.1665	1146.3022	1173.9063
3790.0	1052.6755	1056.4670	1061.9788	1079.5300	1096.4275	1113.1301	1130.3416	1150.8015	1178.8745
3800.0	1056.1812	1060.0061	1065.5642	1083.2563	1100.2896	1117.1411	1134.5432	1155.3357	1183.8821
3810.0	1059.6970	1063.5564	1069.1614	1086.9966	1104.1697	1121.1738	1138.7720	1159.9053	1188.9277

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PRESSURE = 4.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1063.2244	1067.1184	1072.7715	1090.7522	1108.0674	1125.2285	1143.0283	1164.5110	1194.0103
3830.0	1066.7627	1070.6924	1076.3950	1094.5247	1111.9856	1129.3066	1147.3132	1169.1543	1199.1318
3840.0	1070.3130	1074.2793	1080.0317	1098.3127	1115.9229	1133.4082	1151.6272	1173.8347	1204.2920
3850.0	1073.8757	1077.8782	1083.6824	1102.1184	1119.8799	1137.5342	1155.9714	1178.5549	1209.4932
3860.0	1077.4497	1081.4902	1087.3455	1105.9402	1123.8577	1141.6843	1160.3459	1183.3132	1214.7334
3870.0	1081.0349	1085.1140	1091.0239	1109.7798	1127.8560	1145.8594	1164.7512	1188.1118	1220.0149
3880.0	1084.6345	1088.7515	1094.7158	1113.6367	1131.8757	1150.0603	1169.1882	1192.9509	1225.3372
3890.0	1088.2458	1092.4036	1098.4229	1117.5122	1135.9175	1154.2881	1173.6587	1197.8325	1230.7026
3900.0	1091.8699	1096.0691	1102.1440	1121.4058	1139.9822	1158.5420	1178.1614	1202.7551	1236.1086
3910.0	1095.5071	1099.7483	1105.8806	1125.3181	1144.0676	1162.8237	1182.6975	1207.7202	1241.5569
3920.0	1099.1575	1103.4412	1109.6331	1129.2495	1148.1770	1167.1333	1187.2695	1212.7292	1247.0498
3930.0	1102.8228	1107.1494	1113.4011	1133.2002	1152.3103	1171.4722	1191.8767	1217.7830	1252.5869
3940.0	1106.5012	1110.8721	1117.1858	1137.1721	1156.4685	1175.8401	1196.5193	1222.8809	1258.1667
3950.0	1110.1943	1114.6099	1120.9861	1141.1636	1160.6504	1180.2373	1201.1980	1228.0229	1263.7905
3960.0	1113.9023	1118.3633	1124.8020	1145.1765	1164.8579	1184.6653	1205.9160	1233.2136	1269.4624
3970.0	1117.6240	1122.1328	1128.6375	1149.2100	1169.0920	1189.1250	1210.6711	1238.4500	1275.1790
3980.0	1121.3613	1125.9175	1132.4888	1153.2649	1173.3516	1193.6152	1215.4651	1243.7341	1280.9414
3990.0	1125.1135	1129.7188	1136.3577	1157.3420	1177.6367	1198.1394	1220.2993	1249.0664	1286.7512
4000.0	1128.8811	1133.5366	1140.2449	1161.4426	1181.9512	1202.6958	1225.1743	1254.4478	1292.6079

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PRESSURE = 5.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5046	771.3938	777.5159
750.0	723.2543	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
[illegible]	[illegible]	728.1704	731.1223	740.8347	750.3584	[illegible]	768.8623	777.8521	784.0447
770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2292	784.3149	790.5784
790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4044	787.5488	793.8479
800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7712	794.0198	800.3899
[illegible]	[illegible]	[illegible]	[illegible]	758.9663	768.8176	778.4795	787.9560	797.2571	803.6628
830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1413	800.4961	806.9375
840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
[illegible]	[illegible]	763.5994	[illegible]	777.1375	787.3186	[illegible]	807.0994	816.7097	823.3296
890.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
920.0	773.3220	775.4812	778.7058	789.3137	799.7141	809.9143	819.9197	829.7346	836.5022
930.0	776.3538	778.5249	781.7664	792.4307	802.8843	813.1350	823.1880	833.0486	839.8616
[illegible]	[illegible]	[illegible]	[illegible]	795.5503	806.0566	[illegible]	826.4590	836.3647	843.2244
950.0	782.4226	784.6189	787.8962	798.6726	809.2327	819.5850	829.7339	839.6841	846.5918
960.0	785.4622	787.6702	790.9653	801.7986	812.4114	822.8137	833.0100	843.0068	849.9644
970.0	788.5027	790.7236	794.0366	804.9268	815.5933	826.0461	836.2918	846.3328	853.3418
980.0	791.5476	793.7805	797.1121	808.0581	818.7783	829.2817	839.5760	849.6621	856.7236
990.0	794.5940	796.8394	800.1885	811.1921	821.9656	832.5198	842.8611	852.9941	860.1123
[illegible]	[illegible]	[illegible]	803.2686	814.3289	825.1560	835.7615	846.1504	856.3301	863.5049
1010.0	800.6956	802.9666	806.3518	817.4695	828.3503	839.0066	849.4429	859.6704	866.9026
1020.0	803.7517	806.0339	809.4382	820.6135	831.5476	842.2546	852.7400	863.0134	870.3081
1030.0	806.8093	809.1052	812.5271	823.7600	834.7480	845.5059	856.0393	866.3601	873.7185
1040.0	809.8699	812.1792	815.6191	826.9092	837.9517	848.7603	859.3413	869.7104	877.1355
1050.0	812.9341	815.2554	818.7146	830.0625	841.1594	852.0188	862.6467	873.0659	880.5601
[illegible]	[illegible]	[illegible]	[illegible]	833.2188	844.3699	[illegible]	865.9557	[illegible]	883.9902
1070.0	819.0710	821.4175	824.9141	836.3784	847.5837	858.5466	869.2704	879.7881	887.4277
1080.0	822.1433	824.5034	828.0183	839.5415	850.8013	861.8157	872.5910	883.1555	890.8723
1090.0	825.2195	827.5928	831.1265	842.7078	854.0227	865.0879	875.9113	886.5271	894.3247
1100.0	828.2981	830.6841	834.2375	845.8782	857.2471	868.3652	879.2417	889.9038	897.7839
1110.0	831.3804	833.7798	837.3513	849.0508	860.4758	871.6460	882.5720	893.2842	901.2524
[illegible]	[illegible]	[illegible]	[illegible]	852.2288	863.7085	[illegible]	885.9065	896.6704	904.7297
1130.0	837.5542	839.9807	843.5901	855.4094	866.9446	878.2190	889.2454	900.0610	908.2146
1140.0	840.6460	843.0862	846.7151	858.5940	870.1848	881.5122	892.5884	903.4575	911.7085
1150.0	843.7405	846.1943	849.8428	861.7822	873.4287	884.8091	895.9360	906.8582	915.2109
1160.0	846.8391	849.3074	852.9746	864.9744	876.6772	888.1106	899.2883	910.2649	918.7249
1170.0	849.9419	852.4224	856.1104	868.1704	879.9299	891.4160	902.6458	913.6770	922.2478
[illegible]	[illegible]	855.5420	859.2498	871.3711	883.1873	[illegible]	906.0085	917.0950	925.7808
1190.0	856.1558	858.6641	862.3918	874.5752	886.4473	898.0415	909.3748	920.5188	929.3235
1200.0	859.2676	861.7905	865.5391	877.7834	889.7129	901.3611	912.7476	923.9485	932.8772
1210.0	862.3838	864.9209	868.6885	880.9961	892.9834	904.6858	916.1245	927.3845	936.4429
1220.0	865.5034	868.0549	871.8430	884.2134	896.2578	908.0146	919.5071	930.8276	940.0190
1230.0	868.6262	871.1924	875.0020	887.4346	899.5376	911.3496	922.8955	934.2769	943.6077
[illegible]	[illegible]	[illegible]	[illegible]	890.6599	902.8213	[illegible]	926.2898	937.7329	947.2080
1250.0	874.8845	877.4792	881.3301	893.8904	906.1104	918.0332	929.6892	941.1968	950.8206
1260.0	878.0193	880.6292	884.5002	897.1252	909.4043	921.3835	933.0950	944.6670	954.4468
1270.0	881.1582	883.7827	887.6758	900.3645	912.7034	924.7390	936.5061	948.1450	958.0852

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PRESSURE = 5.0000

ENTHALPY

TEMPERATURE / FUEL/AIR RATIO										
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	884.3010	886.9409	890.8550	903.6046	916.0078	928.1001	939.9241	951.6306	961.7368
3290.0	887.4475	890.1023	894.0381	906.8574	919.3167	931.4673	943.3084	955.1248	965.4033
3300.0	890.5981	893.2688	897.2263	910.1118	922.6316	934.8403	946.7791	958.6262	969.0833
3310.0	893.7529	896.4397	900.4185	913.3708	925.9524	938.2195	950.2175	962.1375	972.7788
3320.0	896.9119	899.6150	903.6157	916.6348	929.2783	941.6042	953.6619	965.6567	976.4875
3330.0	900.0759	902.7935	906.8169	919.9045	932.6104	944.9961	957.1145	969.1855	980.2141
3340.0	903.2437	905.9768	910.0224	923.1790	935.9480	948.3938	960.5732	972.7224	983.9541
3350.0	906.4163	909.1660	913.2356	926.4595	939.2915	951.7976	964.0400	976.2700	987.7107
3360.0	909.5928	912.3591	916.4514	929.7461	942.6414	955.2097	967.5146	979.8276	991.4851
3370.0	912.7742	915.5571	919.6724	933.0374	945.9973	958.6277	970.9966	983.3958	995.2742
3380.0	915.9604	918.7603	922.8987	936.3347	949.3596	962.0532	974.4873	986.9731	999.0820
3390.0	919.1511	921.9675	926.1304	939.6377	952.7285	965.4851	977.9863	990.5623	1002.9058
3400.0	922.3467	925.1802	929.3669	942.9468	956.1047	968.9280	981.4944	994.1628	1006.7488
3410.0	925.5469	928.3982	932.6096	946.2620	959.4863	972.3730	985.0095	997.7744	1010.6091
3420.0	928.7527	931.6218	935.8635	949.5835	962.8760	975.8289	988.5356	1001.3977	1014.4888
3430.0	931.9634	934.8501	939.1099	952.9114	966.2729	979.2927	992.0701	1005.0342	1018.3882
3440.0	935.1790	938.0825	942.3689	956.2461	969.6765	982.7644	995.6147	1008.6826	1022.3082
3450.0	938.4004	941.3235	945.6333	959.5874	973.0881	986.2449	999.1682	1012.3445	1026.2437
3460.0	941.6260	944.5676	948.9038	962.9346	976.5068	989.7329	1002.7327	1016.0186	1030.2017
3470.0	944.8584	947.8176	952.1802	966.2896	979.9136	993.2307	1006.3071	1019.7078	1034.1797
3480.0	948.0950	951.0745	955.4631	969.6509	983.3687	996.7371	1009.8923	1023.4106	1038.1788
3490.0	951.3379	954.3359	958.7522	973.0203	986.8113	1000.2534	1013.4893	1027.1287	1042.2009
3500.0	954.5869	957.6047	962.0471	976.3965	990.2629	1003.7791	1017.0969	1030.8613	1046.2439
3510.0	957.8423	960.8789	965.3486	979.7808	993.7227	1007.3147	1020.7163	1034.6099	1050.3088
3520.0	961.1013	964.1584	968.6572	983.1716	997.1902	1010.8594	1024.3464	1038.3735	1054.3965
3530.0	964.3682	967.4458	971.9722	986.5713	1000.6687	1014.4150	1027.9902	1042.1545	1058.5078
3540.0	967.6411	970.7390	975.2937	989.9780	1004.1550	1017.9807	1031.6455	1045.9514	1062.6414
3550.0	970.9197	974.0383	978.6216	993.3938	1007.6509	1021.5583	1035.3140	1049.7666	1066.9000
3560.0	974.2049	977.3447	981.9573	996.8171	1011.1565	1025.1450	1038.9956	1053.5996	1070.9819
3570.0	977.4961	980.6580	985.3008	1000.2498	1014.6716	1028.7444	1042.6912	1057.4509	1075.1885
3580.0	980.7942	983.9778	988.6511	1003.6904	1018.1965	1032.3555	1046.4006	1061.3213	1079.4199
3590.0	984.0994	987.3052	992.0088	1007.1401	1021.7319	1035.9778	1050.1243	1065.2102	1083.6775
3600.0	987.4106	990.6396	995.3735	1010.5989	1025.2778	1039.6125	1053.8625	1069.1196	1087.9602
3610.0	990.7302	993.9817	998.7460	1014.0674	1028.8347	1043.2603	1057.6162	1073.0500	1092.2703
3620.0	994.0554	997.3298	1002.1262	1017.5439	1032.4019	1046.9197	1061.3843	1077.0007	1096.6062
3630.0	997.3892	1000.6868	1005.5183	1021.0320	1035.9807	1050.5925	1065.1694	1080.9727	1100.9700
3640.0	1000.7288	1004.0515	1008.9153	1024.5278	1039.5703	1054.2788	1068.9705	1084.9675	1105.3608
3650.0	1004.0776	1007.4236	1012.3223	1028.0352	1043.1726	1057.9795	1072.7886	1088.9851	1109.7800
3660.0	1007.4321	1010.8040	1015.7361	1031.5522	1046.7866	1061.6936	1076.6230	1093.0261	1114.2271
3670.0	1010.7969	1014.1924	1019.1589	1035.0806	1050.4124	1065.4224	1080.4756	1097.0908	1118.7043
3680.0	1014.1667	1017.5891	1022.5918	1038.6189	1054.0510	1069.1653	1084.3467	1101.1792	1123.2092
3690.0	1017.5474	1020.9944	1026.0327	1042.1682	1057.7021	1072.9238	1088.2356	1105.2930	1127.7446
3700.0	1020.9338	1024.4082	1029.4839	1045.7285	1061.3674	1076.6985	1092.1433	1109.4333	1132.3108
3710.0	1024.3301	1027.8308	1032.9441	1049.3000	1065.0447	1080.4880	1096.0713	1113.5996	1136.9070
3720.0	1027.7356	1031.2617	1036.4143	1052.8835	1068.7368	1084.2944	1100.0184	1117.7936	1141.5352
3730.0	1031.1470	1034.7039	1039.8933	1056.4790	1072.4414	1088.1169	1103.9868	1122.0132	1146.1936
3740.0	1034.5691	1038.1548	1043.3826	1060.0867	1076.1624	1091.9568	1107.9768	1126.2620	1150.8855
3750.0	1038.0007	1041.6145	1046.8833	1063.7065	1079.8967	1095.8149	1111.9873	1130.5408	1155.6089
3760.0	1041.4407	1045.0840	1050.3931	1067.3384	1083.6465	1099.6897	1116.0195	1134.8474	1160.3657
3770.0	1044.8904	1048.5642	1053.9146	1070.9844	1087.4114	1103.5835	1120.0750	1139.1846	1165.1553
3780.0	1048.3494	1052.0532	1057.4465	1074.6426	1091.1921	1107.4949	1124.1528	1143.5532	1169.9796
3790.0	1051.8176	1055.5527	1060.9890	1078.3149	1094.9885	1111.4270	1128.2549	1147.9531	1174.8376
3800.0	1055.2974	1059.0642	1064.5432	1081.9990	1098.8025	1115.3782	1132.3814	1152.3857	1179.7314
3810.0	1058.7864	1062.5845	1068.1091	1085.7019	1102.6326	1119.3491	1136.5330	1156.8513	1184.6599

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PRESSURE = 5.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1062.2854	1066.1162	1071.6863	1089.4150	1106.4790	1123.3408	1140.7097	1161.3489	1189.6233
3830.0	1065.7949	1069.6602	1075.2754	1093.1443	1110.3438	1127.3533	1144.9116	1165.8816	1194.6243
3840.0	1069.3162	1073.2136	1078.8762	1096.8875	1114.2253	1131.3570	1149.1404	1170.4490	1199.6602
3850.0	1072.8462	1076.7798	1082.4912	1100.6470	1118.1262	1135.4434	1153.3972	1175.0518	1204.7358
3860.0	1076.3882	1080.3577	1086.1179	1104.4216	1122.0459	1139.5222	1157.6804	1179.6914	1209.8474
3870.0	1079.9417	1083.9475	1089.7568	1108.2117	1125.9846	1143.6230	1161.9932	1184.3672	1214.9963
3880.0	1083.5061	1087.5488	1093.4089	1112.0186	1129.9412	1147.7483	1166.3345	1189.0806	1220.1848
3890.0	1087.0845	1091.1646	1097.0759	1115.8420	1133.9197	1151.8975	1170.7061	1193.8333	1225.4146
3900.0	1090.6721	1094.7900	1100.7551	1119.6826	1137.9177	1156.0703	1175.1072	1198.6238	1230.6812
3910.0	1094.2734	1098.4297	1104.4495	1123.5396	1141.9365	1160.2693	1179.5400	1203.4539	1235.9883
3920.0	1097.8857	1102.0823	1108.1567	1127.4146	1145.9761	1164.4927	1184.0034	1208.3247	1241.3364
3930.0	1101.5120	1105.7483	1111.8792	1131.3076	1150.0376	1168.7429	1188.4998	1213.2358	1246.7256
3940.0	1105.1504	1109.4290	1115.6167	1135.2188	1154.1221	1173.0200	1193.0291	1218.1892	1252.1558
3950.0	1108.8018	1113.1226	1119.3677	1139.1482	1158.2273	1177.3242	1197.5919	1223.1838	1257.6274
3960.0	1112.4673	1116.8306	1123.1360	1143.0981	1162.3569	1181.6567	1202.1892	1228.2217	1263.1426
3970.0	1116.1460	1120.5532	1126.9182	1147.0662	1166.5100	1186.0171	1206.8218	1233.3040	1268.7012
3980.0	1119.8374	1124.2893	1130.7170	1151.0540	1170.6865	1190.4063	1211.4493	1238.4299	1274.3025
3990.0	1123.5430	1128.0415	1134.5320	1155.0618	1174.8879	1194.8254	1216.1936	1243.6013	1279.9473
4000.0	1127.2649	1131.8093	1138.3638	1159.0916	1179.1143	1199.2749	1220.9348	1248.8169	1285.6375

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PRESSURE = 6.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
2760.0	726.1938	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	739.9639	742.9836	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	743.8218	745.8665	748.9199	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
2890.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
2900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
2910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2920.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
2930.0	776.2402	778.4097	781.6511	792.3157	802.7727	813.0286	823.0901	832.9602	839.7600
2940.0	779.2722	781.4546	784.7136	795.4343	805.9436	816.2505	826.3596	836.2737	843.1189
2950.0	782.3079	784.5022	787.7786	798.5557	809.1184	819.4749	829.6313	839.5913	846.4819
2960.0	785.3459	787.5527	790.8462	801.6799	812.2957	822.7026	832.9067	842.9119	849.8486
2970.0	788.3860	790.6052	793.9170	804.8066	815.4758	825.9331	836.1851	846.2354	853.2207
2980.0	791.4299	793.6611	796.9905	807.9368	818.6587	829.1667	839.4663	849.5620	856.5979
2990.0	794.4756	796.7192	800.0669	811.0693	821.8447	832.4031	842.7507	852.8916	859.9797
3000.0	797.5239	799.7800	803.1453	814.2043	825.0334	835.6426	846.0378	856.2246	863.3657
3010.0	800.5752	802.8435	806.2275	817.3433	828.2256	838.8853	849.3284	859.5613	866.7588
3020.0	803.6299	805.9102	809.3125	820.4851	831.4214	842.1309	852.6223	862.9016	870.1565
3030.0	806.6865	808.9802	812.3999	823.6304	834.6196	845.3804	855.9197	866.2454	873.5601
3040.0	809.7463	812.0522	815.4902	826.7781	837.8208	848.6323	859.2200	869.5916	876.9688
3050.0	812.8091	815.1279	818.5845	829.9294	841.0261	851.8884	862.5242	872.9434	880.3845
3060.0	815.8748	818.2063	821.6809	833.0835	844.2339	855.1482	865.8315	876.2986	883.8062
3070.0	818.9429	821.2874	824.7813	836.2410	847.4458	858.4106	869.1431	879.6570	887.2346
3080.0	822.0142	824.3721	827.8833	839.4019	850.6606	861.6765	872.4580	883.0205	890.6702
3090.0	825.0889	827.4592	830.9890	842.5662	853.8796	864.9465	875.7764	886.3875	894.1118
3100.0	828.1658	830.5493	834.0989	845.7336	857.1018	868.2202	879.0991	889.7590	897.5618
3110.0	831.2471	833.6431	837.2109	848.9053	860.3271	871.4976	882.4255	893.1343	901.0190
3120.0	834.3306	836.7400	840.3269	852.0798	863.5569	874.7788	885.7561	896.5159	904.4851
3130.0	837.4170	839.8398	843.4458	855.2578	866.7900	878.0640	889.0908	899.9014	907.9578
3140.0	840.5066	842.9424	846.5688	858.4402	870.0273	881.3528	892.4297	903.2913	911.4387
3150.0	843.5996	846.0491	849.6934	861.6252	873.2676	884.6460	895.7722	906.6851	914.9290
3160.0	846.6963	849.1597	852.8237	864.8142	876.5125	887.9436	899.1204	910.0864	918.4280
3170.0	849.7959	852.2727	855.9561	868.0076	879.7615	891.2446	902.4722	913.4915	921.9360
3180.0	852.8999	855.3901	859.0933	871.2051	883.0146	894.5508	905.8296	916.9026	925.4551
3190.0	856.0056	858.5105	862.2324	874.4058	886.2715	897.8616	909.1902	920.3184	928.9824
3200.0	859.1165	861.6335	865.3762	877.6106	889.5332	901.1763	912.5571	923.7410	932.5203
3210.0	862.2300	864.7617	868.5239	880.8191	892.7988	904.4951	915.9282	927.1687	936.0684
3220.0	865.3474	867.8931	871.6758	884.0327	896.0686	907.8193	919.3054	930.6025	939.6267
3230.0	868.4675	871.0281	874.8306	887.2498	899.3438	911.1482	922.6868	934.0435	943.1973
3240.0	871.5918	874.1665	877.9890	890.4712	902.6230	914.4819	926.0740	937.4897	946.7783
3250.0	874.7195	877.3083	881.1521	893.6968	905.9063	917.8210	929.4656	940.9436	950.3723
3260.0	877.8511	880.4558	884.3196	896.9275	909.1951	921.1646	932.8643	944.4038	953.9768
3270.0	880.9875	883.6055	887.4907	900.1628	912.4893	924.5144	936.2683	947.8716	957.5945

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PRESSURE = 1.0000
TEMPERATURE / FUEL/AIR RATIO

DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
1290.0	884.1274	886.7603	890.6663	903.4023	915.7874	927.8689	939.6782	951.3459	961.2241
1300.0	887.2694	889.9185	893.8456	906.6455	919.0906	931.2290	943.0938	954.8279	964.8669
1310.0	890.4175	893.0866	897.0091	909.8945	922.3997	934.5962	946.5166	958.3179	968.5236
1320.0	893.5686	896.2471	900.2178	913.1487	925.7141	937.9658	949.9448	961.8162	972.1943
1330.0	896.7241	899.4102	903.4102	916.4075	929.0332	941.3428	953.3801	965.3218	975.8787
1340.0	899.8831	902.5942	906.6069	919.6714	932.3582	944.7266	956.8220	968.8367	979.5767
1350.0	903.0479	905.7729	909.8088	922.9399	935.6885	948.1155	960.2705	972.3594	983.2913
1360.0	906.2154	908.9563	913.0151	926.2136	939.0244	951.5107	963.7263	975.8921	987.0198
1370.0	909.3884	912.1428	916.2268	929.4919	942.3672	954.9136	967.1897	979.4343	990.7642
1380.0	912.5652	915.3346	919.4424	932.7783	945.7141	958.3214	970.6602	982.9844	994.5237
1390.0	915.7466	918.5366	922.6626	936.0684	949.0684	961.7375	974.1387	986.5457	998.3005
1400.0	918.9329	921.7388	925.8884	939.3645	952.4287	965.1594	977.6243	990.1165	1002.0923
1410.0	922.1231	924.9465	929.1189	942.6660	955.7954	968.5891	981.1189	993.6978	1005.9028
1420.0	925.3186	928.1580	932.3550	945.9727	959.1680	972.0246	984.6208	997.2900	1009.7288
1430.0	928.5186	931.3755	935.5962	949.2866	962.5483	975.4696	988.1326	1000.8933	1013.5745
1440.0	931.7236	934.5977	938.8425	952.6062	965.9346	978.9201	991.6523	1004.5081	1017.4375
1450.0	934.9329	937.8254	942.0952	955.9319	969.3281	982.3794	995.1809	1008.1350	1021.3188
1460.0	938.1467	941.0579	945.3523	959.2634	972.7288	985.8467	998.7188	1011.7732	1025.2183
1470.0	941.3684	944.2952	948.6150	962.6018	976.1362	989.3227	1002.2659	1015.4241	1029.1372
1480.0	944.5933	947.5393	951.8838	965.9468	979.5515	992.8057	1005.8235	1019.0876	1033.0752
1490.0	947.8215	950.7886	955.1587	969.2983	982.9739	996.2976	1009.3899	1022.7646	1037.0362
1500.0	951.0594	954.0422	958.4387	972.6567	986.4038	999.7983	1012.9675	1026.4558	1041.0132
1510.0	954.3010	957.3035	961.7256	976.0222	989.8423	1003.3083	1016.5559	1030.1611	1045.0127
1520.0	957.5479	960.5691	965.0186	979.3953	993.2883	1006.8271	1020.1545	1033.8804	1049.0334
1530.0	960.8004	963.8406	968.3174	982.7747	996.7424	1010.3550	1023.7632	1037.6134	1053.0747
1540.0	964.0591	967.1194	971.6228	986.1626	1000.2061	1013.8933	1027.3850	1041.3638	1057.1387
1550.0	967.3230	970.4011	974.9341	989.5571	1003.6770	1017.4409	1031.0181	1045.1284	1061.2251
1560.0	970.5933	973.6931	978.2522	992.9590	1007.1570	1020.9990	1034.6633	1048.9097	1065.3328
1570.0	973.8694	976.9910	981.5781	996.3699	1010.6465	1024.5667	1038.3198	1052.7075	1069.4648
1580.0	977.1523	980.2930	984.9099	999.7876	1014.1450	1028.1458	1041.9897	1056.5222	1073.6189
1590.0	980.4407	983.6030	988.2490	1003.2148	1017.6526	1031.7356	1045.6726	1060.3545	1077.7983
1600.0	983.7356	986.9192	991.5947	1006.6497	1021.1704	1035.3357	1049.3684	1064.2046	1082.0002
1610.0	987.0353	990.2419	994.9485	1010.0925	1024.6973	1038.9475	1053.0781	1068.0735	1086.2271
1620.0	990.3452	993.5732	998.3091	1013.5449	1028.2351	1042.5718	1056.8025	1071.9619	1090.4797
1630.0	993.6594	996.9099	1001.6770	1017.0061	1031.7817	1046.2075	1060.5403	1075.8687	1094.7571
1640.0	996.9817	1000.2549	1005.0535	1020.4761	1035.3396	1049.8558	1064.2935	1079.7961	1099.0610
1650.0	1000.3103	1003.6055	1008.4363	1023.9548	1038.9082	1053.5151	1068.0608	1083.7441	1103.3904
1660.0	1003.6465	1006.9656	1011.8291	1027.4446	1042.4883	1057.1887	1071.8452	1087.7141	1107.7463
1670.0	1006.9902	1010.3345	1015.2285	1030.9421	1046.0765	1060.8745	1075.6445	1091.7048	1112.1296
1680.0	1010.3391	1013.7070	1018.6365	1034.4514	1049.6819	1064.5758	1079.4617	1095.7195	1116.5405
1690.0	1013.6963	1017.0881	1022.0527	1037.9688	1053.2954	1068.2881	1083.2942	1099.7542	1120.9785
1700.0	1017.0623	1020.4797	1025.4775	1041.4978	1056.9216	1072.0159	1087.1438	1103.8125	1125.4446
1710.0	1020.4353	1023.8782	1028.9116	1045.0364	1060.5598	1075.7583	1091.0117	1107.8962	1129.9407
1720.0	1023.8162	1027.2852	1032.3547	1048.5862	1064.2104	1079.5146	1094.8975	1112.0037	1134.4639
1730.0	1027.2054	1030.7009	1035.8065	1052.1472	1067.8714	1083.2877	1098.8015	1116.1372	1139.0183
1740.0	1030.6030	1034.1240	1039.2668	1055.7183	1071.5513	1087.0742	1102.7244	1120.2949	1143.6021
1750.0	1034.0095	1037.5576	1042.7378	1059.3022	1075.2419	1090.8772	1106.6680	1124.4797	1148.2163
1760.0	1037.4236	1040.9998	1046.2175	1062.8965	1078.9460	1094.6975	1110.6309	1128.6919	1152.8621
1770.0	1040.8457	1044.4504	1049.7073	1066.5037	1082.6638	1098.5338	1114.6138	1132.9302	1157.5376
1780.0	1044.2771	1047.9109	1053.2070	1070.1216	1086.3953	1102.3865	1118.6182	1137.1975	1162.2451
1790.0	1047.7180	1051.3801	1056.7175	1073.7524	1090.1422	1106.2567	1122.6433	1141.4912	1166.9869
1800.0	1051.1677	1054.8596	1060.2380	1077.3965	1093.9038	1110.1453	1126.6912	1145.8193	1171.7581
1810.0	1054.6265	1058.3491	1063.7690	1081.0535	1097.6816	1114.0532	1130.7615	1150.1750	1176.5652
1820.0	1058.0962	1061.8489	1067.3103	1084.7231	1101.4741	1117.9788	1134.8555	1154.5615	1181.4045

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PRESSURE = 6.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1061.5737	1065.3577	1070.8635	1088.4058	1105.2827	1121.9219	1138.9714	1158.9785	1186.2766
3830.0	1065.0620	1068.8777	1074.4275	1092.1028	1109.1074	1125.8862	1143.1121	1163.4277	1191.1841
3840.0	1068.5593	1072.4082	1078.0032	1095.8127	1112.9480	1129.8694	1147.2776	1167.9092	1196.1255
3850.0	1072.0674	1075.9497	1081.5901	1099.5381	1116.8069	1133.8748	1151.4690	1172.4253	1201.1050
3860.0	1075.5869	1079.5020	1085.1892	1103.2771	1120.6829	1137.8994	1155.6853	1176.9744	1206.1179
3870.0	1079.1162	1083.0652	1088.8000	1107.0313	1124.5767	1141.9430	1159.9280	1181.5574	1211.1665
3880.0	1082.6558	1086.6409	1092.4229	1110.8005	1128.4880	1146.0137	1164.1980	1186.1760	1216.2522
3890.0	1086.2073	1090.2268	1096.0586	1114.5850	1132.4185	1150.1045	1168.4956	1190.8311	1221.3767
3900.0	1089.7690	1093.8250	1099.7075	1118.3857	1136.3672	1154.2178	1172.8210	1195.5217	1226.5386
3910.0	1093.3425	1097.4353	1103.3691	1122.2019	1140.3354	1158.3540	1177.1750	1200.2493	1231.7351
3920.0	1096.9272	1101.0583	1107.0432	1126.0342	1144.3232	1162.5146	1181.5593	1205.0156	1236.9719
3930.0	1100.5234	1104.6934	1110.7314	1129.8848	1148.3318	1166.6987	1185.9731	1209.8201	1242.2490
3940.0	1104.1326	1108.3411	1114.4338	1133.7510	1152.3604	1170.9080	1190.4177	1214.6633	1247.5645
3950.0	1107.7534	1112.0024	1118.1504	1137.6348	1156.4097	1175.1421	1194.8926	1219.5452	1252.9182
3960.0	1111.3867	1115.6768	1121.8799	1141.5369	1160.4810	1179.4036	1199.4004	1224.4692	1258.3147
3970.0	1115.0342	1119.3647	1125.6260	1145.4568	1164.5737	1183.6897	1203.9407	1229.4338	1263.7515
3980.0	1118.6921	1123.0652	1129.3850	1149.3943	1168.6887	1188.0032	1208.5137	1234.4390	1269.2283
3990.0	1122.3633	1126.7798	1133.1604	1153.3508	1172.8269	1192.3445	1213.1201	1239.4871	1274.7478
4000.0	1126.0496	1130.5098	1136.9502	1157.3271	1176.9873	1196.7129	1217.7622	1244.5784	1280.3096

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PRESSURE = 7.0000

TEMPERATURE / DEGREES R	FUEL/AIR RATIO 0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
2760.0	726.1938	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	743.8219	745.8665	748.9199	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
2890.0	764.4338	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
2900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
2910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2920.0	773.2823	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
2930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
2940.0	779.1865	781.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0452
2950.0	782.2090	784.4028	787.6794	798.4563	809.0220	819.3828	829.5457	839.5151	846.3936
2960.0	785.2463	787.4526	790.7461	801.5793	812.1982	822.6094	832.8196	842.8340	849.7571
2970.0	788.2861	790.50	793.8159	804.7051	815.3770	825.8384	836.0957	846.1555	853.1250
2980.0	791.3291	793.55.6	796.8887	807.8340	818.5583	829.0710	839.3757	849.4795	856.4971
2990.0	794.3743	796.6167	799.9636	810.9658	821.7429	832.3057	842.6587	852.8081	859.8740
3000.0	797.4214	799.6765	803.0417	814.0991	824.9307	835.5435	845.9429	856.1384	863.2559
3010.0	800.4724	802.7397	806.1228	817.2373	828.1211	838.7839	849.2324	859.4727	866.6423
3020.0	803.5256	805.8054	809.2061	820.3777	831.3149	842.0283	852.5242	862.8103	870.0356
3030.0	806.5815	808.8735	812.2927	823.5212	834.5117	845.2761	855.8191	866.1511	873.4331
3040.0	809.6404	811.9453	815.3821	826.6680	837.7114	848.5261	859.1169	869.4949	876.8357
3050.0	812.7026	815.0195	818.4753	829.8174	840.9150	851.7808	862.4194	872.8440	880.2456
3060.0	815.7671	818.0969	821.5703	832.9702	844.1211	855.0376	865.7249	876.1958	883.6609
3070.0	818.8345	821.1772	824.6689	836.1262	847.3311	858.2976	869.0327	879.5510	887.0818
3080.0	821.9043	824.2600	827.7700	839.2849	850.5442	861.5623	872.3455	882.9106	890.5095
3090.0	824.9775	827.3462	830.8752	842.4478	853.7605	864.8296	875.6614	886.2744	893.9438
3100.0	828.0532	830.4346	833.9827	845.6133	856.9802	868.1008	878.9810	889.6426	897.3857
3110.0	831.1328	833.5271	837.0935	848.7825	860.2039	871.3750	882.3042	893.0139	900.8340
3120.0	834.2153	836.6226	840.2073	851.9553	863.4314	874.6538	885.6318	896.3906	904.2905
3130.0	837.3005	839.7207	843.3250	855.1311	866.6614	877.9360	888.9629	899.7712	907.7542
3140.0	840.3892	842.8230	846.4456	858.3113	869.8962	881.2219	892.2986	903.1570	911.2261
3150.0	843.4812	845.9280	849.5693	861.4941	873.1340	884.5115	895.6375	906.5471	914.7053
3160.0	846.5759	849.0364	852.6970	864.6814	876.3760	887.8062	898.9814	909.9424	918.1934
3170.0	849.6741	852.1482	855.8284	867.8718	879.6223	891.1042	902.3298	913.3425	921.6907
3180.0	852.7756	855.2627	858.9626	871.0667	882.8728	894.4067	905.6826	916.7476	925.1975
3190.0	855.8804	858.3821	862.1006	874.2659	886.1265	897.7129	909.0398	920.1577	928.7122
3200.0	858.9893	861.5032	865.2422	877.4663	889.3848	901.0244	912.4016	923.5737	932.2371
3210.0	862.1001	864.6292	868.3872	880.6724	892.6467	904.3394	915.7683	926.9956	935.7717
3220.0	865.2154	867.7578	871.5361	883.8831	895.9131	907.6599	919.1399	930.4233	939.3169
3230.0	868.3340	870.8906	874.6887	887.0974	899.1851	910.9846	922.5164	933.8567	942.8728
3240.0	871.4561	874.0269	877.8450	890.3154	902.4595	914.3135	925.8979	937.2961	946.4382
3250.0	874.5815	877.1667	881.0054	893.5374	905.7395	917.6477	929.2847	940.7419	950.0161
3260.0	877.7112	880.3103	884.1699	896.7646	909.0242	920.9871	932.6772	944.1936	953.6045
3270.0	880.8438	883.4583	887.3386	899.9954	912.3135	924.3313	936.0752	947.6533	957.2056

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TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	883.9814	886.6104	890.5107	903.2317	915.6072	927.6802	939.4790	951.1187	960.8181
3290.0	887.1221	889.7654	893.6868	906.4722	918.9058	931.0347	942.8877	954.5923	964.4424
3300.0	890.2668	892.9248	896.8674	909.7166	922.2097	934.3943	946.3032	958.0718	968.0798
3310.0	893.4158	896.0884	900.0522	912.9656	925.5193	937.7605	949.7246	961.5608	971.7317
3320.0	896.5684	899.2563	903.2412	916.2202	928.8333	941.1311	953.1523	965.0559	975.3948
3330.0	899.7241	902.4277	906.4348	919.4795	932.1528	944.5083	956.5862	968.5601	979.0728
3340.0	902.8853	905.6042	909.6323	922.7437	935.4775	947.8901	960.0264	972.0713	982.7646
3350.0	906.0496	908.7849	912.8345	926.0125	938.8076	951.2786	963.4736	975.5916	986.4714
3360.0	909.2195	911.9697	916.0415	929.2871	942.1440	954.6746	966.9290	979.1216	990.1926
3370.0	912.3923	915.1589	919.2532	932.5667	945.4854	958.0747	970.3899	982.6587	993.9282
3380.0	915.5706	918.3525	922.4697	935.8508	948.8323	961.4829	973.8582	986.2063	997.6804
3390.0	918.7527	921.5508	925.6907	939.1414	952.1860	964.8962	977.3342	989.7629	1001.4473
3400.0	921.9385	924.7539	928.9170	942.4365	955.5452	968.3171	980.8184	993.3308	1005.2312
3410.0	925.1299	927.9614	932.1477	945.7375	958.9106	971.7446	984.3093	996.9070	1009.0305
3420.0	928.3262	931.1741	935.3840	949.0447	962.2832	975.1797	987.8096	1000.4944	1012.8444
3430.0	931.5266	934.3911	938.6255	952.3577	965.6614	978.6218	991.3176	1004.0928	1016.6824
3440.0	934.7319	937.6145	941.8716	955.6768	969.0464	982.0713	994.8340	1007.7019	1020.5342
3450.0	937.9417	940.8416	945.1235	959.0017	972.4387	985.5281	998.3594	1011.3220	1024.4036
3460.0	941.1570	944.0740	948.3806	962.3323	975.8372	988.9922	1001.8933	1014.9543	1028.2915
3470.0	944.3774	947.3123	951.6436	965.6702	979.2432	992.4644	1005.4365	1018.5991	1032.1980
3480.0	947.6023	950.5554	954.9114	969.0129	982.6560	995.9451	1008.9893	1022.2556	1036.1235
3490.0	950.8328	953.8040	958.1863	972.3638	986.0762	999.4338	1012.5522	1025.9255	1040.0691
3500.0	954.0688	957.0586	961.4658	975.7207	989.5044	1002.9316	1016.1248	1029.6084	1044.0330
3510.0	957.3091	960.3169	964.7507	979.0837	992.9397	1006.4377	1019.7078	1033.3052	1048.0178
3520.0	960.5554	963.5830	968.0432	982.4546	996.3831	1009.9521	1023.3003	1037.0149	1052.0234
3530.0	963.8074	966.8545	971.3413	985.8325	999.8347	1013.4768	1026.9043	1040.7400	1056.0494
3540.0	967.0654	970.1306	974.6448	989.2178	1003.2942	1017.0098	1030.5193	1044.4797	1060.0967
3550.0	970.3286	973.4141	977.9551	992.6096	1006.7620	1020.5532	1034.1455	1048.2341	1064.1660
3560.0	973.5977	976.7031	981.2727	996.0095	1010.385	1024.1057	1037.7832	1052.0042	1068.2568
3570.0	976.8726	979.9980	984.5950	999.4172	1013.7236	1027.6680	1041.4329	1055.7908	1072.3694
3580.0	980.1541	983.3005	987.9260	1002.8325	1017.2178	1031.2417	1045.0955	1059.5935	1076.5051
3590.0	983.4407	986.6084	991.2620	1006.2561	1020.7209	1034.8245	1048.7693	1063.4128	1080.6641
3600.0	986.7341	989.9226	994.6042	1009.6873	1024.2334	1038.4194	1052.4565	1067.2502	1084.8464
3610.0	990.0347	993.2439	997.9573	1013.1267	1027.7556	1042.0249	1056.1572	1071.1062	1089.0530
3620.0	993.3403	996.5713	1001.3152	1016.5745	1031.2874	1045.6404	1059.8718	1074.9790	1093.2839
3630.0	996.6526	999.9065	1004.6807	1020.0313	1034.8293	1049.2693	1063.5999	1078.8711	1097.5386
3640.0	999.9724	1003.2476	1008.0532	1023.4968	1038.3809	1052.9089	1067.3420	1082.7822	1101.8188
3650.0	1003.2988	1006.5979	1011.4336	1026.9719	1041.9431	1056.5613	1071.0991	1086.7146	1106.1248
3660.0	1006.6311	1009.9531	1014.8223	1030.4546	1045.5164	1060.2256	1074.8713	1090.6660	1110.4556
3670.0	1009.9724	1013.3169	1018.2180	1033.9482	1049.1003	1063.9026	1078.6592	1094.6389	1114.8145
3680.0	1013.3191	1016.6877	1021.6213	1037.4507	1052.6946	1067.5930	1082.4619	1098.6328	1119.1980
3690.0	1016.6731	1020.0671	1025.0337	1040.9626	1056.3013	1071.2957	1086.2810	1102.6482	1123.6086
3700.0	1020.0359	1023.4536	1028.4548	1044.4856	1059.9194	1075.0129	1090.1179	1106.6875	1128.0488
3710.0	1023.4048	1026.8477	1031.8835	1048.0176	1063.5488	1078.7439	1093.9702	1110.7490	1132.5146
3720.0	1026.7827	1030.2500	1035.3215	1051.5605	1067.1907	1082.4897	1097.8411	1114.8345	1137.0095
3730.0	1030.1670	1033.6604	1038.7671	1055.1130	1070.8442	1086.2485	1101.7290	1118.9436	1141.5327
3740.0	1033.5605	1037.0803	1042.2231	1058.6777	1074.5117	1090.0242	1105.6355	1123.0776	1146.0852
3750.0	1036.9614	1040.5085	1045.6882	1062.2529	1078.1917	1093.8140	1109.5610	1127.2375	1150.6680
3760.0	1040.3708	1043.9443	1049.1619	1065.8391	1081.8840	1097.6191	1113.5056	1131.4221	1155.2793
3770.0	1043.7878	1047.3894	1052.6450	1069.4360	1085.5906	1101.4409	1117.4700	1135.6343	1159.9211
3780.0	1047.2141	1050.8438	1056.1382	1073.0461	1089.3103	1105.2788	1121.4536	1139.8726	1164.5940
3790.0	1050.6494	1054.3071	1059.6411	1076.6672	1093.0447	1109.1335	1125.4595	1144.1401	1169.2988
3800.0	1054.0920	1057.7805	1063.1538	1080.3005	1096.7937	1113.0071	1129.4849	1148.4358	1174.0347
3810.0	1057.5459	1061.2627	1066.6772	1083.9470	1100.5579	1116.8960	1133.5339	1152.7595	1178.8025

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TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1061.0073	1064.7549	1070.2112	1087.6045	1104.3354	1120.8025	1137.6033	1157.1125	1183.6021
3830.0	1064.4780	1068.2563	1073.7549	1091.2769	1108.1294	1124.7285	1141.6958	1161.4968	1188.6355
3840.0	1067.9582	1071.7686	1077.3091	1094.9607	1111.9385	1128.6726	1145.8115	1165.9102	1193.3019
3850.0	1071.4487	1075.2903	1080.8760	1098.6589	1115.7642	1132.6370	1149.9512	1170.3549	1198.2024
3860.0	1074.9500	1078.8230	1084.4529	1102.3706	1119.6057	1136.6199	1154.1145	1174.8337	1203.1357
3870.0	1078.4600	1082.3662	1088.0417	1106.0964	1123.4648	1140.6233	1158.3030	1179.3440	1208.1045
3880.0	1081.9795	1085.9197	1091.6409	1109.8359	1127.3394	1144.6475	1162.5161	1183.8882	1213.1082
3890.0	1085.5112	1089.4846	1095.2534	1113.5911	1131.2334	1148.6921	1166.7569	1188.4663	1218.1484
3900.0	1089.0513	1093.0605	1098.8779	1117.3604	1135.1440	1152.7578	1171.0222	1193.0776	1223.2236
3910.0	1092.6042	1096.6482	1102.5139	1121.1443	1139.0725	1156.8455	1175.3152	1197.7246	1228.3350
3920.0	1096.1672	1100.2473	1106.1638	1124.9441	1143.0200	1160.9561	1179.6357	1202.4072	1233.4829
3930.0	1099.7407	1103.8574	1109.8247	1128.7595	1146.9858	1165.0886	1183.9841	1207.1270	1238.6689
3940.0	1103.3276	1107.4812	1113.4993	1132.5913	1150.9719	1169.2449	1188.3618	1211.8826	1243.8918
3950.0	1106.9233	1111.1157	1117.1875	1136.4392	1154.9768	1173.4248	1192.7686	1216.6755	1249.1521
3960.0	1110.5330	1114.7639	1120.8877	1140.3044	1159.0020	1177.6296	1197.2061	1221.5081	1254.4524
3970.0	1114.1536	1118.4238	1124.6040	1144.1855	1163.0481	1181.8584	1201.6741	1226.3794	1259.7920
3980.0	1117.7859	1122.0979	1128.3323	1148.0847	1167.1152	1186.1128	1206.1726	1231.2888	1265.1699
3990.0	1121.4324	1125.7834	1132.0759	1151.9007	1171.2031	1190.3923	1210.7031	1236.2393	1270.5881
4000.0	1125.0891	1129.4839	1135.8337	1155.8353	1175.3130	1194.6990	1215.2666	1241.2305	1276.0471

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PRESSURE = 8.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
[illegible]	726.1938	728.1704	[illegible]	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
[illegible]	[illegible]	745.8665	748.9199	758.9663	768.8176	778.4795	787.9580	797.2571	803.4628
830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
880.0	761.4861	763.5994	766.7544	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
890.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
920.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
940.0	779.1865	781.3687	784.6270	795.3479	805.8604	816.1711	826.2861	836.2092	843.0452
950.0	782.1399	784.3335	787.6089	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354
960.0	785.1002	787.3655	790.6580	801.4919	812.1135	822.5298	832.7463	842.7676	849.6821
970.0	788.1992	790.4175	793.7273	804.6165	815.2915	825.7576	836.0210	846.0876	853.0466
980.0	791.2417	793.4714	796.7996	807.7446	818.4717	828.9885	839.2998	849.4099	856.4153
990.0	794.2861	796.5281	799.8738	810.8750	821.6553	832.2222	842.5806	852.7368	859.7888
000.0	797.3323	799.5874	802.9507	814.0083	824.8418	835.4587	845.8645	856.0654	863.1663
010.0	800.3831	802.6492	806.0308	817.1448	828.0313	838.6987	849.1519	859.3975	866.5491
020.0	803.4358	805.7139	809.1135	820.2844	831.2236	841.9409	852.4424	862.7329	869.9373
030.0	806.4905	808.7820	812.1987	823.4260	834.4194	845.1870	855.7356	866.0723	873.3301
040.0	809.5491	811.8521	815.2876	826.5718	837.6179	848.4353	859.0313	869.4138	876.7273
050.0	812.6104	814.9255	818.3794	829.7205	840.8198	851.6880	862.3320	872.7595	880.1328
060.0	815.6738	818.0022	821.4739	832.8718	844.0249	854.9438	865.6353	876.1091	883.5422
070.0	818.7402	821.0813	824.5710	836.0264	847.2327	858.2019	868.9414	879.4622	886.9575
080.0	821.8098	824.1631	827.6714	839.1841	850.4438	861.4639	872.2512	882.8184	890.3799
090.0	824.8821	827.2488	830.7751	842.3450	853.6592	864.7297	875.5652	886.1792	893.8076
100.0	827.9570	830.3362	833.8816	845.5095	856.8770	867.9990	878.8821	889.5442	897.2427
110.0	831.0354	833.4275	836.9912	848.6775	860.0986	871.2712	882.2034	892.9124	900.6836
120.0	834.1167	836.5215	840.1038	851.8479	863.3237	874.5479	885.5281	896.2859	904.1331
130.0	837.2007	839.6191	843.2197	855.0222	866.5527	877.8281	888.8569	899.6628	907.5884
140.0	840.2881	842.7192	846.3396	858.2004	869.7852	881.1113	892.1895	903.0449	911.0522
150.0	843.3784	845.8230	849.4619	861.3821	873.0210	884.3987	895.5256	906.4312	914.5239
160.0	846.4727	848.9302	852.5879	864.5667	876.2605	887.6902	898.8665	909.8220	918.0027
170.0	849.5691	852.0405	855.7166	867.7551	879.5042	890.9858	902.2114	913.2178	921.4900
180.0	852.6692	855.1538	858.8506	870.9478	882.7520	894.2856	905.5604	916.6196	924.9873
190.0	855.7720	858.2708	861.9856	874.1433	886.0029	897.5889	908.9138	920.0239	928.4927
200.0	858.8796	861.3906	865.1262	877.3435	889.2585	900.8970	912.2725	923.4353	932.0071
210.0	861.9895	864.5146	868.2688	880.5469	892.5183	904.2095	915.6353	926.8523	935.5303
220.0	865.1030	867.6426	871.4163	883.7549	895.7815	907.5254	919.0029	930.2737	939.0649
230.0	868.2205	870.7729	874.5671	886.9668	899.1500	910.8467	922.3760	933.7017	942.6077
240.0	871.3403	873.9072	877.7217	890.1819	902.4218	914.1726	925.7527	937.1353	946.1619
250.0	874.4641	877.0452	880.8787	893.4016	905.6981	917.5027	929.1348	940.5750	949.7261
260.0	877.5918	880.1870	884.0405	896.6255	908.9796	920.8381	932.5220	944.0208	953.3015
270.0	880.7224	883.3323	887.2070	899.8542	912.1655	924.1777	935.9153	947.4731	956.8882

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TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	883.8584	886.4822	890.3772	903.0867	915.4558	927.5229	939.3132	950.9316	960.4854
3290.0	886.9954	889.6350	893.5503	906.3237	918.7505	930.8723	942.7175	954.3972	964.0977
3300.0	890.1383	892.7922	896.7283	909.5654	922.0508	934.2278	946.1270	957.8699	967.7185
3310.0	893.2852	895.9536	899.9106	912.8110	925.3557	937.5886	949.5422	961.3494	971.3533
3320.0	896.4351	899.1182	903.0967	916.0615	928.6650	940.9546	952.9639	964.8362	975.0000
3330.0	899.5891	902.2876	906.2874	919.3174	931.9805	944.3257	956.3921	968.3315	978.6619
3340.0	902.7471	905.4604	909.4819	922.5774	935.3000	947.7029	959.8257	971.8337	982.3352
3350.0	905.9097	908.6389	912.6814	925.8423	938.6257	951.0857	963.2656	975.3447	986.0234
3360.0	909.0764	911.8201	915.8855	929.1128	941.9573	954.4753	966.7139	978.8643	989.7266
3370.0	912.2471	915.0063	919.0933	932.3872	945.2932	957.8701	970.1670	982.3918	993.4419
3380.0	915.4214	918.1965	922.3059	935.6675	948.6353	961.2710	973.6279	985.9287	997.1738
3390.0	918.6001	921.3914	925.5239	938.9531	951.9827	964.6777	977.0952	989.4734	1000.9199
3400.0	921.7830	924.5911	928.7461	942.2434	955.3364	968.0923	980.5710	993.0288	1004.6819
3410.0	924.9712	927.7954	931.9724	945.5398	958.6960	971.5122	984.0532	996.5930	1008.4595
3420.0	928.1636	931.0039	935.2043	948.8423	962.0623	974.9399	987.5442	1000.1672	1012.2539
3430.0	931.3604	934.2178	938.4417	952.1489	965.4346	978.3738	991.0425	1003.7522	1016.0642
3440.0	934.5630	937.4365	941.6836	955.4626	968.8120	981.8154	994.5493	1007.3479	1019.8918
3450.0	937.7686	940.6597	944.9309	958.7817	972.1968	985.2639	998.0642	1010.9534	1023.7358
3460.0	940.9795	943.8884	948.1826	962.1064	975.5886	988.7195	1001.5874	1014.5703	1027.5986
3470.0	944.1958	947.1213	951.4414	965.4370	978.9875	992.1831	1005.1199	1018.1987	1031.4778
3480.0	947.4158	950.3594	954.7036	968.7744	982.3918	995.6541	1008.6609	1021.8386	1035.3760
3490.0	950.6426	953.6033	957.9731	972.1179	985.8044	999.1333	1012.2112	1025.4924	1039.2942
3500.0	953.8728	956.8530	961.2471	975.4688	989.2236	1002.6208	1015.7717	1029.1572	1043.2292
3510.0	957.1094	960.1072	964.5276	978.8247	992.6506	1006.1162	1019.3411	1032.8350	1047.1848
3520.0	960.3508	963.3665	967.8130	982.1877	996.0850	1009.6204	1022.9207	1036.5241	1051.1599
3530.0	963.5977	966.6326	971.1045	985.5583	999.5266	1013.1335	1026.5105	1040.2314	1055.1545
3540.0	966.8496	969.9033	974.4026	988.9348	1002.9768	1016.6548	1030.1106	1043.9497	1059.1702
3550.0	970.1077	973.1807	977.7061	992.3184	1006.4346	1020.1860	1033.7219	1047.6836	1063.2045
3560.0	973.3711	976.4641	981.0161	995.7102	1009.9014	1023.7258	1037.3442	1051.4307	1067.2634
3570.0	976.6396	979.7529	984.3325	999.1082	1013.3752	1027.2761	1040.9778	1055.1936	1071.3418
3580.0	979.9153	983.0479	987.6548	1002.5149	1016.8584	1030.8357	1044.6230	1058.9724	1075.4424
3590.0	983.1956	986.3484	990.9846	1005.9287	1020.3499	1034.4048	1048.2793	1062.7678	1079.5649
3600.0	986.4824	989.6563	994.3206	1009.3503	1023.8503	1037.9849	1051.9492	1066.5786	1083.7100
3610.0	989.7756	992.9705	997.6631	1012.7800	1027.3601	1041.5759	1055.6313	1070.4080	1087.8794
3620.0	993.0745	996.2900	1001.0132	1016.2170	1030.8792	1045.1768	1059.3257	1074.2529	1092.0710
3630.0	996.3804	999.6172	1004.3701	1019.6633	1034.4077	1048.7886	1063.0334	1078.1162	1096.2859
3640.0	999.6921	1002.9509	1007.7336	1023.1169	1037.9463	1052.4121	1066.7549	1081.9980	1100.5254
3650.0	1003.0107	1006.2913	1011.1050	1026.5806	1041.4944	1056.0466	1070.4910	1085.8999	1104.7888
3660.0	1006.3354	1009.6394	1014.4841	1030.0520	1045.0527	1059.6931	1074.2400	1089.8191	1109.0781
3670.0	1009.6677	1012.9944	1017.8706	1033.5325	1048.6216	1063.3518	1078.0049	1093.7593	1113.3931
3680.0	1013.0054	1016.3552	1021.2637	1037.0222	1052.2007	1067.0234	1081.7832	1097.7197	1117.7316
3690.0	1016.3518	1019.7256	1024.6658	1040.5210	1055.7908	1070.7068	1085.5774	1101.6997	1122.0964
3700.0	1019.7046	1023.1016	1028.0759	1044.0298	1059.3926	1074.4033	1089.3887	1105.7026	1126.4900
3710.0	1023.0647	1026.4866	1031.4939	1047.5479	1063.0046	1078.1135	1093.2148	1109.7263	1130.9082
3720.0	1026.4321	1029.8792	1034.9207	1051.0764	1066.6289	1081.8389	1097.0576	1113.7729	1135.3547
3730.0	1029.8064	1033.2773	1038.3540	1054.6143	1070.2642	1085.5737	1100.9175	1117.8420	1139.8274
3740.0	1033.1902	1036.6863	1041.7976	1058.1633	1073.9124	1089.3254	1104.7947	1121.9351	1144.3296
3750.0	1036.5803	1040.1030	1045.2500	1061.7222	1077.5723	1093.0920	1108.6899	1126.0525	1148.8599
3760.0	1039.9783	1043.5271	1048.7112	1065.2922	1081.2444	1096.8718	1112.6028	1130.1941	1153.4175
3770.0	1043.3845	1046.9604	1052.1794	1068.8723	1084.9302	1100.6685	1116.5349	1134.3599	1158.0049
3780.0	1046.7987	1050.4021	1055.6537	1072.4639	1088.6287	1104.4807	1120.4858	1138.5530	1162.6221
3790.0	1050.2217	1053.8521	1059.1484	1076.0669	1092.3406	1108.3074	1124.4556	1142.7720	1167.2708
3800.0	1053.6533	1057.3120	1062.6472	1079.6816	1096.0674	1112.1516	1128.4465	1147.0178	1171.9490
3810.0	1057.0930	1060.7800	1066.1553	1083.3091	1099.8071	1116.0122	1132.4575	1151.2915	1176.6572

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TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1060.5410	1064.2576	1069.6729	1086.9470	1103.5601	1119.8892	1136.4895	1155.5920	1141.3960
3830.0	1063.9988	1067.7454	1073.2012	1090.5977	1107.3291	1123.7839	1140.5427	1159.9216	1186.1680
3840.0	1067.4658	1071.2422	1076.7388	1094.2615	1111.1123	1127.6965	1144.6177	1164.2803	1190.9707
3850.0	1070.9414	1074.7478	1080.2881	1097.9373	1114.9111	1131.6277	1148.7161	1168.6704	1195.8081
3860.0	1074.4263	1078.2646	1083.8479	1101.6277	1118.7258	1135.5769	1152.8367	1173.0891	1200.6763
3870.0	1077.9219	1081.7913	1087.4177	1105.3301	1122.5557	1139.5449	1156.9807	1177.5396	1205.5779
3880.0	1081.4253	1085.3274	1090.9993	1109.0454	1126.4016	1143.5327	1161.1484	1182.0212	1210.5132
3890.0	1084.9412	1088.8755	1094.5928	1112.7756	1130.2649	1147.5403	1165.3411	1186.5376	1215.4841
3900.0	1088.4646	1092.4333	1098.1975	1116.5190	1134.1448	1151.5681	1169.5586	1191.0840	1220.4880
3910.0	1091.9993	1096.0034	1101.8127	1120.2773	1138.0410	1155.6165	1173.8013	1195.6638	1225.5271
3920.0	1095.5437	1099.5823	1105.4407	1124.0508	1141.9553	1159.6860	1178.0715	1200.2781	1230.6030
3930.0	1099.0999	1103.1741	1109.0811	1127.8389	1145.8875	1163.7769	1182.3674	1204.9285	1235.7134
3940.0	1102.6670	1106.7759	1112.7334	1131.6414	1149.8381	1167.8904	1186.6909	1209.6135	1240.8601
3950.0	1106.2441	1110.3896	1116.3982	1135.4602	1153.8071	1172.0259	1191.0417	1214.3328	1246.0425
3960.0	1109.8340	1114.0171	1120.0767	1139.2959	1157.7957	1176.1841	1195.4216	1219.0903	1251.2642
3970.0	1113.4336	1117.6550	1123.7676	1143.1465	1161.8037	1180.3667	1199.8301	1223.8848	1256.5225
3980.0	1117.0454	1121.3052	1127.4712	1147.0134	1165.8308	1184.5725	1204.2683	1228.7158	1261.8184
3990.0	1120.6682	1124.9683	1131.1890	1150.8977	1169.8789	1188.8030	1208.7371	1233.5862	1267.1523
4000.0	1124.3044	1128.6443	1134.9202	1154.7979	1173.9470	1193.0583	1213.2354	1238.4951	1272.5261

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TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4440	762.5066	771.3938	777.5159
2750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
2760.0	[illegible]	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8249	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	[illegible]	745.8665	[illegible]	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4861	763.5994	[illegible]	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
2890.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4446	810.2942	819.9565	826.6123
2900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
2910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2920.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8771	819.8853	829.7041	836.4678
2930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0227	823.0852	832.9561	839.7556
2940.0	779.1865	781.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0452
2950.0	782.1399	784.3335	787.6089	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354
2960.0	785.0942	787.2986	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
2970.0	788.1218	790.3396	793.6499	804.5393	815.2163	825.6883	835.9556	846.0278	852.9788
2980.0	791.1433	793.3936	796.7209	807.6443	818.3965	828.9140	839.2327	849.3506	856.3452
2990.0	794.2070	796.4497	799.7947	810.7961	821.5786	832.1449	842.5125	852.6748	859.7161
3000.0	797.2534	799.5013	[illegible]	813.9287	824.7639	835.3840	845.7954	856.0017	863.0894
3010.0	800.3035	802.5691	805.9504	817.0642	827.9521	838.6228	849.0808	859.3325	866.4688
3020.0	803.3555	805.6340	809.0330	820.2029	831.1440	841.8665	852.3699	862.6665	869.8533
3030.0	806.4102	808.7007	812.1179	823.3440	834.3381	845.1086	855.6621	866.0029	873.2419
3040.0	809.4670	811.7703	815.2053	826.4885	837.5354	848.3580	858.9565	869.3425	876.6362
3050.0	812.5273	814.8433	818.2959	829.6357	840.7363	851.6074	862.2551	872.6875	880.0361
3060.0	[illegible]	817.9189	821.3889	832.7859	843.9395	854.8613	865.5569	876.0342	883.4412
3070.0	818.6570	820.9973	824.4861	835.9399	847.1467	858.1184	868.8621	879.3850	886.8523
3080.0	821.7246	824.0784	827.5854	839.0964	850.3562	861.3787	872.1697	882.7395	890.2690
3090.0	824.7974	827.1628	830.6877	842.2559	853.5703	864.6428	875.4812	886.0974	893.6914
3100.0	827.8711	830.2498	833.7939	845.4197	856.7869	867.9102	878.7966	889.4597	897.1204
3110.0	830.9480	833.3401	836.9026	848.5854	860.0066	871.1807	882.1155	892.8257	900.5562
3120.0	[illegible]	[illegible]	840.0137	851.7549	863.2302	874.4556	885.4385	896.1965	903.9995
3130.0	837.1121	839.5295	843.1289	854.9280	866.4570	877.7336	888.7646	899.5696	907.4482
3140.0	840.1985	842.6289	846.2471	858.1042	869.6880	881.0149	892.0947	902.9485	910.9060
3150.0	843.2878	845.7312	849.3682	861.2839	872.9214	884.3000	895.4280	906.3313	914.3691
3160.0	846.1806	848.8364	852.4924	864.4675	876.1599	887.5896	898.7664	909.7190	917.8423
3170.0	849.4758	851.9460	855.6204	867.6545	879.4014	890.8826	902.1089	913.1111	921.3215
3180.0	852.5750	855.0581	858.7521	870.8447	882.6467	894.1791	905.4553	916.5088	924.8113
3190.0	855.6768	858.1741	861.8870	874.0386	885.8958	897.4810	908.8062	919.9104	928.3071
3200.0	858.7810	861.2925	865.0256	877.2368	889.1489	900.7861	912.1614	923.3174	931.8125
3210.0	861.8916	864.4155	868.1670	880.4387	892.4063	904.0965	915.5205	926.7290	935.3274
3220.0	865.0013	867.5413	871.3123	883.6443	895.6680	907.4092	918.8848	930.1460	938.8513
3230.0	868.1196	870.6709	874.4612	886.8542	898.9333	910.7280	922.2542	933.5706	942.3857
3240.0	871.2383	873.8031	877.6143	890.0674	902.2026	914.0503	925.6272	936.9990	945.9287
3250.0	874.3604	876.9395	880.7698	893.2842	905.4763	917.3770	929.0056	940.4329	949.4832
3260.0	877.4866	880.0796	883.9302	896.5061	908.7544	920.7087	932.3896	943.8733	953.0459
3270.0	880.6165	883.2229	887.0938	899.7319	912.0376	924.0444	935.7786	947.3206	956.6216

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PRESSURE = 9.0000

TEMPERATURE / FUEL/AIR RATIO — ENTHALPY

DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
280.0	883.7493	886.3706	890.2620	902.9619	915.3250	927.3870	939.1721	950.7725	960.2070
290.0	886.8857	889.5215	893.4336	906.1960	918.6167	930.7332	942.5713	954.2322	963.8040
300.0	890.0226	892.6775	896.6091	909.4348	921.9131	934.0840	945.9763	957.6998	967.4138
310.0	893.1716	895.8359	899.7891	912.6785	925.2144	937.4407	949.3870	961.1716	971.0354
320.0	896.3191	898.9990	902.9729	915.9253	928.5208	940.8025	952.8032	964.6509	974.6685
330.0	899.4712	902.1658	906.1606	919.1782	931.8318	944.1699	956.2258	968.1394	978.3152
340.0	902.6272	905.3367	909.3528	922.4341	935.1477	947.5425	959.6536	971.6333	981.9736
350.0	905.7871	908.5122	912.5493	925.6963	938.4695	950.9207	963.0884	975.1362	985.6462
360.0	908.9513	911.6912	915.7510	928.9631	941.7966	954.3052	966.5300	978.6477	989.3330
370.0	912.1187	914.8748	918.9551	932.2344	945.1282	957.6946	969.9771	982.1660	993.0325
380.0	915.2917	918.0625	922.1650	935.5107	948.4656	961.0901	973.4318	985.6936	996.7476
390.0	918.4680	921.2546	925.3801	938.7922	951.8086	964.4917	976.8923	989.2288	1000.4749
400.0	921.6482	924.4509	928.5991	942.0791	955.1577	967.8999	980.3611	992.7744	1004.2192
410.0	924.8330	927.6519	931.8218	945.3708	958.5117	971.3140	983.8364	996.3279	1007.9778
420.0	928.0177	930.8577	935.0510	948.6680	961.8726	974.7354	987.3191	999.8923	1011.7527
430.0	931.2166	934.0686	938.2839	951.9717	965.2395	978.1631	990.8098	1003.4658	1015.5439
440.0	934.4153	937.2830	941.5220	955.2795	968.6118	981.5977	994.3078	1007.0491	1019.3503
450.0	937.6184	940.5029	944.7661	958.5935	971.9907	985.0393	997.8137	1010.6428	1023.1738
460.0	940.8259	943.7273	948.0139	961.9131	975.3760	988.4875	1001.3284	1014.2466	1027.0142
470.0	944.0387	946.9575	951.2681	965.2395	978.7686	991.9436	1004.8516	1017.8623	1030.8713
480.0	947.2549	950.1919	954.5269	968.5710	982.1670	995.4065	1008.3831	1021.4895	1034.7461
490.0	950.4773	953.4312	957.7910	971.9092	985.5723	998.8784	1011.9236	1025.1274	1038.6401
500.0	953.7041	956.6765	961.0603	975.2534	988.9849	1002.3569	1015.4731	1028.7778	1042.5520
510.0	956.9373	959.9265	964.3352	978.6038	992.4043	1005.8440	1019.0315	1032.4404	1046.4819
520.0	960.1736	963.1819	967.6169	981.9609	995.8308	1009.3381	1022.6001	1036.1157	1050.4312
530.0	963.4170	966.4436	970.9036	985.3252	999.2656	1012.8428	1026.1785	1039.8044	1054.3999
540.0	966.6643	969.7102	974.1956	988.6943	1002.7070	1016.3545	1029.7666	1043.5054	1058.3864
550.0	969.9175	972.9817	977.4944	992.0715	1006.1567	1019.8750	1033.3652	1047.2212	1062.3970
560.0	973.1769	976.2595	980.7988	995.4556	1009.6140	1023.4050	1036.9739	1050.9500	1066.4265
570.0	976.4402	979.5430	984.1086	998.8472	1013.0798	1026.9436	1040.5942	1054.6936	1070.4751
580.0	979.7104	982.8328	987.4255	1002.2458	1016.5535	1030.4922	1044.2251	1058.4534	1074.5459
590.0	982.9856	986.1274	990.7488	1005.6514	1020.0354	1034.0498	1047.8677	1062.2271	1078.6377
600.0	986.2613	989.4299	994.0789	1009.0645	1023.5264	1037.6174	1051.5215	1066.0186	1082.7519
610.0	989.5544	992.7380	997.4153	1012.4856	1027.0261	1041.1956	1055.1885	1069.8228	1086.8879
620.0	992.8479	996.0504	1000.7568	1015.9141	1030.5339	1044.7834	1058.8662	1073.6458	1091.0466
630.0	996.1472	999.3718	1004.1069	1019.3516	1034.0518	1048.3826	1062.5576	1077.4869	1095.2285
640.0	999.4521	1002.6985	1007.4631	1022.7957	1037.5781	1051.9919	1066.2617	1081.3418	1099.4324
650.0	1002.7654	1006.0327	1010.8279	1026.2493	1041.1152	1055.6128	1069.9795	1085.2175	1103.6616
660.0	1006.0830	1009.3730	1014.1980	1029.7107	1044.6611	1059.2444	1073.7097	1089.1104	1107.9143
670.0	1009.4084	1012.7202	1017.5764	1033.1812	1048.2173	1062.8879	1077.4556	1093.0237	1112.1921
680.0	1012.7400	1016.0740	1020.9607	1036.6602	1051.7832	1066.5430	1081.2139	1096.9548	1116.4932
690.0	1016.0781	1019.4360	1024.3550	1040.1489	1055.3599	1070.2100	1084.9878	1100.9065	1120.8193
700.0	1019.4234	1022.8047	1027.7549	1043.6460	1058.9473	1073.8899	1088.7771	1104.8784	1125.1729
710.0	1022.7747	1026.1794	1031.1643	1047.1521	1062.5452	1077.5815	1092.5808	1108.8708	1129.5500
720.0	1026.1350	1029.5635	1034.5806	1050.6682	1066.1550	1081.2878	1096.4009	1112.8860	1133.9553
730.0	1029.5010	1032.9534	1038.0056	1054.1929	1069.7747	1085.0061	1100.2366	1116.9214	1138.3862
740.0	1032.8752	1036.3538	1041.4392	1057.7292	1073.4075	1088.7385	1104.0901	1120.9802	1142.8447
750.0	1036.2571	1039.7595	1044.8804	1061.2756	1077.0508	1092.4851	1107.9597	1125.0620	1147.3306
760.0	1039.6462	1043.1750	1048.3301	1064.8311	1080.7065	1096.2449	1111.8464	1129.1663	1151.8430
770.0	1043.0422	1046.5977	1051.7893	1068.3970	1084.3752	1100.0190	1115.7510	1133.2954	1156.3848
780.0	1046.4471	1050.0278	1055.2563	1071.9741	1088.0554	1103.8091	1119.6743	1137.4482	1160.9553
790.0	1049.8594	1053.4683	1058.7334	1075.5625	1091.7488	1107.6135	1123.6155	1141.6274	1165.5554
800.0	1053.2810	1056.9140	1062.2205	1079.1616	1095.4556	1111.4346	1127.5769	1145.8323	1170.1831
810.0	1056.7097	1060.3718	1065.7148	1082.7727	1099.1760	1115.2708	1131.5574	1150.0630	1174.8425

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TEMPERATURE / FUEL/AIR RATIO										
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3420.0	1060.1465	1063.8191	1069.2197	1086.3968	1102.9087	1119.1226	1135.5571	1154.3203	1179.5310
3430.0	1063.5933	1067.3140	1072.7344	1090.0278	1106.6570	1122.9919	1139.5774	1158.6050	1184.2495
3440.0	1067.0486	1070.7943	1076.2595	1093.6736	1110.4180	1126.8774	1143.6189	1162.9177	1188.9990
3450.0	1070.5117	1074.2915	1079.7932	1097.3323	1114.1951	1130.7810	1147.6824	1167.2593	1193.7815
3460.0	1073.9846	1077.7949	1083.3384	1101.0024	1117.9858	1134.7019	1151.7671	1171.6304	1198.5947
3470.0	1077.4675	1081.3041	1086.8934	1104.6858	1121.7930	1138.6414	1155.8740	1176.0300	1203.4395
3480.0	1080.9584	1084.8298	1090.4595	1108.3816	1125.6140	1142.5986	1160.0044	1180.4607	1208.3171
3490.0	1084.4590	1088.3630	1094.0369	1112.0913	1129.4517	1146.5754	1164.1580	1184.9221	1213.2300
3500.0	1087.9700	1091.9060	1097.6245	1115.8147	1133.3059	1150.5710	1168.3350	1189.4158	1218.1733
3510.0	1091.4900	1095.4590	1101.2234	1119.5510	1137.1753	1154.5867	1172.5366	1193.9397	1223.1514
3520.0	1094.0194	1099.0234	1104.8345	1123.3022	1141.0623	1158.6221	1176.7629	1198.4971	1228.1641
3530.0	1098.5603	1102.5974	1108.4561	1127.0667	1144.9658	1162.6785	1181.0149	1203.0884	1233.2114
3540.0	1102.1123	1106.1838	1112.0901	1130.8464	1148.8875	1166.7561	1185.2932	1207.7126	1238.2937
3550.0	1105.6736	1109.7809	1115.7356	1134.6406	1152.8267	1170.8542	1189.5972	1212.3711	1243.4099
3560.0	1109.2461	1113.3896	1119.3945	1138.4507	1156.7844	1174.9751	1193.9297	1217.0664	1248.5640
3570.0	1112.8291	1117.0093	1123.0657	1142.2754	1160.7607	1179.1184	1198.2889	1221.7957	1253.7548
3580.0	1116.4233	1120.6406	1126.7488	1146.1162	1164.7551	1183.2839	1202.6765	1226.5615	1258.9800
3590.0	1120.0281	1124.2847	1130.4456	1149.9729	1168.7690	1187.4734	1207.0925	1231.3643	1264.2444
4000.0	1123.6462	1127.9402	1134.1543	1153.8457	1172.8037	1191.6865	1211.5388	1236.2036	1269.5452

ENTHALPY

PRESSURE = 10.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
2760.0	726.1938	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1282	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	743.8218	745.8665	748.9199	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
2890.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
2900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
2910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2920.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
2930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
2940.0	779.1865	781.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0452
2950.0	782.1399	784.3335	787.6089	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354
2960.0	785.0942	787.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
2970.0	788.0527	790.2695	793.5796	804.4705	815.1499	825.6230	835.8982	845.9783	852.9233
2980.0	791.0938	793.3228	796.6506	807.5967	818.3281	828.8518	839.1738	849.2983	856.2861
2990.0	794.1375	796.3782	799.7234	810.7256	821.5105	832.0837	842.4536	852.6226	859.6538
3000.0	797.1838	799.4365	802.7993	813.8574	824.6948	835.3179	845.7349	855.9480	863.0256
3010.0	800.2322	802.4973	805.8784	816.9924	827.8828	838.5559	849.0190	859.2756	866.4016
3020.0	803.2837	805.5610	808.9597	820.1296	831.0732	841.7961	852.3064	862.6094	869.7822
3030.0	806.3379	808.6274	812.0439	823.2703	834.2666	845.0396	855.5979	865.9441	873.1677
3040.0	809.3945	811.6963	815.1311	826.4136	837.4626	848.2854	858.8909	869.2830	876.5583
3050.0	812.4543	814.7683	818.2207	829.5605	840.6624	851.5356	862.1887	872.6243	879.9551
3060.0	815.5171	817.8430	821.3140	832.7102	843.8647	854.7883	865.4874	875.9709	883.3562
3070.0	818.5823	820.9214	824.4102	835.8628	847.0706	858.0444	868.7917	879.3191	886.7629
3080.0	821.6497	824.0022	827.5081	839.0178	850.2795	861.3037	872.0977	882.6714	890.1758
3090.0	824.7207	827.0852	830.6099	842.1765	853.4917	864.5657	875.4087	886.0278	893.5933
3100.0	827.7947	830.1716	833.7146	845.3389	856.7073	867.8315	878.7219	889.3872	897.0181
3110.0	830.8713	833.2612	836.8225	848.5039	859.9255	871.1003	882.0386	892.7507	900.4485
3120.0	833.9507	836.3535	839.9326	851.6719	863.1479	874.3735	885.3599	896.1189	903.8853
3130.0	837.0334	839.4487	843.0469	854.8435	866.3733	877.6499	888.6838	899.4907	907.3298
3140.0	840.1194	842.5474	846.1643	858.0188	869.6023	880.9297	892.0125	902.8677	910.7815
3150.0	843.2075	845.6487	849.2842	861.1973	872.8347	884.2131	895.3438	906.2461	914.2397
3160.0	846.2988	848.7539	852.4077	864.3794	876.0715	887.5010	898.6799	909.6316	917.7051
3170.0	849.3940	851.8613	855.5344	867.5649	879.3108	890.7920	902.0200	913.0198	921.1785
3180.0	852.4917	854.9724	858.6646	870.7542	882.5549	894.0876	905.3645	916.4153	924.6604
3190.0	855.5928	858.0867	861.7983	873.9463	885.8022	897.3857	908.7122	919.8132	928.1497
3200.0	858.6970	861.2048	864.9353	877.1431	889.0530	900.6890	912.0652	923.2166	931.6482
3210.0	861.8054	864.3269	868.0759	880.3425	892.3081	903.9968	915.4216	926.6250	935.1548
3220.0	864.9165	867.4504	871.2200	883.5464	895.5676	907.3074	918.7820	930.0386	938.6707
3230.0	868.0303	870.5781	874.3669	886.7537	898.8315	910.6238	922.1487	933.4585	942.1963
3240.0	871.1477	873.7100	877.5186	889.9656	902.0984	913.9436	925.5193	936.8826	945.7305
3250.0	874.2690	876.8452	880.6726	893.1812	905.3701	917.2673	928.8943	940.3120	949.2749
3260.0	877.3936	879.9834	883.8313	896.4009	908.6460	920.5967	932.2749	943.7478	952.8291
3270.0	880.5220	883.1252	886.9927	899.6248	911.9258	923.9297	935.6597	947.1904	956.3948

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TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	883.6538	886.2720	890.1597	902.8521	915.2107	927.7681	939.0496	950.6370	959.9692
3290.0	886.7891	889.4214	893.3293	906.0835	918.4995	930.6118	942.4448	954.0916	963.5559
3300.0	[illegible]	892.5740	896.5029	909.3201	921.7930	933.9587	945.8464	957.5522	967.1543
3310.0	893.0710	895.7317	899.6807	912.5610	925.0916	937.3125	949.2517	961.0193	970.7649
3320.0	896.2180	898.8926	902.8623	915.8059	928.3948	940.6702	952.6643	964.4939	974.3857
3330.0	899.3672	902.0586	906.0488	919.0554	931.7026	944.0342	956.0825	967.9751	978.0200
3340.0	902.5205	905.2261	909.2383	922.3093	935.0156	947.4021	959.5056	971.4624	981.6663
3350.0	905.6797	908.4001	912.4324	925.5681	938.3337	950.7761	962.9355	974.9590	985.3254
3360.0	908.8413	911.5749	915.6321	928.8320	941.6570	954.1565	966.3711	978.4631	988.9978
3370.0	912.0068	914.7573	918.8337	932.1003	944.9849	957.5413	969.8140	981.9744	992.6826
3380.0	915.1772	917.9441	922.0413	935.3735	948.3188	960.9329	973.2625	985.4934	996.3828
3390.0	918.3513	921.1333	925.2524	938.6509	951.6572	964.3296	976.7175	989.0208	1000.0964
3400.0	921.5300	924.3271	928.4688	941.9348	955.0022	967.7329	980.1802	992.5586	1003.8242
3410.0	924.7124	927.5254	931.6897	945.2229	958.3523	971.1418	983.6487	996.1028	1007.5664
3420.0	[illegible]	930.7280	934.9153	948.5164	961.7087	974.5581	987.1262	999.6585	1011.3252
3430.0	931.0908	933.9363	938.1453	951.8157	965.0706	977.9802	990.6096	1003.2219	1015.0986
3440.0	934.2861	937.1487	941.3804	955.1204	968.4385	981.4092	994.1001	1006.7944	1018.8877
3450.0	937.4866	940.3655	944.6206	958.4302	971.8123	984.8445	997.5989	1010.3787	1022.6924
3460.0	940.6917	943.5862	947.8660	961.7456	975.1926	988.2866	1001.1057	1013.9714	1026.5139
3470.0	943.9009	946.8127	951.1162	965.0671	978.5796	991.7366	1004.6216	1017.5759	1030.3521
3480.0	947.1147	950.0437	954.3713	968.3945	981.9722	995.1924	1008.1440	1021.1912	1034.2080
3490.0	950.3342	953.2808	957.6316	971.7271	985.3716	998.6570	1011.6760	1024.8176	1038.0808
3500.0	953.5579	956.5220	960.8975	975.0669	988.7788	1002.1287	1015.2166	1028.4551	1041.9724
3510.0	956.7871	959.7683	964.1682	978.4119	992.1919	1005.6082	1018.7668	1032.1047	1045.8811
3520.0	960.0205	963.0198	967.4451	981.7637	995.6121	1009.0957	1022.3242	1035.7651	1049.8069
3530.0	963.2593	966.2771	970.7275	985.1221	999.0403	1012.5913	1025.8936	1039.4409	1053.7534
3540.0	966.5032	969.5391	974.0151	988.4866	1002.4749	1016.0955	1029.4714	1043.1274	1057.7188
3550.0	969.7524	972.8069	977.3086	991.8572	1005.9172	1019.6069	1033.0588	1046.8274	1061.7034
3560.0	973.0078	976.0811	980.6086	995.2351	1009.3674	1023.1277	1036.6572	1050.5403	1065.7075
3570.0	976.2671	979.3591	983.9143	998.6194	1012.8247	1026.6575	1040.2651	1054.2683	1069.7317
3580.0	979.5325	982.6445	987.2253	1002.0117	1016.2910	1030.1965	1043.8848	1058.0103	1073.7764
3590.0	982.8037	985.9346	990.5437	1005.4109	1019.7651	1033.7444	1047.5149	1061.7664	1077.8418
3600.0	986.0798	989.2310	993.8672	1008.8172	1023.2471	1037.3022	1051.1567	1065.5378	1081.9285
3610.0	989.3628	992.5337	997.1978	1012.2312	1026.7378	1040.8699	1054.8088	1069.3254	1086.0376
3620.0	992.6509	995.8428	1000.5349	1015.6528	1030.2363	1044.4465	1058.4741	1073.1272	1090.1670
3630.0	995.9451	999.1572	1003.8784	1019.0820	1033.7456	1048.0342	1062.1506	1076.9468	1094.3198
3640.0	999.2458	1002.4790	1007.2285	1022.5188	1037.2622	1051.6311	1065.8396	1080.7837	1098.4951
3650.0	1002.5527	1005.8069	1010.5864	1025.9639	1040.7888	1055.2397	1069.5422	1084.6365	1102.6934
3660.0	1005.8655	1009.1404	1013.9495	1029.4147	1044.3242	1058.8591	1073.2573	1088.5068	1106.9143
3670.0	1009.1841	1012.4822	1017.3215	1032.8784	1047.8701	1062.4895	1076.9858	1092.3967	1111.1602
3680.0	1012.5088	1015.8291	1020.6992	1036.3481	1051.4253	1066.1309	1080.7283	1096.3042	1115.4290
3690.0	1015.8413	1019.1838	1024.0847	1039.8269	1054.9902	1069.7839	1084.4836	1100.2305	1119.7217
3700.0	1019.1804	1022.5462	1027.4780	1043.3140	1058.5662	1073.4495	1088.2546	1104.1763	1124.0405
3710.0	1022.5254	1025.9146	1030.8787	1046.8103	1062.1516	1077.1272	1092.0398	1108.1428	1128.3828
3720.0	1025.8782	1029.2905	1034.2879	1050.3171	1065.7480	1080.8176	1095.8408	1112.1296	1132.7520
3730.0	1029.2378	1032.6731	1037.7036	1053.8315	1069.3552	1084.5193	1099.6558	1116.1370	1137.1465
3740.0	1032.6040	1036.0640	1041.1279	1057.3562	1072.9741	1088.2351	1103.4883	1120.1660	1141.5676
3750.0	1035.9780	1039.4636	1044.5608	1060.8906	1076.6045	1091.9644	1107.3362	1124.2173	1146.0151
3760.0	1039.3591	1042.8689	1048.0020	1064.4348	1080.2451	1095.7073	1111.2012	1128.2903	1150.4890
3770.0	1042.7480	1046.2837	1051.4514	1067.9885	1083.8989	1099.4636	1115.0828	1132.3872	1154.9912
3780.0	1046.1440	1049.7061	1054.9100	1071.5521	1087.5640	1103.2344	1118.9819	1136.5073	1159.5198
3790.0	1049.5488	1053.1360	1058.3755	1075.1279	1091.2415	1107.0193	1122.8992	1140.6521	1164.0784
3800.0	1052.9612	1056.5743	1061.8516	1078.7151	1094.9319	1110.8206	1126.8342	1144.8218	1168.6653
3810.0	1056.3809	1060.0220	1065.3354	1082.3110	1098.6353	1114.6360	1130.7888	1149.0168	1173.2798

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PRESSURE = 10.0000

TEMPERATURE / DEGREES R	FUEL/AIR RATIO 0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1059.8093	1063.4773	1068.8303	1085.9194	1102.3511	1119.4675	1134.7617	1153.2363	1177.9243
3830.0	1063.2458	1066.9426	1072.3328	1089.5381	1106.0815	1122.3137	1138.7544	1157.4824	1182.5984
3840.0	1066.6902	1070.4148	1075.8457	1093.1689	1109.8242	1126.1770	1142.7673	1161.7561	1187.3020
3850.0	1070.1436	1073.8977	1079.3684	1096.8118	1113.5813	1130.0581	1146.8003	1166.0569	1192.0369
3860.0	1073.6067	1077.3901	1082.9006	1100.4661	1117.3535	1133.9541	1150.8547	1170.3853	1196.8015
3870.0	1077.0769	1080.8914	1086.4434	1104.1335	1121.1399	1137.8691	1154.9316	1174.7424	1201.5986
3880.0	1080.5562	1084.4014	1089.9956	1107.8123	1124.9402	1141.8000	1159.0288	1179.1292	1206.4268
3890.0	1084.0459	1087.9221	1093.5586	1111.5049	1128.7571	1145.7507	1163.1487	1183.5454	1211.2876
3900.0	1087.5449	1091.4521	1097.1315	1115.2097	1132.5886	1149.7195	1167.2913	1187.9915	1216.1797
3910.0	1091.0530	1094.9929	1100.7143	1118.9282	1136.4355	1153.7070	1171.4580	1192.4685	1221.1052
3920.0	1094.5715	1098.5432	1104.3130	1122.6592	1140.2991	1157.7139	1175.6484	1196.9771	1226.0635
3930.0	1098.0981	1102.1035	1107.9202	1126.4053	1144.1790	1161.7402	1179.8625	1201.5188	1231.0564
3940.0	1101.6365	1105.6763	1111.5383	1130.1650	1148.0757	1165.7881	1184.1016	1206.0918	1236.0815
3950.0	1105.1833	1109.2573	1115.1687	1133.9382	1151.9895	1169.8552	1188.3662	1210.6970	1241.1418
3960.0	1108.7415	1112.8508	1118.8101	1137.7273	1155.9209	1173.9431	1192.6577	1215.3379	1246.2375
3970.0	1112.3105	1116.4556	1122.4641	1141.5305	1159.8699	1178.0532	1196.9753	1220.0120	1251.3694
3980.0	1115.8894	1120.0710	1126.1299	1145.3479	1163.8367	1182.1851	1201.3193	1224.7205	1256.5347
3990.0	1119.4792	1123.6980	1129.8079	1149.1821	1167.8223	1186.3391	1205.6912	1229.4651	1261.7373
4000.0	1123.0808	1127.3367	1133.4988	1153.0308	1171.8274	1190.5154	1210.0925	1234.2468	1266.9763

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TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
2760.0	726.1934	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	743.8213	745.8665	748.9199	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5394	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4861	763.5994	766.7548	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
2890.0	764.4334	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
2900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
2910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2920.0	773.2829	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
2930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
2940.0	779.1865	781.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0452
2950.0	782.1399	784.3335	787.6089	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354
2960.0	785.0942	787.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
2970.0	788.0500	790.2665	793.5767	804.4675	815.1467	825.6208	835.8960	845.9766	852.9209
2980.0	791.0078	793.2340	796.5854	807.5337	818.2471	828.7939	839.1208	849.2520	856.2351
2990.0	794.0728	796.3140	799.5592	810.6619	821.4480	832.0254	842.3982	852.5735	859.5991
3000.0	797.1177	799.3713	802.7341	813.7925	824.6321	835.2590	845.6794	855.8992	862.9683
3010.0	800.1670	802.4324	805.8123	816.9270	827.8188	838.4951	848.9629	859.2266	866.3420
3020.0	803.2184	805.4954	808.8936	820.0637	831.0085	841.7346	852.2505	862.5571	869.7200
3030.0	806.2715	808.5608	811.9773	823.2036	834.2014	844.9771	855.5398	865.8918	873.1025
3040.0	809.3281	811.6296	815.0632	826.3459	837.3962	848.2222	858.8325	869.2278	876.4907
3050.0	812.3867	814.7009	818.1528	829.4919	840.5955	851.4717	862.1282	872.5688	879.8860
3060.0	815.4490	817.7756	821.2451	832.6411	843.7971	854.7227	865.4265	875.9136	883.2825
3070.0	818.5142	820.8521	824.3401	835.7927	847.0020	857.9775	868.7290	879.2593	886.6841
3080.0	821.5813	823.9329	827.4382	838.9475	850.2095	861.2358	872.0334	882.6106	890.0938
3090.0	824.6519	827.0159	830.5391	842.1052	853.4199	864.4971	875.3430	885.9656	893.5088
3100.0	827.7244	830.1016	833.6433	845.2659	856.6350	867.7617	878.6553	889.3235	896.9282
3110.0	830.8005	833.1897	836.7498	848.4299	859.8518	871.0295	881.9700	892.6853	900.3552
3120.0	833.8796	836.2815	839.8599	851.5977	863.0732	874.3010	885.2893	896.0513	903.7874
3130.0	836.9617	839.3760	842.9727	854.7686	866.2974	877.5757	888.6123	899.4204	907.2271
3140.0	840.0461	842.4739	846.0896	857.9419	869.5254	880.8550	891.9385	902.7942	910.6741
3150.0	843.1349	845.5742	849.2080	861.1187	872.7563	884.1357	895.2676	906.1721	914.1260
3160.0	846.2249	848.6785	852.3311	864.2998	875.9912	887.4221	898.6028	909.5542	917.5864
3170.0	849.3189	851.7849	855.4568	867.4841	879.2292	890.7114	901.9399	912.9395	921.0547
3180.0	852.4158	854.8958	858.5859	870.6721	882.4719	894.0046	905.2822	916.3318	924.5300
3190.0	855.5161	858.0095	861.7180	873.8630	885.7170	897.3020	908.6284	919.7278	928.0134
3200.0	858.6196	861.1257	864.8538	877.0581	888.9670	900.6028	911.9780	923.1274	931.5037
3210.0	861.7259	864.2456	867.9939	880.2566	892.2202	903.9084	915.3328	926.5332	935.0042
3220.0	864.8362	867.3699	871.1382	883.4587	895.4775	907.2168	918.6917	929.9426	938.5137
3230.0	867.9497	870.4966	874.2827	886.6650	898.7395	910.5305	922.0540	933.3589	942.0315
3240.0	871.0667	873.6270	877.4321	889.8750	902.0044	913.8484	925.4229	936.7793	945.5576
3250.0	874.1858	876.7605	880.5854	893.0881	905.2737	917.1699	928.7954	940.2056	949.0950
3260.0	877.3094	879.8975	883.7422	896.3066	908.5474	920.4966	932.1721	943.6379	952.6404
3270.0	880.4368	883.0381	886.9028	899.5281	911.8252	923.8276	935.5544	947.0757	956.1973

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TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	883.5671	886.1826	890.0674	902.7534	915.1084	927.1628	938.9412	950.5183	959.7634
3290.0	886.7012	889.3306	893.2356	905.9836	918.3963	930.5032	942.3340	953.9675	963.3411
3300.0	889.8381	892.4837	896.4087	909.2175	921.6858	933.8484	945.7310	957.4229	966.9285
3310.0	892.9791	895.6384	899.5845	912.4565	924.9814	937.1982	949.1343	960.8860	970.5281
3320.0	896.1243	898.7981	902.7637	915.6995	928.2820	940.5530	952.5420	964.3547	974.1399
3330.0	899.2737	901.9614	905.9482	918.9465	931.5874	943.9138	955.9556	967.8311	977.7629
3340.0	902.4260	905.1287	909.1362	922.1982	934.8967	947.2783	959.3755	971.3135	981.3979
3350.0	905.5823	908.2993	912.3279	925.4543	938.2122	950.6489	962.8010	974.8027	985.0449
3360.0	908.7422	911.4756	915.5254	928.7151	941.5325	954.0251	966.2319	978.3010	988.7056
3370.0	911.9065	914.6541	918.7256	931.9807	944.8572	957.4070	969.6694	981.8054	992.3779
3380.0	915.0750	917.8381	921.9302	935.2512	948.1877	960.7937	973.1135	985.3188	996.0654
3390.0	918.2468	921.0259	925.1396	938.5261	951.5225	964.1870	976.5640	988.8389	999.7659
3400.0	921.4231	924.2175	928.3535	941.8066	954.8640	967.5859	980.0217	992.3689	1003.4807
3410.0	924.6042	927.4136	931.5713	945.0916	958.2107	970.9907	983.4839	995.9055	1007.2085
3420.0	927.7888	930.6140	934.7949	948.3816	961.5627	974.4019	986.9553	999.4531	1010.9521
3430.0	930.9780	933.8188	938.0227	951.6777	964.9207	977.8196	990.4333	1003.0090	1014.7114
3440.0	934.1714	937.0291	941.2546	954.9790	968.2844	981.2437	993.9182	1006.5740	1018.4839
3450.0	937.3687	940.2437	944.4922	958.2852	971.6543	984.6733	997.4106	1010.1477	1022.2734
3460.0	940.5720	943.4619	947.7344	961.5972	975.0293	988.1108	1000.9106	1013.7327	1026.0789
3470.0	943.7791	946.6853	950.9817	964.9143	978.4121	991.5544	1004.4187	1017.3267	1029.9004
3480.0	946.9897	949.9138	954.2329	968.2375	981.7998	995.0054	1007.9351	1020.9314	1033.7388
3490.0	950.2061	953.1472	957.4897	971.5664	985.1946	998.4631	1011.4602	1024.5481	1037.5942
3500.0	953.4268	956.3857	960.7529	974.9019	988.5962	1001.9287	1014.9929	1028.1743	1041.4661
3510.0	956.6533	959.6284	964.0198	978.2424	992.0042	1005.4026	1018.5347	1031.8137	1045.3560
3520.0	959.8835	962.8770	967.2935	981.5889	995.4185	1008.8828	1022.0847	1035.4626	1049.2639
3530.0	963.1191	966.1309	970.5720	984.9426	998.8411	1012.3716	1025.6448	1039.1245	1053.1897
3540.0	966.3596	969.3894	973.8555	988.3022	1002.2695	1015.8682	1029.2139	1042.7974	1057.1340
3550.0	969.6057	972.6533	977.1450	991.6682	1005.7058	1019.3723	1032.7922	1046.4851	1061.0977
3560.0	972.8572	975.9229	980.4407	995.0413	1009.1489	1022.8857	1036.3804	1050.1860	1065.0801
3570.0	976.1128	979.1987	983.7422	998.4202	1012.6008	1026.4072	1039.9792	1053.8982	1069.0823
3580.0	979.3748	982.4792	987.0496	1001.8066	1016.0596	1029.9380	1043.5874	1057.6257	1073.1052
3590.0	982.6418	985.7651	990.3623	1005.2000	1019.5264	1033.4778	1047.2065	1061.3669	1077.1470
3600.0	985.9148	989.0574	993.6816	1008.5999	1023.0010	1037.0259	1050.8367	1065.1223	1081.2102
3610.0	989.1936	992.3564	997.0068	1012.0076	1026.4849	1040.5852	1054.4790	1068.8931	1085.2959
3620.0	992.4768	995.6592	1000.3389	1015.4221	1029.9761	1044.1521	1058.1304	1072.6790	1089.3997
3630.0	995.7666	998.9697	1003.6777	1018.8442	1033.4758	1047.7292	1061.7957	1076.4807	1093.5266
3640.0	999.0630	1002.2859	1007.0215	1022.2742	1036.9849	1051.3171	1065.4724	1080.2976	1097.6750
3650.0	1002.3643	1005.6096	1010.3738	1025.7126	1040.5024	1054.9148	1069.1616	1084.1328	1101.8479
3660.0	1005.6716	1008.9377	1013.7314	1029.1582	1044.0295	1058.5222	1072.8625	1087.9839	1106.0417
3670.0	1008.9858	1012.2729	1017.0967	1032.6125	1047.5657	1062.1428	1076.5767	1091.8535	1110.2585
3680.0	1012.3054	1015.6150	1020.4688	1036.0742	1051.1104	1065.7717	1080.3035	1095.7395	1114.4985
3690.0	1015.6335	1018.9636	1023.8484	1039.5449	1054.6660	1069.4131	1084.0442	1099.6448	1118.7620
3700.0	1018.9661	1022.3191	1027.2351	1043.0244	1058.2314	1073.0659	1087.8003	1103.5693	1123.0510
3710.0	1022.3054	1025.6819	1030.6294	1046.5112	1061.8066	1076.7307	1091.5684	1107.5117	1127.3638
3720.0	1025.6533	1029.0518	1034.0303	1050.0090	1065.3921	1080.4080	1095.3528	1111.4739	1131.7007
3730.0	1029.0049	1032.4275	1037.4399	1053.5139	1068.9880	1084.0964	1099.1514	1115.4565	1136.0635
3740.0	1032.3660	1035.8130	1040.8564	1057.0293	1072.5950	1087.7979	1102.9648	1119.4612	1140.4524
3750.0	1035.7336	1039.2041	1044.2813	1060.5542	1076.2129	1091.5122	1106.7947	1123.4863	1144.8657
3760.0	1039.1069	1042.6023	1047.7141	1064.0874	1079.8420	1095.2390	1110.6399	1127.5332	1149.3052
3770.0	1042.4897	1046.0095	1051.1548	1067.6313	1083.4822	1098.9805	1114.5022	1131.6006	1153.7717
3780.0	1045.8787	1049.4238	1054.6047	1071.1853	1087.1343	1102.7351	1118.3801	1135.6926	1158.2651
3790.0	1049.2747	1052.8450	1058.0623	1074.7493	1090.7981	1106.5032	1122.2771	1139.8083	1162.7881
3800.0	1052.6802	1056.2771	1061.5293	1078.3235	1094.4751	1110.2876	1126.1909	1143.9465	1167.3369
3810.0	1056.0918	1059.7163	1065.0046	1081.9089	1098.1638	1114.0847	1130.1213	1148.1096	1171.9141

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PRESSURE = 11.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1059.5112	1063.1619	1068.4888	1085.5046	1101.8652	1117.8970	1134.0718	1152.2966	1176.5198
3830.0	1062.9404	1066.6182	1071.9812	1089.1113	1105.5796	1121.7256	1138.0405	1156.5098	1181.1538
3840.0	1066.3757	1070.0818	1075.4849	1092.7285	1109.3066	1125.5691	1142.0281	1160.7490	1185.8169
3850.0	1069.8210	1073.5552	1078.9963	1096.3582	1113.0476	1129.4294	1146.0359	1165.0149	1190.5110
3860.0	1073.2739	1077.0364	1082.5181	1099.9995	1116.8020	1133.3054	1150.0640	1169.3069	1195.2339
3870.0	1076.7354	1080.5278	1086.0498	1103.6514	1120.5703	1137.1980	1154.1125	1173.6277	1199.9875
3880.0	1080.2058	1084.0281	1089.5901	1107.3162	1124.3540	1141.1042	1158.1826	1177.9761	1204.7715
3890.0	1083.6851	1087.5376	1093.1423	1110.9939	1128.1516	1145.0356	1162.2739	1182.3528	1209.5889
3900.0	1087.1738	1091.0566	1096.7051	1114.6831	1131.9641	1148.9805	1166.3862	1186.7578	1214.4353
3910.0	1090.6709	1094.5857	1100.2761	1118.3860	1135.7922	1152.9441	1170.5225	1191.1934	1219.3137
3920.0	1094.1772	1098.1240	1103.8586	1122.1006	1139.6350	1156.9258	1174.6809	1195.6597	1224.2249
3930.0	1097.6928	1101.6731	1107.4524	1125.8301	1143.4939	1160.9277	1178.8635	1200.1567	1229.1702
3940.0	1101.2200	1105.2329	1111.0576	1129.5715	1147.3696	1164.9480	1183.0691	1204.6853	1234.1475
3950.0	1104.7559	1108.8015	1114.6733	1133.3279	1151.2607	1168.9875	1187.2996	1209.2456	1239.1567
3960.0	1108.3018	1112.3823	1118.3008	1137.0977	1155.1697	1173.0488	1191.5552	1213.8386	1244.2012
3970.0	1111.8591	1115.9731	1121.9399	1140.8813	1159.0957	1177.1294	1195.8367	1218.4653	1249.2820
3980.0	1115.4243	1119.5745	1125.5906	1144.6804	1163.0381	1181.2314	1200.1438	1223.1250	1254.3938
3990.0	1119.0020	1123.1882	1129.2534	1148.4939	1166.9995	1185.3547	1204.4780	1227.8188	1259.5432
4000.0	1122.5894	1126.8123	1132.9292	1152.3237	1170.9790	1189.5007	1208.8379	1232.5486	1264.7266

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PRESSURE = 12.0000

TEMPERATURE / FUEL/AIR RATIO									
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3814	722.2794	725.1978	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2750.0	723.2593	725.2289	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
2760.0	726.1938	728.1764	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0641	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	739.9633	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	743.8218	745.8665	748.9199	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
2890.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
2900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
2910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2920.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
2930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
2940.0	779.1865	781.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0452
2950.0	782.1399	784.3335	787.6089	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354
2960.0	785.0942	787.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
2970.0	788.0500	790.2666	793.5767	804.4675	815.1467	825.6208	835.8960	845.9766	852.9209
2980.0	791.0066	793.2349	796.5623	807.5098	818.2446	828.7732	839.1021	849.2351	856.2153
2990.0	794.0146	796.2540	799.5499	810.6033	821.3921	831.9729	842.3506	852.5303	859.5503
3000.0	797.0234	799.3129	802.6746	813.7339	824.5752	835.2053	845.6304	855.8542	862.9172
3010.0	800.1074	802.3726	805.7922	816.8674	827.7612	838.4417	848.9141	859.1814	866.2891
3020.0	803.1587	805.4358	808.8328	820.0037	830.9507	841.6802	852.1985	862.5105	869.6648
3030.0	806.2117	808.5012	811.9158	823.1428	834.1418	844.9219	855.4843	865.8442	873.0447
3040.0	809.2673	811.5691	815.0020	826.2849	837.3369	848.1660	858.7791	869.1790	876.4294
3050.0	812.3267	814.6401	818.0908	829.4297	840.5352	851.4146	862.0745	872.5186	879.8203
3060.0	815.3877	817.7136	821.1824	832.5776	843.7358	854.6653	865.3718	875.8611	883.2148
3070.0	818.4519	820.7905	824.2766	835.7288	846.9392	857.9192	868.6729	879.2070	886.6145
3080.0	821.5188	823.8696	827.3740	838.8828	850.1460	861.1753	871.9768	882.5566	890.0205
3090.0	824.5889	826.9519	830.4749	842.0398	853.3562	864.4363	875.2839	885.9092	893.4321
3100.0	827.6619	830.0371	833.5776	845.2000	856.5693	867.6995	878.5950	889.2654	896.8479
3110.0	830.7386	833.1250	836.6841	848.3635	859.7861	870.9656	881.9089	892.6260	900.2715
3120.0	833.8154	836.2161	839.7932	851.5295	863.0059	874.2361	885.2268	895.9890	903.7004
3130.0	836.8967	839.3098	842.9048	854.6992	866.2285	877.5100	888.5481	899.3564	907.1343
3140.0	839.9805	842.4067	846.0210	857.8723	869.4561	880.7871	891.8733	902.7280	910.5769
3150.0	843.0679	845.5063	849.1399	861.0483	872.6853	884.0674	895.2007	906.1040	914.0247
3160.0	846.1570	848.6099	852.2610	864.2278	875.9187	887.3513	898.5339	909.4832	917.4807
3170.0	849.2505	851.7163	855.3860	867.4109	879.1560	890.6399	901.8694	912.8684	920.9424
3180.0	852.3474	854.8252	858.5137	870.5977	882.3967	893.9319	905.2100	916.2576	924.4141
3190.0	855.4465	857.9387	861.6453	873.7881	885.6414	897.2268	908.5537	919.6501	927.8918
3200.0	858.5486	861.0540	864.7803	876.9812	888.8894	900.5261	911.9019	923.0476	931.3774
3210.0	861.6550	864.1731	867.9185	880.1785	892.1409	903.8293	915.2539	926.4502	934.8704
3220.0	864.7642	867.2959	871.0601	883.3792	895.3967	907.1370	918.6101	929.8572	938.3735
3230.0	867.8770	870.4221	874.2056	886.5847	898.6570	910.4490	921.9719	933.2700	941.8848
3240.0	870.9922	873.5515	877.3542	889.7927	901.9207	913.7639	925.3369	936.6882	945.4053
3250.0	874.1111	876.6836	880.5061	893.0044	905.1875	917.0837	928.7073	940.1104	948.9346
3260.0	877.2341	879.8203	883.6621	896.2209	908.4592	920.4082	932.0818	943.5383	952.4741
3270.0	880.3594	882.9592	886.8210	899.4414	911.7358	923.7363	935.4614	946.9719	956.0217

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TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	883.4892	886.1023	889.9846	902.6653	915.0159	927.0701	938.8450	950.41 4	959.5798
3290.0	886.6216	889.2495	893.1511	905.8931	918.3008	930.4075	942.2344	9 3.8582	963.1496
3300.0	889.7583	892.3999	896.3220	909.1257	921.5894	933.7505	945.6287	957.3091	966.7292
3310.0	892.8992	895.5544	899.4963	912.3623	924.8835	937.0969	949.0286	960.7678	970.3198
3320.0	896.0445	898.7124	902.6748	915.6028	928.1809	940.4495	952.4329	964.2312	973.9214
3330.0	899.1885	901.8743	905.8572	918.8479	931.4839	943.8069	955.8435	967.7021	977.5352
3340.0	902.3401	905.0393	909.0439	922.0977	934.7913	947.1689	959.2593	971.1799	981.1597
3350.0	905.4956	908.2100	912.2334	925.3513	938.1038	950.5364	962.6809	974.6650	984.7969
3360.0	908.6545	911.3833	915.4292	928.6106	941.4219	953.9106	966.1086	978.1577	988.4478
3370.0	911.8167	914.5610	918.6274	931.8735	944.7429	957.2878	969.5425	981.6563	992.1046
3380.0	914.9827	917.7415	921.8303	935.1416	948.0706	960.6716	972.9812	985.1633	995.7859
3390.0	918.1531	920.9280	925.0378	938.4136	951.4033	964.0601	976.4277	988.6782	999.4739
3400.0	921.3276	924.1182	928.2495	941.6914	954.7412	967.4563	979.8799	992.2014	1003.1763
3410.0	924.5068	927.3125	931.4651	944.9736	958.0840	970.8562	983.3386	995.7312	1006.8916
3420.0	927.6899	930.5115	934.6865	948.2620	961.4326	974.2642	986.8049	999.2715	1010.6233
3430.0	930.8770	933.7136	937.9116	951.5547	964.7871	977.6768	990.2773	1002.8201	1014.3682
3440.0	934.0684	936.9209	941.1414	954.8518	968.1472	981.0967	993.7573	1006.3777	1018.1289
3450.0	937.2644	940.1333	944.3760	958.1550	971.5134	984.5225	997.2444	1009.9448	1021.9028
3460.0	940.4639	943.3494	947.6157	961.4646	974.8850	987.9543	1000.7380	1013.5215	1025.6941
3470.0	943.6689	946.5710	950.8599	964.7778	978.2629	991.3936	1004.2412	1017.1069	1029.4993
3480.0	946.8777	949.7971	954.1089	968.0972	981.6467	994.8396	1007.7507	1020.7031	1033.3232
3490.0	950.0918	953.0273	957.3628	971.4231	985.0371	998.2925	1011.2688	1024.3098	1037.1621
3500.0	953.3105	956.2629	960.6226	974.7539	988.4336	1001.7532	1014.7952	1027.9268	1041.0186
3510.0	956.5332	959.5034	963.8872	978.0908	991.8372	1005.2202	1018.3293	1031.5547	1044.8914
3520.0	959.7615	962.7488	967.1567	981.4333	995.2468	1008.6946	1021.8721	1035.1946	1048.7830
3530.0	962.9949	965.9993	970.4324	984.7830	998.6638	1012.1780	1025.4248	1038.8459	1052.6902
3540.0	966.2322	969.2551	973.7131	988.1379	1002.0876	1015.6675	1028.9863	1042.5085	1056.6169
3550.0	969.4746	972.5156	976.9990	991.4998	1005.5183	1019.1655	1032.5571	1046.1843	1060.5620
3560.0	972.7234	975.7820	980.2908	994.8682	1008.9565	1022.6714	1036.1365	1049.8726	1064.5266
3570.0	975.9763	979.0540	983.5876	998.2422	1012.4014	1026.1868	1039.7258	1053.5725	1068.5085
3580.0	979.2344	982.3313	986.8914	1001.6238	1015.8547	1029.7100	1043.3262	1057.2874	1072.5112
3590.0	982.4983	985.6133	990.2000	1005.0112	1019.3152	1033.2427	1046.9353	1061.0151	1076.5330
3600.0	985.7673	988.9019	993.5149	1008.4067	1022.7834	1036.7837	1050.5564	1064.7563	1080.5750
3610.0	989.0420	992.1970	996.8367	1011.8091	1026.2600	1040.3330	1054.1877	1068.5134	1084.6375
3620.0	992.3215	995.4958	1000.1638	1015.2180	1029.7441	1043.8923	1057.8298	1072.2842	1088.7209
3630.0	995.6079	998.8020	1003.4976	1018.6348	1033.2378	1047.4612	1061.4836	1076.0696	1092.8247
3640.0	998.8999	1002.1140	1006.8374	1022.0581	1036.7383	1051.0398	1065.1489	1079.8721	1096.9507
3650.0	1002.1973	1005.4319	1010.1841	1025.4897	1040.2490	1054.6284	1068.8264	1083.6895	1101.0977
3660.0	1005.5010	1008.7568	1013.5376	1028.9294	1043.7681	1058.2275	1072.5154	1087.5242	1105.2686
3670.0	1008.8105	1012.0872	1016.8972	1032.3767	1047.2961	1061.8367	1076.2166	1091.3752	1109.4607
3680.0	1012.1257	1015.4238	1020.2639	1035.8308	1050.8328	1065.4565	1079.9316	1095.2424	1113.6750
3690.0	1015.4480	1018.7678	1023.6377	1039.2947	1054.3794	1069.0862	1083.6594	1099.1294	1117.9126
3700.0	1018.7756	1022.1179	1027.0188	1042.7666	1057.9358	1072.7285	1087.4004	1103.0337	1122.1755
3710.0	1022.1108	1025.4749	1030.4063	1046.2468	1061.5015	1076.3813	1091.1545	1106.9565	1126.4604
3720.0	1025.4517	1028.8394	1033.8022	1049.7358	1065.0774	1080.0469	1094.9241	1110.8989	1130.7708
3730.0	1028.7998	1032.2095	1037.2041	1053.2334	1068.6638	1083.7231	1098.7075	1114.8594	1135.1038
3740.0	1032.1548	1035.5879	1040.6150	1056.7405	1072.2607	1087.4126	1102.5054	1118.8403	1139.4629
3750.0	1035.5161	1038.9741	1044.0332	1060.2559	1075.8679	1091.1138	1106.3184	1122.8435	1143.8477
3760.0	1038.8840	1042.3652	1047.4590	1063.7810	1079.4861	1094.8276	1110.1460	1126.8662	1148.2573
3770.0	1042.2607	1045.7661	1050.8921	1067.3154	1083.1152	1098.5554	1113.9919	1130.9102	1152.6921
3780.0	1045.6436	1049.1738	1054.3342	1070.8596	1086.7559	1102.2954	1117.8521	1134.9763	1157.1563
3790.0	1049.0339	1052.5894	1057.7849	1074.4141	1090.4075	1106.0496	1121.7295	1139.0649	1161.6436
3800.0	1052.4314	1056.0127	1061.2434	1077.9788	1094.0723	1109.8179	1125.6240	1143.1775	1166.1604
3810.0	1055.8364	1059.4434	1064.7114	1081.5532	1097.7478	1113.6003	1129.5364	1147.3118	1170.7048

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ENTHALPY

PRESSURE = 12.0000

TEMPERATURE / FUEL/AIR RATIO									
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1059.2498	1062.8831	1068.1870	1085.1382	1101.4356	1117.3967	1133.4651	1151.4724	1175.2756
3830.0	1062.6709	1066.3306	1071.6716	1088.7344	1105.1367	1121.2078	1137.4131	1155.6558	1179.8738
3840.0	1066.0989	1069.7874	1075.1650	1092.3401	1108.8499	1125.0344	1141.3789	1159.8635	1184.5022
3850.0	1069.5361	1073.2515	1078.6687	1095.9573	1112.5767	1128.8770	1145.3650	1164.0984	1189.1584
3860.0	1072.9814	1076.7253	1082.1802	1099.5867	1116.3171	1132.7344	1149.3691	1168.3584	1193.8450
3870.0	1076.4343	1080.2075	1085.7021	1103.2266	1120.0701	1136.6082	1153.3943	1172.6458	1198.5603
3880.0	1079.8965	1083.6982	1089.2334	1106.8787	1123.8369	1140.4990	1157.4390	1176.9612	1203.3064
3890.0	1083.3672	1087.1982	1092.7747	1110.5425	1127.6187	1144.4070	1161.5054	1181.3032	1208.0833
3900.0	1086.8464	1090.7083	1096.3257	1114.2188	1131.4148	1148.3313	1165.5916	1185.6733	1212.8894
3910.0	1090.3345	1094.2266	1099.8875	1117.9077	1135.2249	1152.2737	1169.7017	1190.0718	1217.7271
3920.0	1093.8315	1097.7551	1103.4580	1121.6082	1139.0498	1156.2336	1173.8318	1194.5007	1222.5969
3930.0	1097.3389	1101.2930	1107.0403	1125.3215	1142.8916	1160.2122	1177.9861	1198.9600	1227.4988
3940.0	1100.8542	1104.8413	1110.6331	1129.0486	1146.7478	1164.2097	1182.1636	1203.4485	1232.4324
3950.0	1104.3792	1108.3999	1114.2368	1132.7893	1150.6206	1168.2261	1186.3633	1207.9685	1237.3982
3960.0	1107.9146	1111.9683	1117.8518	1136.5425	1154.5090	1172.2625	1190.5876	1212.5200	1242.3975
3970.0	1111.4607	1115.5471	1121.4780	1140.3108	1158.4146	1176.3184	1194.8374	1217.1042	1247.4312
3980.0	1115.0151	1119.1372	1125.1145	1144.0923	1162.3359	1180.3943	1199.1121	1221.7202	1252.4971
3990.0	1118.5806	1122.7375	1128.7644	1147.8892	1166.2754	1184.4912	1203.4114	1226.3708	1257.5979
4000.0	1122.1567	1126.3499	1132.4255	1151.6997	1170.2329	1188.6094	1207.7388	1231.0542	1262.7332

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ENTHALPY

PRESSURE = 13.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.1254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2750.0	723.2597	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
2760.0	726.1938	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1258	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9414	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	743.8218	[illegible]	748.9199	[illegible].7663	768.8176	778.4799	787.9580	797.2571	803.6628
2830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.706	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.649	754.7288	757.8330	768.0471	778.0632	787.8869	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7801	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4867	763.5994	766.7546	[illegible].1375	787.3186	797.3035	807.0994	816.7097	823.3296
2890.0	764.4336	766.5586	769.7311	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
2900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
2910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2920.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
2930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
2940.0	779.1865	781.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0452
2950.0	782.1399	784.3335	787.6089	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354
2960.0	785.0942	787.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
2970.0	788.0500	790.2666	793.5767	804.4675	815.1467	825.6208	835.8960	845.9766	852.9209
2980.0	791.0064	793.2349	796.5623	807.5098	818.2446	828.7732	839.1021	849.2351	856.2153
2990.0	793.9639	796.2039	799.5481	810.5525	821.3435	831.9265	842.3088	852.4946	859.5112
3000.0	797.0054	799.2568	802.6191	[illegible].4134	824.5232	835.1553	845.5950	855.8149	862.8738
3010.0	800.052	802.3169	805.6965	816.8125	827.7090	838.3904	848.8674	859.1409	866.2437
3020.0	803.1038	805.3796	808.7766	819.9480	830.8975	841.628	852.1516	862.4702	869.6165
3030.0	806.1567	808.4443	811.8594	823.0867	834.0889	844.8689	855.4402	865.8018	872.9954
3040.0	809.2119	811.5120	814.9453	826.2280	837.2822	848.1130	858.7302	869.1362	876.3767
3050.0	812.2708	814.5828	818.0332	829.3728	840.4802	851.3601	862.0247	872.4746	879.7659
3060.0	815.1315	817.6[illegible]	[illegible].1265	[illegible].5205	843.6799	854.6099	865.3220	875.8164	883.1575
3070.0	818.3950	820.7319	824.2183	835.6702	846.8826	857.8630	868.6208	879.1606	886.5549
3080.0	821.4614	823.8105	827.3152	838.8235	850.0884	861.1189	871.9243	882.5061	889.9568
3090.0	824.5305	826.8926	830.4153	841.9802	853.2976	864.3787	875.2307	885.8591	893.3657
3100.0	827.6028	829.9778	833.5175	845.1396	856.5105	867.6406	878.5403	889.2146	896.7786
3110.0	830.6777	833.0645	836.6226	848.3015	859.7258	870.9063	881.8518	892.5728	900.1985
3120.0	833.7559	836.1550	839.7317	[illegible].4670	862.9446	874.1753	885.1697	895.9348	903.6238
3130.0	836.8367	839.2485	842.8433	854.6357	866.1670	877.4485	888.4893	899.3008	907.0544
3140.0	839.9199	842.3450	845.9580	857.8079	869.3926	880.7236	891.8130	902.6707	910.4934
3150.0	843.0063	845.4436	849.0757	860.9834	872.6211	884.0024	895.1394	906.0439	913.9365
3140.0	846.0962	848.5461	852.1970	864.1619	875.8538	887.2861	898.4702	909.4224	917.3875
3170.0	849.1890	851.6521	855.3210	867.3445	879.0898	890.5720	901.8047	912.8044	920.8464
3180.0	852.2839	[illegible].7610	[illegible].4477	[illegible].5295	882.3293	893.863[illegible]	[illegible].1436	916.1912	924.3127
3190.0	855.3826	857.8718	861.5786	873.7190	885.5723	897.1568	908.4858	919.5818	927.7854
3200.0	858.4854	860.9873	864.7126	876.9114	888.8188	900.4541	911.8318	922.9773	931.2651
3210.0	861.5896	864.1062	867.8503	880.1074	892.0696	903.7560	915.1821	926.3770	934.7551
3220.0	864.6985	867.2280	870.9902	883.3064	895.3232	907.0623	[illegible].5371	929.7815	938.2510
3230.0	867.8098	870.3528	874.1353	886.5107	898.5823	910.3721	921.8965	933.1914	941.7566
3240.0	870.9246	873.4812	877.2827	889.7175	[illegible].8445	913.6858	[illegible].2588	936.6062	945.2710
3250.0	874.0430	876.6123	880.4336	892.9282	905.1101	917.0042	928.6267	940.0264	948.7947
3260.0	877.1641	[illegible].7481	[illegible].5879	[illegible].1431	908.3804	920.3264	[illegible].0000	943.4512	952.3259
3270.0	880.2896	882.8865	886.7466	899.3621	911.6545	923.6533	935.3765	946.8826	955.8684

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ENTHALPY

PRESSURE = 13.0000

TEMPERATURE / DEGREES R	FUEL/AIR RATIO 0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	883.4177	886.0291	889.9084	902.5842	914.9329	926.9844	938.7578	950.3181	959.4202
3290.0	886.5483	889.1738	893.0735	905.8113	918.2158	930.3193	942.1440	953.7605	962.9807
3300.0	889.6845	892.3157	896.2436	909.0415	921.5027	933.6594	945.5359	957.2083	966.5530
3310.0	892.8240	895.4768	899.4170	912.2764	924.7947	937.0049	948.9333	960.6626	970.1362
3320.0	895.9668	898.6333	902.5933	915.5154	928.0901	940.3542	952.3347	964.1226	973.7302
3330.0	899.1116	901.7939	905.7749	918.7593	931.3916	943.7092	955.7424	967.5896	977.3354
3340.0	902.2617	904.9578	908.9592	922.0059	934.6963	947.0684	959.1545	971.0625	980.9504
3350.0	905.4153	908.1270	912.1479	925.2581	938.0061	950.4333	962.5723	974.5425	984.5789
3360.0	908.5722	911.2983	915.3413	928.5156	941.3218	953.8040	965.9978	978.0308	988.2195
3370.0	911.7341	914.4746	918.5386	931.7759	944.6406	957.1781	969.4277	981.5247	991.8723
3380.0	914.8994	917.6541	921.7402	935.0413	947.9648	960.5598	972.8636	985.0264	995.5371
3390.0	918.0681	920.8384	924.9456	938.3118	951.2957	963.9453	976.3042	988.5361	999.2156
3400.0	921.2410	924.0278	928.1550	941.5874	954.6306	967.3374	979.7534	992.0532	1002.9072
3410.0	924.4177	927.2192	931.3687	944.8667	957.9705	970.7339	983.2075	995.5774	1006.6118
3420.0	927.5995	930.4172	934.5879	948.1523	961.3162	974.1379	986.6692	999.1121	1010.3313
3430.0	930.7849	933.6177	937.8115	951.4424	964.6675	977.5479	990.1375	1002.6541	1014.0647
3440.0	933.9751	936.8228	941.0391	954.7373	968.0239	980.9629	993.6125	1006.2046	1017.8127
3450.0	937.1685	940.0332	944.2710	958.0378	971.3865	984.3848	997.0940	1009.7646	1021.5747
3460.0	940.3662	943.2471	947.5078	961.3435	974.7554	987.8127	1000.5833	1013.3333	1025.3521
3470.0	943.5691	946.4666	950.7507	964.6548	978.1284	991.2478	1004.0811	1016.9114	1029.1450
3480.0	946.7761	949.6900	953.9971	967.9712	981.5088	994.6887	1007.5847	1020.4995	1032.9548
3490.0	949.9883	952.9162	957.2483	971.2930	984.8960	998.1375	1011.0969	1024.0989	1036.7798
3500.0	953.2041	956.1516	960.5054	974.6208	988.2893	1001.5930	1014.6172	1027.7073	1040.6216
3510.0	956.4248	959.3894	963.7671	977.9543	991.6875	1005.0549	1018.1460	1031.3271	1044.4797
3520.0	959.6504	962.6326	967.0342	981.2935	995.0933	1008.5242	1021.6921	1034.9575	1048.3550
3530.0	962.8818	965.9804	970.3064	984.6392	998.5061	1012.0017	1025.2280	1038.5986	1052.2476
3540.0	966.1165	969.1328	973.5847	987.9900	1001.9246	1015.4863	1028.7827	1042.2527	1056.1580
3550.0	969.3557	972.3911	976.8665	991.3477	1005.3508	1018.9788	1032.3464	1045.9182	1060.0857
3560.0	972.6011	975.6545	980.1555	994.7119	1008.7839	1022.4790	1035.9187	1049.5965	1064.0334
3570.0	975.8523	978.9233	983.4490	998.0820	1012.2241	1025.9880	1039.5000	1053.2844	1067.9980
3580.0	979.1069	982.1975	986.7485	1001.4595	1015.6711	1029.5046	1043.0913	1056.9875	1071.9827
3590.0	982.3682	985.4763	990.0547	1004.8425	1019.1260	1033.0298	1046.6938	1060.7026	1075.9863
3600.0	985.6340	988.7612	993.3657	1008.2324	1022.5889	1036.5637	1050.3047	1064.4326	1080.0088
3610.0	988.9055	992.0525	996.6833	1011.6299	1026.0598	1040.1071	1053.9280	1068.1765	1084.0520
3620.0	992.1816	995.3481	1000.0066	1015.0334	1029.5376	1043.6584	1057.5598	1071.9348	1088.1160
3630.0	995.4651	998.6501	1003.3364	1018.4453	1033.0247	1047.2208	1061.2053	1075.7061	1092.2000
3640.0	998.7532	1001.9585	1006.6721	1021.8638	1036.5193	1050.7908	1064.8601	1079.4939	1096.3047
3650.0	1002.0466	1005.2725	1010.0146	1025.2893	1040.0225	1054.3713	1068.5264	1083.2969	1100.4314
3660.0	1005.3459	1008.5925	1013.3628	1028.7231	1043.5347	1057.9604	1072.2056	1087.1160	1104.5796
3670.0	1008.6523	1011.9192	1016.7180	1032.1641	1047.0552	1061.5618	1075.8967	1090.9512	1108.7498
3680.0	1011.9634	1015.2517	1020.0793	1035.6130	1050.5847	1065.1721	1079.5999	1094.8042	1112.9414
3690.0	1015.2817	1018.5908	1023.4485	1039.0703	1054.1243	1068.7938	1083.3152	1098.6726	1117.1560
3700.0	1018.6052	1021.9363	1026.8240	1042.5354	1057.6721	1072.4258	1087.0447	1102.5601	1121.3943
3710.0	1021.9353	1025.2888	1030.2068	1046.0088	1061.2295	1076.0684	1090.7856	1106.4641	1125.6545
3720.0	1025.2717	1028.6484	1033.5969	1049.4919	1064.7976	1079.7241	1094.5424	1110.3875	1129.9404
3730.0	1028.6152	1032.0132	1036.9937	1052.9817	1068.3743	1083.3882	1098.3115	1114.3296	1134.2490
3740.0	1031.9649	1035.3870	1040.3984	1056.4807	1071.9624	1087.0676	1102.0962	1118.2925	1138.5815
3750.0	1035.3215	1038.7666	1043.8115	1059.9890	1075.5608	1090.7573	1105.8948	1122.2737	1142.9390
3760.0	1038.6848	1042.1528	1047.2302	1063.5056	1079.1685	1094.4592	1109.7080	1126.2751	1147.3220
3770.0	1042.0554	1045.5471	1050.6580	1067.0325	1082.7881	1098.1748	1113.5374	1130.2979	1151.7297
3780.0	1045.4319	1048.9495	1054.0930	1070.5686	1086.4185	1101.9031	1117.3813	1134.3416	1156.1638
3790.0	1048.8167	1052.3582	1057.5364	1074.1140	1090.0596	1105.6428	1121.2428	1138.4075	1160.6235
3800.0	1052.2087	1055.7749	1060.9888	1077.6702	1093.7131	1109.3982	1125.1208	1142.4956	1165.1108
3810.0	1055.6079	1059.2000	1064.4485	1081.2349	1097.3774	1113.1667	1129.0147	1146.6062	1169.6238

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PRESSURE = 13.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1059.0146	1062.6326	1067.9163	1084.8108	1101.0537	1116.9487	1132.9253	1150.7402	1174.1641
3830.0	1062.4280	1066.0737	1071.3940	1088.3970	1104.7434	1120.7456	1136.8552	1154.8975	1178.7322
3840.0	1065.8506	1069.5215	1074.8794	1091.9929	1108.4436	1124.5571	1140.8020	1159.0796	1183.3276
3850.0	1069.2804	1072.9797	1078.3745	1095.5999	1112.1577	1128.3838	1144.7676	1163.2871	1187.9521
3860.0	1072.7195	1076.4453	1081.8784	1099.2185	1115.8848	1132.2256	1148.7515	1167.5183	1192.6040
3870.0	1076.1658	1079.9194	1085.3909	1102.8477	1119.6245	1136.0830	1152.7556	1171.7761	1197.2861
3880.0	1079.6191	1083.4019	1088.9141	1106.4875	1123.3772	1139.9561	1156.7793	1176.0613	1201.9971
3890.0	1083.0823	1086.8938	1092.4463	1110.1404	1127.1448	1143.8464	1160.8225	1180.3730	1206.7385
3900.0	1086.5537	1090.3950	1095.9873	1113.8044	1130.9258	1147.7529	1164.8862	1184.7114	1211.5085
3910.0	1090.0334	1093.9058	1099.5386	1117.4805	1134.7207	1151.6760	1168.9714	1189.0784	1216.3086
3920.0	1093.5227	1097.4243	1103.0999	1121.1692	1138.5313	1155.6169	1173.0781	1193.4729	1221.1418
3930.0	1097.0205	1100.9531	1106.6721	1124.8699	1142.3555	1159.5754	1177.2063	1197.8979	1226.0051
3940.0	1100.5276	1104.4929	1110.2549	1128.5828	1146.1958	1163.5525	1181.3572	1202.3516	1230.9987
3950.0	1104.0432	1108.0403	1113.8474	1132.3091	1150.0505	1167.5481	1185.5308	1206.8350	1235.9250
3960.0	1107.5696	1111.5994	1117.4514	1136.0486	1153.9221	1171.5627	1189.7283	1211.3503	1240.7844
3970.0	1111.1055	1115.1682	1121.0659	1139.8025	1157.8091	1175.5964	1193.9500	1215.8967	1245.7764
3980.0	1114.6439	1118.7468	1124.6917	1143.5688	1161.7124	1179.6492	1198.1951	1220.4739	1250.8003
3990.0	1118.2053	1122.3367	1128.3281	1147.3489	1165.6326	1183.7217	1202.4653	1225.0837	1255.8589
4000.0	1121.7705	1125.9368	1131.9771	1151.1443	1169.5698	1187.8164	1206.7610	1229.7275	1260.9509

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PRESSURE = 14.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
2760.0	726.1938	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	743.8218	745.8665	748.9199	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
2890.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
2900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
2910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2920.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
2930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
2940.0	779.1865	781.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0452
2950.0	782.1399	784.3335	787.6089	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354
2960.0	785.0942	787.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
2970.0	788.0500	790.2666	793.5767	804.4675	815.1467	825.6208	835.8960	845.9766	852.9209
2980.0	791.0066	793.2349	796.5623	807.5098	818.2446	828.7732	839.1021	849.2351	856.2153
2990.0	793.9639	796.2039	799.5481	810.5525	821.3435	831.9265	842.3088	852.4946	859.5112
3000.0	796.9539	799.2058	802.5476	813.6292	824.4736	835.1094	845.5432	855.7781	862.8333
3010.0	800.0017	802.2661	805.6455	816.7617	827.6587	838.3445	848.8242	859.1030	866.2019
3020.0	803.0510	805.3276	808.7256	819.8972	830.8459	841.5813	852.1086	862.4309	869.5725
3030.0	806.1045	808.3921	811.8069	823.0347	834.0369	844.8223	855.3958	865.7610	872.9492
3040.0	809.1594	811.4595	814.8926	826.1760	837.2302	848.0645	858.6853	869.0950	876.3293
3050.0	812.2173	814.5295	817.9800	829.3198	840.4270	851.3113	861.9788	872.4326	879.7144
3060.0	815.2781	817.6028	821.0715	832.4668	843.6265	854.5601	865.2751	875.7729	883.1047
3070.0	818.3411	820.6780	824.1641	835.6162	846.8284	857.8125	868.5732	879.1155	886.5000
3080.0	821.4075	823.7563	827.2605	838.7686	850.0334	861.0676	871.8755	882.4626	889.9989
3090.0	824.4768	826.8381	830.3599	841.9246	853.2429	864.3254	875.1814	885.8125	893.3052
3100.0	827.5481	829.9221	833.4619	845.0830	856.4541	867.5869	878.4893	889.1647	896.7158
3110.0	830.6228	833.0095	836.5671	848.2444	859.6685	870.8516	881.8008	892.5227	900.1311
3120.0	833.6997	836.0989	839.6753	851.4097	862.8867	874.1201	885.1162	895.8835	903.5542
3130.0	836.7800	839.1921	842.7859	854.5776	866.1074	877.3916	888.4351	899.2485	906.9822
3140.0	839.8633	842.2876	845.9004	857.7488	869.3325	880.6663	891.7578	902.6165	910.4170
3150.0	842.9487	845.3862	849.0168	860.9236	872.5605	883.9441	895.0830	905.9888	913.8574
3160.0	846.0381	848.4885	852.1375	864.1018	875.7922	887.2263	898.4131	909.3645	917.3042
3170.0	849.1296	851.5933	855.2612	867.2822	879.0264	890.5112	901.7456	912.7454	920.7583
3180.0	852.2251	854.7012	858.3881	870.4675	882.2656	893.8008	905.0825	916.1294	924.2202
3190.0	855.3232	857.8123	861.5176	873.6550	885.5071	897.0933	908.4231	919.5186	927.6885
3200.0	858.4243	860.9265	864.6506	876.8467	888.7524	900.3904	911.7683	922.9116	931.1643
3210.0	861.5283	864.0442	867.7869	880.0417	892.0022	903.6897	915.1167	926.3096	934.6489
3220.0	864.6362	867.1648	870.9263	883.2402	895.2566	906.9941	918.4692	929.7114	938.1406
3230.0	867.7476	870.2888	874.0706	886.4429	898.5122	910.3032	921.8274	933.1191	941.6411
3240.0	870.8613	873.4170	877.2170	889.6497	901.7725	913.6145	925.1882	936.5315	945.1499
3250.0	873.9792	876.5469	880.3669	892.8577	905.0371	916.9312	928.5540	939.9478	948.6677
3260.0	877.0996	879.6814	883.5205	896.0713	908.3054	920.2517	931.9248	943.3708	952.1929
3270.0	880.2236	882.8193	886.6780	899.2891	911.5789	923.5767	935.2996	946.7988	955.7295

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PRESSURE = 14.0000
TEMPERATURE / FUEL/AIR RATIO

DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	883.7511	885.9607	889.8384	902.5103	914.8557	926.9058	938.6790	950.2324	959.2747
3290.0	884.4817	889.1050	893.0024	905.7351	918.1360	930.2395	942.0627	953.6702	962.8298
3300.0	889.6157	892.2529	896.1711	908.9646	921.4214	933.5776	945.4517	957.1152	966.3945
3310.0	892.7542	895.4058	899.3428	912.1980	924.7114	936.9202	948.8464	960.5664	969.9705
3320.0	895.8955	898.5608	902.5190	915.4351	928.0059	940.2673	952.2454	964.0229	973.5566
3330.0	899.0400	901.7205	905.6992	918.6770	931.3044	943.6204	955.6499	967.4856	977.1548
3340.0	902.1887	904.8840	908.8818	921.9224	934.6069	946.9771	959.0596	970.9556	980.7627
3350.0	905.3418	908.0505	912.0696	925.1731	937.9148	950.3391	962.4749	974.4307	984.3818
3360.0	908.4983	911.2217	915.2612	928.4285	941.2285	953.7075	965.8962	977.9153	988.0146
3370.0	911.6577	914.3962	918.4568	931.6868	944.5454	957.0793	969.3230	981.4041	991.6572
3380.0	914.8215	917.5745	921.6563	934.9502	947.8674	960.4575	972.7551	984.9009	995.3145
3390.0	917.9890	920.7571	924.8604	938.2192	951.1948	963.8406	976.1931	988.4058	998.9822
3400.0	921.1614	923.9443	928.0688	941.4922	954.5278	967.2300	979.6387	991.9182	1002.6650
3410.0	924.3384	927.1357	931.2803	944.7695	957.8650	970.6243	983.0891	995.4377	1006.3594
3420.0	927.5168	930.3308	934.4978	948.0522	961.2083	974.0247	986.5466	998.9653	1010.0686
3430.0	930.7002	933.5300	937.7190	951.3401	964.5566	977.4304	990.0105	1002.5024	1013.7908
3440.0	933.8877	936.7329	940.9451	954.6328	967.9102	980.8423	993.4812	1006.0471	1017.5278
3450.0	937.0803	939.9414	944.1755	957.9312	971.2693	984.2607	996.9592	1009.6008	1021.2788
3460.0	940.2766	943.1548	947.4102	961.2329	974.6345	987.6846	1000.4438	1013.1626	1025.0452
3470.0	943.4771	946.3708	950.6497	964.5422	978.0059	991.1160	1003.9358	1016.7349	1028.8262
3480.0	946.6826	949.5925	953.8943	967.8557	981.3823	994.5527	1007.4346	1020.3169	1032.6226
3490.0	949.8928	952.8188	957.1443	971.1750	984.7654	997.9973	1010.9419	1023.9077	1036.4351
3500.0	953.1064	956.0498	960.3982	974.4998	988.1548	1001.4482	1014.4570	1027.5085	1040.2634
3510.0	956.3254	959.2859	963.6575	977.8301	991.5498	1004.9058	1017.9797	1031.1208	1044.1089
3520.0	959.5483	962.5261	966.9219	981.1660	994.9517	1008.3711	1021.5107	1034.7429	1047.9700
3530.0	962.7776	965.7717	970.1921	984.5083	998.3601	1011.8430	1025.0505	1038.3762	1051.8481
3540.0	966.0098	969.0212	973.4651	987.8557	1001.7744	1015.3230	1028.5979	1042.0205	1055.7441
3550.0	969.2476	972.2773	976.7461	991.2090	1005.1965	1018.8096	1032.1548	1045.6772	1059.6577
3560.0	972.4900	975.5381	980.0327	994.5701	1008.6250	1022.3049	1035.7212	1049.3445	1063.5888
3570.0	975.7380	978.8037	983.3228	997.9365	1012.0605	1025.8083	1039.2961	1053.0242	1067.5383
3580.0	978.9917	982.0752	986.6201	1001.3095	1015.5034	1029.3191	1042.8809	1056.7163	1071.5059
3590.0	982.2488	985.3518	989.9216	1004.6892	1018.9536	1032.8384	1046.4751	1060.4216	1075.4929
3600.0	985.5122	988.6338	993.2302	1008.0750	1022.4104	1036.3660	1050.0784	1064.1406	1079.4993
3610.0	988.7810	991.9211	996.5444	1011.4683	1025.8765	1039.9033	1053.6936	1067.8730	1083.5251
3620.0	992.0540	995.2144	999.8633	1014.8667	1029.3486	1043.4480	1057.3179	1071.6182	1087.5708
3630.0	995.3345	998.5129	1003.1899	1018.2739	1032.8301	1047.0020	1060.9541	1075.3796	1091.6365
3640.0	998.6191	1001.8169	1006.5215	1021.6877	1036.3188	1050.5652	1064.5996	1079.1541	1095.7227
3650.0	1001.9102	1005.1287	1009.8606	1025.1084	1039.8164	1054.1387	1068.2583	1082.9438	1099.8301
3660.0	1005.2053	1008.4443	1013.2043	1028.5371	1043.3218	1057.7209	1071.9268	1086.7493	1103.9578
3670.0	1008.5083	1011.7673	1016.5557	1031.9729	1046.8367	1061.3145	1075.6074	1090.5708	1108.1082
3680.0	1011.8162	1015.0959	1019.9128	1035.4172	1050.3599	1064.9167	1079.3010	1094.4089	1112.2798
3690.0	1015.1289	1018.4307	1023.2773	1038.8677	1053.8911	1068.5300	1083.0051	1098.2625	1116.4727
3700.0	1018.4497	1021.7720	1026.6484	1042.3276	1057.4324	1072.1528	1086.7236	1102.1343	1120.6899
3710.0	1021.7751	1025.1199	1030.0259	1045.7944	1060.9824	1075.7874	1090.4539	1106.0222	1124.9282
3720.0	1025.1094	1028.4749	1033.4116	1049.2705	1064.5427	1079.4326	1094.1992	1109.9299	1129.1914
3730.0	1028.4468	1031.8357	1036.8030	1052.7542	1068.1118	1083.0894	1097.9568	1113.8545	1133.4763
3740.0	1031.7930	1035.2034	1040.2026	1056.2471	1071.6917	1086.7578	1101.7283	1117.7974	1137.7866
3750.0	1035.1445	1038.5791	1043.6096	1059.7485	1075.2817	1090.4368	1105.5142	1121.7612	1142.1201
3760.0	1038.5034	1041.9604	1047.0237	1063.2590	1078.8806	1094.1284	1109.3140	1125.7439	1146.4775
3770.0	1041.8691	1045.3506	1050.4446	1066.7776	1082.4912	1097.8330	1113.1287	1129.7471	1150.8601
3780.0	1045.2407	1048.7466	1053.8748	1070.3066	1086.1118	1101.5491	1116.9592	1133.7710	1155.2673
3790.0	1048.6196	1052.1494	1057.3118	1073.8442	1089.7439	1105.2786	1120.8059	1137.8159	1159.7026
3800.0	1052.0066	1055.5613	1060.7573	1077.3921	1093.3877	1109.0222	1124.6689	1141.8833	1164.1626
3810.0	1055.4009	1058.9807	1064.2109	1080.9490	1097.0427	1112.7781	1128.5471	1145.9719	1168.6494

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ENTHALPY

PRESSURE = 14.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1058.8020	1062.4058	1067.6724	1084.5159	1100.7085	1116.5471	1132.4414	1150.0825	1173.1611
3830.0	1062.2102	1065.8406	1071.1431	1088.0930	1104.3862	1120.3308	1136.3545	1154.2170	1177.7009
3840.0	1065.6255	1069.2832	1074.6213	1091.6802	1108.0762	1124.1284	1140.2834	1158.3750	1182.2673
3850.0	1069.0496	1072.7339	1078.1094	1095.2786	1111.7795	1127.9407	1144.2324	1162.5574	1186.8628
3860.0	1072.4814	1076.1929	1081.6055	1098.8872	1115.4941	1131.7683	1148.1980	1166.7639	1191.4839
3870.0	1075.9221	1079.6606	1085.1108	1102.5059	1119.2222	1135.6116	1152.1821	1170.9961	1196.1355
3880.0	1079.3691	1083.1353	1088.6248	1106.1360	1122.9617	1139.4690	1156.1865	1175.2532	1200.8140
3890.0	1082.8247	1086.6206	1092.1497	1109.7786	1126.7168	1143.3438	1160.2100	1179.5378	1205.5244
3900.0	1086.2888	1090.1138	1095.6826	1113.4314	1130.4851	1147.2339	1164.2534	1183.8472	1210.2620
3910.0	1089.7620	1093.6155	1099.2256	1117.0967	1134.2664	1151.1401	1168.3171	1188.1846	1215.0293
3920.0	1093.2427	1097.1274	1102.7788	1120.7732	1138.0623	1155.0640	1172.4021	1192.5500	1219.8271
3930.0	1096.7336	1100.6477	1106.3413	1124.4626	1141.8721	1159.0049	1176.5081	1196.9443	1224.6560
3940.0	1100.2332	1104.1782	1109.9136	1128.1641	1145.6978	1162.9634	1180.6355	1201.3665	1229.5149
3950.0	1103.7410	1107.7178	1113.4968	1131.8774	1149.5376	1166.9397	1184.7856	1205.8181	1234.4053
3960.0	1107.2576	1111.2668	1117.0911	1135.6055	1153.3926	1170.9346	1188.9585	1210.2998	1239.3279
3970.0	1110.7847	1114.8262	1120.6951	1139.3447	1157.2639	1174.9487	1193.1543	1214.8125	1244.2830
3980.0	1114.3206	1118.3953	1124.3098	1143.0979	1161.1506	1178.9807	1197.3726	1219.3552	1249.2690
3990.0	1117.8667	1121.9758	1127.9358	1146.8650	1165.0542	1183.0332	1201.6172	1223.9294	1254.2883
4000.0	1121.4233	1125.5657	1131.5740	1150.6453	1168.9731	1187.1060	1205.8855	1228.5361	1259.3416

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TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
2760.0	726.1938	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	743.8218	745.8665	748.9189	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8196	751.8889	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
2890.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
2900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
2910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2920.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
2930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
2940.0	779.1865	781.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0452
2950.0	782.1399	784.3335	787.6089	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354
2960.0	785.0942	787.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
2970.0	788.0500	790.2666	793.5767	804.4675	815.1467	825.6208	835.8960	845.9766	852.9209
2980.0	791.0066	793.2349	796.5623	807.5098	818.2446	828.7732	839.1021	849.2351	856.2153
2990.0	793.9639	796.2039	799.5481	810.5525	821.3435	831.9265	842.3088	852.4946	859.5112
3000.0	796.9224	799.1738	802.5356	813.5969	824.4436	835.0813	845.5173	855.7559	862.8086
3010.0	799.8683	802.2317	805.6218	816.6385	827.6267	838.3142	848.7981	859.0781	866.1731
3020.0	803.0141	805.2935	808.6909	819.8633	830.8142	841.5510	852.0815	862.4063	869.5444
3030.0	806.0708	808.3579	811.7727	823.0010	834.0046	844.7913	855.3679	865.7358	872.9192
3040.0	809.1252	811.4253	814.8577	826.1414	837.1973	848.0330	858.6572	869.0691	876.2983
3050.0	812.1836	814.4956	817.9453	829.2854	840.3936	851.2793	861.9502	872.4063	879.6826
3060.0	815.2441	817.5676	821.0356	832.4314	843.5925	854.5278	865.2458	875.7456	883.0713
3070.0	818.3069	820.6428	824.1287	835.5806	846.7937	857.7788	868.5437	879.0876	886.4639
3080.0	821.3723	823.7207	827.2249	838.7329	849.9988	861.0342	871.8452	882.4338	889.8621
3090.0	824.4419	826.8025	830.3240	841.8884	853.2070	864.2915	875.1494	885.7834	893.2664
3100.0	827.5132	829.8860	833.4250	845.0461	856.4182	867.5527	878.4578	889.1357	896.6748
3110.0	830.5869	832.9729	836.5308	848.2080	859.6323	870.8171	881.7686	892.4919	900.0889
3120.0	833.6638	836.0623	839.6382	851.3718	862.8499	874.0842	885.0837	895.8516	903.5090
3130.0	836.7439	839.1550	842.7485	854.5391	866.0703	877.3552	888.4016	899.2153	906.9353
3140.0	839.8267	842.2505	845.8625	857.7100	869.2944	880.6296	891.7224	902.5833	910.3679
3150.0	842.9121	845.3486	848.9788	860.8840	872.5217	883.9070	895.0474	905.9531	913.8052
3160.0	846.0010	848.4500	852.0986	864.0615	875.7527	887.1875	898.3762	909.3269	917.2515
3170.0	849.0918	851.5544	855.2209	867.2417	878.9873	890.4717	901.7085	912.7075	920.7026
3180.0	852.1875	854.6619	858.3477	870.4260	882.2249	893.7607	905.0442	916.0913	924.1621
3190.0	855.2849	857.7722	861.4768	873.6133	885.4656	897.0527	908.3843	919.4788	927.6274
3200.0	858.3853	860.9865	864.6099	876.8042	888.7102	900.3481	911.7283	922.8711	931.1011	
3210.0	861.4895	864.0032	867.7456	879.9988	891.9587	903.6476	915.0750	926.2664	934.5813
3220.0	864.5967	867.1243	870.8850	883.1968	895.2112	906.9504	918.4272	929.6672	938.0693
3230.0	867.7073	870.2478	874.0283	886.3987	898.4675	910.2583	921.7837	933.0737	941.5679
3240.0	870.8203	873.3746	877.1743	889.6030	901.7271	913.5686	925.1436	936.4841	945.0723
3250.0	873.9377	876.5042	880.3235	892.8123	904.9907	916.8845	928.5073	939.9001	948.5869
3260.0	877.0574	879.6389	883.4763	896.0249	908.2583	920.2039	931.8765	943.3203	952.1091
3270.0	880.1807	882.7754	886.6328	899.2410	911.5305	923.5276	935.2500	946.7466	955.6401

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PRESSURE = 14.6960

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	883.3083	885.9163	889.7932	902.4617	914.8062	926.8552	938.6284	950.1777	959.1819
3290.0	886.4385	889.0605	892.9568	905.6858	918.0857	930.1877	942.0110	953.6143	962.7329
3300.0	889.5718	892.2070	896.1235	908.9141	921.3699	933.5247	945.3984	957.0562	966.2927
3310.0	892.7095	895.3591	899.2957	912.1465	924.6587	936.8662	948.7915	960.5059	969.8650
3320.0	895.8499	898.5139	902.4705	915.3828	927.9514	940.2126	952.1885	963.9590	973.4458
3330.0	898.9941	901.6726	905.6492	918.6235	931.2490	943.5635	955.5918	967.4207	977.0391
3340.0	902.1421	904.8350	908.8315	921.8684	934.5508	946.9189	958.9990	970.8867	980.6409
3350.0	905.2942	908.0010	912.0183	925.1174	937.8574	950.2793	962.4126	974.3606	984.2559
3360.0	908.4497	911.1711	915.2090	928.3711	941.1687	953.6458	965.8320	977.8408	987.8823
3370.0	911.6086	914.3452	918.4033	931.6292	944.4841	957.0161	969.2566	981.3274	991.5208
3380.0	914.7717	917.5227	921.6018	934.8911	947.8052	960.3918	972.6868	984.8220	995.1704
3390.0	917.9385	920.7046	924.8047	938.1580	951.1311	963.7734	976.1230	988.3228	998.8337
3400.0	921.1091	923.8901	928.0120	941.4307	954.4622	967.1609	979.5654	991.8325	1002.5098
3410.0	924.2837	927.0798	931.2236	944.7063	957.7981	970.5532	983.0134	995.3479	1006.1973
3420.0	927.4624	930.2744	934.4395	947.9880	961.1392	973.9512	986.4688	998.8738	1009.8997
3430.0	930.6455	933.4727	937.6592	951.2744	964.4854	977.3555	989.9297	1002.4060	1013.6162
3440.0	933.8323	936.6753	940.8840	954.5649	967.8381	980.7646	993.3984	1005.9470	1017.3457
3450.0	937.0234	939.8823	944.1130	957.8608	971.1956	984.1809	996.8735	1009.4971	1021.0896
3460.0	940.2185	943.0930	947.3467	961.1626	974.5581	987.6033	1000.3547	1013.0557	1024.8479
3470.0	943.4180	946.3098	950.5857	964.4695	977.9277	991.0310	1003.8435	1016.6228	1028.6211
3480.0	946.6221	949.5295	953.8276	967.7808	981.3018	994.4653	1007.3396	1020.1995	1032.4097
3490.0	949.8313	952.7544	957.0764	971.0986	984.6826	997.9080	1010.8438	1023.7864	1036.2144
3500.0	953.0439	955.9841	960.3291	974.4211	988.0696	1001.3555	1014.3555	1027.3833	1040.0347
3510.0	956.2615	959.2173	963.5869	977.7495	991.4626	1004.8110	1017.8748	1030.9900	1043.8711
3520.0	959.4829	962.4570	966.8494	981.0840	994.8618	1008.2725	1021.4026	1034.6062	1047.7231
3530.0	962.7104	965.7019	970.1182	984.4241	998.2676	1011.7417	1024.9380	1038.2339	1051.5923
3540.0	965.9424	968.9500	973.3909	987.7698	1001.6794	1015.2176	1028.4817	1041.8728	1055.4790
3550.0	969.1780	972.2043	976.6682	991.1208	1005.0984	1018.7019	1032.0349	1045.5229	1059.3826
3560.0	972.4194	975.4631	979.9526	994.4792	1008.5242	1022.1934	1035.5957	1049.1853	1063.3040
3570.0	975.6655	978.7271	983.2415	997.8430	1011.9563	1025.6929	1039.1670	1052.8586	1067.2437
3580.0	978.9167	981.9963	986.5366	1001.2129	1015.3970	1029.2007	1042.7471	1056.5444	1071.2012
3590.0	982.1729	985.2705	989.8372	1004.5896	1018.8433	1032.7161	1046.3357	1060.2432	1075.1775
3600.0	985.4336	988.5505	993.1418	1007.9731	1022.2976	1036.2395	1049.9353	1063.9548	1079.1724
3610.0	988.7009	991.8372	996.4543	1011.3630	1025.7603	1039.7727	1053.5444	1067.6802	1083.1870
3620.0	991.9729	995.1270	999.7712	1014.7593	1029.2285	1043.3127	1057.1636	1071.4180	1087.2217
3630.0	995.2505	998.4250	1003.0952	1018.1638	1032.7063	1046.8638	1060.7944	1075.1704	1091.2749
3640.0	998.5332	1001.7263	1006.4236	1021.5740	1036.1914	1050.4224	1064.4346	1078.9365	1095.3494
3650.0	1001.8225	1005.0342	1009.7605	1024.9924	1039.6848	1053.9905	1068.0862	1082.7195	1099.4438
3660.0	1005.1152	1008.3486	1013.1025	1028.4177	1043.1868	1057.5686	1071.7495	1086.5164	1103.5596
3670.0	1008.4155	1011.6697	1016.4507	1031.8496	1046.6973	1061.1563	1075.4243	1090.3284	1107.6975
3680.0	1011.7209	1014.9954	1019.8054	1035.2898	1050.2151	1064.7539	1079.1106	1094.1567	1111.8550
3690.0	1015.0330	1018.3281	1023.1672	1038.7378	1053.7429	1068.3606	1082.8088	1098.0007	1116.0344
3700.0	1018.3496	1021.6660	1026.5352	1042.1931	1057.2793	1071.9790	1086.5203	1101.8625	1120.2375
3710.0	1021.6738	1025.0120	1029.9099	1045.6565	1060.8245	1075.6074	1090.2432	1105.7410	1124.4622
3720.0	1025.0039	1028.3635	1033.2917	1049.1289	1064.3804	1079.2476	1093.9807	1109.6375	1128.7109
3730.0	1028.3391	1031.7217	1036.6802	1052.6077	1067.9448	1082.8972	1097.7305	1113.5515	1132.9814
3740.0	1031.6826	1035.0869	1040.0762	1056.0967	1071.5193	1086.5593	1101.4937	1117.4839	1137.2756
3750.0	1035.0322	1038.4587	1043.4807	1059.5938	1075.1038	1090.2329	1105.2720	1121.4351	1141.5945
3760.0	1038.3872	1041.8369	1046.8904	1063.0996	1078.6973	1093.9170	1109.0635	1125.4065	1145.9368
3770.0	1041.7495	1045.2224	1050.3086	1066.6138	1082.3030	1097.6145	1112.8699	1129.3975	1150.3032
3780.0	1045.1179	1048.6165	1053.7339	1070.1379	1085.9172	1101.3240	1116.6917	1133.4077	1154.6943
3790.0	1048.4944	1052.0156	1057.1672	1073.6704	1089.5432	1105.0461	1120.5281	1137.4399	1159.1121
3800.0	1051.8779	1055.4241	1060.6096	1077.2124	1093.1807	1108.7813	1124.3809	1141.4927	1163.5569
3810.0	1055.2673	1058.8394	1064.0588	1080.7649	1096.8286	1112.5298	1128.2498	1145.5679	1168.0234

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PRESSURE = 14.6960

TEMPERATURE / FUEL/AIR RATIO — ENTHALPY

DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1058.6658	1062.2615	1067.5159	1084.3267	1100.4880	1116.2911	1132.1368	1148.0648	1172.5101
3830.0	1062.0699	1065.6924	1070.9817	1087.8977	1104.1592	1120.0664	1136.0364	1153.7842	1177.0391
3840.0	1065.4822	1069.1364	1074.4558	1091.4797	1107.8423	1123.8552	1139.9551	1157.9253	1181.5864
3850.0	1068.9023	1072.5771	1077.9397	1095.0715	1111.5378	1127.6589	1143.8911	1162.0935	1186.1436
3860.0	1072.3308	1076.0317	1081.4312	1098.6738	1115.2449	1131.4766	1147.8457	1166.2832	1190.7854
3870.0	1075.7661	1079.4941	1084.9312	1102.2874	1118.9656	1135.3098	1151.8188	1170.4980	1195.3960
3880.0	1079.2080	1082.9653	1088.4407	1105.9109	1122.6978	1139.1582	1155.8101	1174.7390	1200.0586
3890.0	1082.6611	1086.4448	1091.9600	1109.5471	1126.4443	1143.0225	1159.8210	1179.0051	1204.7446
3900.0	1086.1199	1089.9333	1095.4871	1113.1926	1130.2036	1146.9023	1163.8511	1183.2976	1209.4619
3910.0	1089.5879	1093.4312	1099.0249	1116.8508	1133.9763	1150.7988	1167.9011	1187.6165	1214.2080
3920.0	1093.0649	1096.9360	1102.5715	1120.5208	1137.7637	1154.7109	1171.9714	1191.9626	1218.9844
3930.0	1096.5503	1100.4507	1106.1284	1124.2019	1141.5647	1158.6406	1176.0615	1196.3369	1223.7905
3940.0	1100.0439	1103.9761	1109.6953	1127.8953	1145.3801	1162.5876	1180.1768	1200.7388	1228.6274
3950.0	1103.5464	1107.5107	1113.2732	1131.6018	1149.2104	1166.5522	1184.3103	1205.1694	1233.4944
3960.0	1107.0596	1111.0542	1116.8606	1135.3210	1153.0559	1170.5347	1188.4675	1209.6299	1238.3928
3970.0	1110.5806	1114.6084	1120.4585	1139.0518	1156.9170	1174.5356	1192.6479	1214.1211	1243.3245
3980.0	1114.1099	1118.1709	1124.0664	1142.7971	1160.7925	1178.5549	1196.8506	1218.6418	1248.2861
3990.0	1117.6504	1121.7451	1127.6851	1146.5549	1164.6846	1182.5938	1201.0771	1223.1936	1253.2817
4000.0	1121.2004	1125.3274	1131.3162	1150.3264	1168.5935	1186.6519	1205.3281	1227.7761	1258.3083

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Table 4. Concluded

Temperature Range: 2,740 to 4,000°R

15.0 to 600.0 psia

ENTHALPY

PRESSURE = 15.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6228	780.7798
2760.0	726.1938	728.1704	731.1223	740.8547	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8939	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	746.9338	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	743.8213	745.8665	748.9193	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8196	751.8899	761.9922	771.9984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
2890.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
2900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
2910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2920.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
2930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
2940.0	779.1865	781.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0452
2950.0	782.1399	784.3335	787.6089	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354
2960.0	785.0942	787.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
2970.0	788.0500	790.2666	793.5767	804.4675	815.1467	825.6208	835.8960	845.9766	852.9209
2980.0	791.0066	793.2349	796.5623	807.5098	818.2446	828.7732	839.1021	849.2351	856.2153
2990.0	793.9639	796.2039	799.5481	810.5525	821.3435	831.9265	842.3088	852.4946	859.5112
3000.0	796.9224	799.1738	802.5356	813.5969	824.4436	835.0813	845.5173	855.7559	862.8086
3010.0	799.8839	802.2180	805.5974	816.7139	827.6138	838.3008	848.7861	859.0693	866.1631
3020.0	803.0042	805.2795	808.6768	819.8444	830.8008	841.5381	852.0693	862.3962	869.5334
3030.0	806.0966	808.3442	811.7581	822.9861	833.9910	844.7766	855.3550	865.7271	872.9072
3040.0	809.1108	811.4109	814.8433	826.1267	837.1836	848.0198	858.6443	869.0598	876.2856
3050.0	812.1187	814.4810	817.9309	829.2698	840.3796	851.2654	861.9365	872.3962	879.6692
3060.0	815.2310	817.5535	821.0210	832.4165	843.5784	854.5137	865.2327	875.7354	883.0568
3070.0	818.2522	820.6284	824.1143	835.5654	846.7798	857.7654	868.5308	879.0769	886.4500
3080.0	821.3774	823.7061	827.2100	838.7170	849.9849	861.0195	871.8313	882.4219	889.8479
3090.0	824.4963	826.7874	830.3083	841.8726	853.1926	864.2769	875.1365	885.7712	893.2502
3100.0	827.6178	829.8706	833.4099	845.0303	856.4033	867.5381	878.4434	889.1233	896.6584
3110.0	830.5723	832.9578	836.5144	848.1919	859.6174	870.8018	881.7542	892.4802	900.0718
3120.0	833.6884	836.0469	839.6226	851.3560	862.8345	874.0691	885.0691	895.8384	903.4919
3130.0	836.7283	839.1399	842.7329	854.5229	866.0547	877.3394	888.3862	899.2024	906.9170
3140.0	839.8108	842.2346	845.8464	857.6931	869.2788	880.6140	891.7075	902.5698	910.3486
3150.0	842.8865	845.3323	848.9629	860.8669	872.5056	883.8901	895.0320	905.9399	913.7847
3160.0	845.9846	848.4338	852.0825	864.0449	875.7363	887.1711	898.3599	909.3135	917.2290
3170.0	849.0767	851.5383	855.2051	867.2246	878.9700	890.4556	901.6909	912.6921	920.6793
3180.0	852.1709	854.6458	858.3311	870.4087	882.2075	893.7432	905.0273	916.0757	924.1379
3190.0	855.2683	857.7559	861.4597	873.5955	885.4480	897.0344	908.3665	919.4629	927.6016
3200.0	858.3694	860.8704	864.5933	876.7861	888.6924	900.3301	911.7102	922.8515	931.0737
3210.0	861.4734	863.9866	867.7283	879.9805	891.9412	903.6287	915.0574	926.2500	934.5537
3220.0	864.5801	867.1069	870.8677	883.1775	895.1924	906.9316	918.4080	929.6504	938.0410
3230.0	867.6895	870.2307	874.0100	886.3796	898.4490	910.2390	921.7644	933.0554	941.5366
3240.0	870.8032	873.3577	877.1558	889.5840	901.7080	913.5500	925.1235	936.4651	945.0405
3250.0	873.9197	876.4873	880.3049	892.7922	904.9712	916.8660	928.4875	939.8796	948.5532
3260.0	877.0400	879.6213	883.4570	896.0044	908.2385	920.1833	931.8564	943.3000	952.0740
3270.0	880.1631	882.7581	886.6140	899.2207	911.5100	923.5068	935.2285	946.7246	955.6045

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ENTHALPY

PRESSURE = 15.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	883.2896	885.8977	889.7739	902.4409	914.7854	926.8347	938.6064	950.1558	959.1431
3290.0	886.4194	889.0413	892.9373	905.6648	918.0645	930.1658	941.9878	953.5916	962.6926
3300.0	889.5535	892.1887	896.1040	908.8926	921.3481	933.5020	945.3755	957.0322	966.2520
3310.0	892.6904	895.3403	899.2751	912.1243	924.6365	936.8435	948.7673	960.4805	969.8206
3320.0	895.8306	898.4949	902.4500	915.3608	927.9287	940.1887	952.1636	963.9331	973.4006
3330.0	898.9749	901.6528	905.6287	918.6008	931.2256	943.5396	955.5664	967.3945	976.9905
3340.0	902.1221	904.8149	908.8108	921.8447	934.5271	946.8943	958.9734	970.8601	980.5920
3350.0	905.2734	907.9810	911.9968	925.0940	937.8328	950.2542	962.3865	974.3320	984.2043
3360.0	908.4297	911.1509	915.1870	928.3469	941.1445	953.6199	965.8049	977.8118	987.8293
3370.0	911.5879	914.3240	918.3813	931.6047	944.4597	956.9895	969.2275	981.2964	991.4641
3380.0	914.7502	917.5012	921.5791	934.8662	947.7798	960.3645	972.6572	984.7898	995.1123
3390.0	917.9163	920.6819	924.7820	938.1326	951.1042	963.7451	976.0930	988.2893	998.7720
3400.0	921.0867	923.8677	927.9885	941.4038	954.4346	967.1318	979.5344	991.7974	1002.4456
3410.0	924.2615	927.0576	931.1997	944.6794	957.7703	970.5222	982.9817	995.3125	1006.1306
3420.0	927.4395	930.2515	934.4150	947.9602	961.1106	973.9202	986.4358	998.8354	1009.8313
3430.0	930.6221	933.4490	937.6340	951.2456	964.4563	977.3242	989.8958	1002.3674	1013.5435
3440.0	933.8096	936.6509	940.8586	954.5364	967.8079	980.7319	993.3628	1005.9063	1017.2700	
3450.0	936.9998	939.8584	944.0876	957.8315	971.1646	984.1467	996.8367	1009.4546	1021.0103
3460.0	940.1946	943.0679	947.3201	961.1321	974.5266	987.5684	1000.3171	1013.0107	1024.7664
3470.0	943.3936	946.2839	950.5579	964.4380	977.8953	990.9961	1003.8044	1016.5762	1028.5364
3480.0	946.5969	949.5037	953.8003	967.7493	981.2678	994.4290	1007.2995	1020.1514	1032.3223
3490.0	949.8054	952.7275	957.0486	971.0657	984.6482	997.8699	1010.8022	1023.7366	1036.1233
3500.0	953.0176	[illegible].9570	960.3003	974.3882	988.0339	1001.3171	1014.3127	1027.3313	1039.9390
3510.0	956.2344	[illegible].1904	963.5579	977.7156	991.4263	1004.7710	1017.8290	1030.9358	1043.7720
3520.0	959.4563	962.4294	966.8191	981.0488	994.8237	1008.2312	1021.3557	1034.5505	1047.6201
3530.0	962.6816	965.6729	970.0867	984.3877	998.2292	1011.6987	1024.8904	1038.1763	1051.4866
3540.0	965.9136	968.9199	973.3589	987.7324	1001.6401	1015.1743	1028.4329	1041.8125	1055.3691
3550.0	969.1484	972.1733	976.6360	991.0833	1005.0571	1018.6570	1031.9834	1045.4602	1059.2678
3560.0	972.3894	975.4321	979.9194	994.4399	1008.4822	1022.1465	1035.5427	1049.1199	1063.1855
3570.0	975.6348	978.6946	983.2078	997.8032	1011.9133	1025.6443	1039.1116	1052.7905	1067.1221
3580.0	978.8853	981.9639	986.5020	1001.1721	1015.3518	1029.1509	1042.6895	1056.4744	1071.0760
3590.0	982.1406	985.2366	989.8008	1004.5481	1018.7971	1032.6646	1046.2771	1060.1697	1075.0469
3600.0	985.4011	988.5166	993.1062	1007.9302	1022.2505	1036.1865	1049.8745	1063.8777	1079.0366
3610.0	988.6670	991.8018	996.4167	1011.3193	1025.7107	1039.7188	1053.4824	1067.5994	1083.0466
3620.0	991.9387	995.0916	999.7327	1014.7141	1029.1790	1043.2566	1057.0986	1071.3354	1087.0757
3630.0	995.2153	998.3870	1003.0559	1018.1172	1032.6548	1046.8052	1060.7266	1075.0847	1091.1268
3640.0	998.4971	1001.6887	1006.3840	1021.5261	1036.1379	1050.3623	1064.3650	1078.8484	1095.1948
3650.0	1001.7849	1004.9963	1009.7190	1024.9429	1039.6301	1053.9285	1068.0149	1082.6267	1099.2842
3660.0	1005.0779	1008.3098	1013.0603	1028.3669	1043.1299	1057.5042	1071.6743	1086.4204	1103.3948
3670.0	1008.3767	1011.6287	1016.4075	1031.7974	1046.6389	1061.0903	1075.3477	1090.2290	1107.5264
3680.0	1011.6807	1014.9534	1019.7605	1035.2363	1050.1550	1064.6851	1079.0308	1094.0522	1111.6787
3690.0	1014.9919	1018.2854	1023.1211	1038.6826	1053.6812	1068.2905	1082.7266	1097.8931	1115.8523
3700.0	1018.3086	1021.6226	1026.4875	1042.1367	1057.2158	1071.9067	1086.4353	1101.7502	1120.0500
3710.0	1021.6316	1024.9675	1029.8611	1045.5984	1060.7595	1075.5322	1090.1553	1105.6252	1124.2681
3720.0	1024.9597	1028.3179	1033.2429	1049.0691	1064.3127	1079.1697	1093.8889	1109.5173	1128.5103
3730.0	1028.2944	1031.6736	1036.6294	1052.5464	1067.8752	1082.8171	1097.6350	1113.4258	1132.7761
3740.0	1031.6365	1035.0388	1040.0237	1056.0337	1071.4473	1086.4763	1101.3958	1117.3540	1137.0635
3750.0	1034.9844	1038.4084	1043.4265	1059.5286	1075.0298	1090.1465	1105.1699	1121.3008	1141.3757
3760.0	1038.3391	1041.7861	1046.8357	1063.0322	1078.6211	1093.8284	1108.9587	1125.2664	1145.7117
3770.0	1041.7000	1045.1704	1050.2520	1066.5449	1082.2234	1097.5232	1112.7610	1129.2524	1150.0713
3780.0	1045.0667	1048.5615	1053.6750	1070.0667	1085.8364	1101.2307	1116.5791	1133.2573	1154.4556
3790.0	1048.4419	1051.9604	1057.1077	1073.5977	1089.4595	1104.9485	1120.4116	1137.2834	1158.8660
3800.0	1051.8242	1055.3672	1060.5479	1077.1384	1093.0945	1108.6809	1124.2603	1141.3320	1163.3020
3810.0	1055.2131	1058.7805	1063.9956	1080.6880	1096.7405	1112.4263	1128.1252	1145.4011	1167.7629

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PRESSURE = 15.0000

ENTHALPY

TEMPERATURE / FUEL/AIR RATIO										
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1058.6086	1062.2012	1067.4509	1084.2473	1100.3972	1116.1838	1132.0054	1149.4915	1172.2500
3830.0	1062.0117	1065.6299	1070.9153	1087.8159	1104.0654	1119.9558	1135.9026	1153.6045	1176.7639
3840.0	1065.4224	1069.0664	1074.3870	1091.3953	1107.7454	1123.7407	1139.8164	1157.7405	1181.3030
3850.0	1068.8411	1072.5120	1077.8694	1094.9849	1111.4373	1127.5408	1143.7490	1161.9014	1185.8721
3860.0	1072.2671	1075.9636	1081.3584	1098.5857	1115.1416	1131.3552	1147.6842	1166.0842	1190.4663
3870.0	1075.7002	1079.4250	1084.8542	1102.1960	1118.8584	1135.1841	1151.6660	1170.2925	1195.0896
3880.0	1079.1418	1082.8938	1088.3635	1105.8169	1122.5879	1139.0246	1155.6523	1174.5259	1199.7402
3890.0	1082.5920	1086.3721	1091.8809	1109.4502	1126.3306	1142.8807	1159.6560	1178.7844	1204.4207
3900.0	1086.0500	1089.8589	1095.4063	1113.0920	1130.0867	1146.7644	1163.6624	1183.0696	1209.1287
3910.0	1089.5159	1093.3528	1098.9404	1116.7480	1133.8560	1150.6560	1167.7260	1187.3801	1213.8665
3920.0	1092.9902	1096.8582	1102.4858	1120.4150	1137.6394	1154.5637	1171.7922	1191.7188	1218.6328
3930.0	1096.4734	1100.3704	1106.0405	1124.0930	1141.4365	1158.4885	1175.8772	1196.0852	1223.4304
3940.0	1099.9655	1103.8928	1109.6045	1127.7839	1145.2483	1162.4312	1179.9864	1200.4796	1228.2578
3950.0	1103.4654	1107.4248	1113.1794	1131.4863	1149.0737	1166.3901	1184.1133	1204.9014	1233.1145
3960.0	1106.9761	1110.9666	1116.7644	1135.2021	1152.9155	1170.3667	1188.2634	1209.3533	1238.0044
3970.0	1110.4946	1114.5173	1120.3589	1138.9299	1156.7712	1174.3643	1192.4365	1213.8347	1242.9263
3980.0	1114.0229	1118.0774	1123.9646	1142.6704	1160.6440	1178.3774	1196.6326	1218.3455	1247.8770
3990.0	1117.5608	1121.6492	1127.5801	1146.4250	1164.5315	1182.4111	1200.8518	1222.8879	1252.8604
4000.0	1121.1079	1125.2297	1131.2045	1150.1924	1168.4355	1186.4631	1205.0947	1227.4617	1257.8779

ENTHALPY

PRESSURE = 20.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES K	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	723.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2750.0	723.2593	726.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
2760.0	726.1938	729.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1292	732.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	735.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	738.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	740.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	743.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	743.8218	746.8665	748.9194	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	749.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	752.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	755.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	758.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	761.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4861	764.5994	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
2890.0	764.4336	767.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
2900.0	767.3823	770.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
2910.0	770.3320	773.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2920.0	773.2820	776.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
2930.0	776.2339	779.4045	781.6459	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
2940.0	779.1865	782.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0452
2950.0	782.1399	785.3335	787.6089	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354
2960.0	785.0942	788.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
2970.0	788.0500	791.2666	793.5767	804.4675	815.1467	825.6208	835.8960	845.9766	852.9209
2980.0	791.0066	794.2349	796.5621	807.5098	818.2446	828.7732	839.1021	849.2351	856.2153
2990.0	793.9639	797.2039	799.5481	810.5525	821.3435	831.9265	842.3088	852.4946	859.5112
3000.0	796.9224	800.1738	802.5350	813.5969	824.4436	835.0813	845.5173	855.7559	862.8086
3010.0	799.8818	803.1448	805.5227	816.6421	827.5444	838.2371	848.7268	859.0178	866.1069
3020.0	802.8425	806.1169	808.5114	819.6887	830.6467	841.3945	851.9377	862.2817	869.4070
3030.0	805.8538	809.1396	811.5542	822.7856	833.7974	844.5962	855.1895	865.5806	872.7454
3040.0	808.9075	812.2051	814.6370	825.9243	836.9875	847.8352	858.4751	868.9097	876.1160
3050.0	811.9636	815.2744	817.7234	829.0654	840.1814	851.0791	861.7651	872.2422	879.4929
3060.0	815.0220	818.3450	820.8115	832.2090	843.3777	854.3247	865.0576	875.5779	882.8721
3070.0	818.0837	821.4185	823.9028	835.3564	846.5767	857.5728	868.3521	878.9158	886.2559
3080.0	821.1479	824.4946	826.9968	838.5059	849.7788	860.8254	871.6492	882.2566	889.6445
3090.0	824.2151	827.5745	830.0942	841.6587	852.9839	864.0789	874.9507	885.6013	893.0381
3100.0	827.2849	830.6558	833.1934	844.8142	856.1919	867.3364	878.2549	888.9490	896.4355
3110.0	830.3582	833.7410	836.2959	847.9734	859.4028	870.5972	881.5615	892.2996	899.8394
3120.0	833.4329	836.8286	839.4019	851.1350	862.6165	873.8608	884.8723	895.6548	903.2480
3130.0	836.5110	839.9197	842.5103	854.2993	865.8345	877.1272	888.1853	899.0117	906.6619
3140.0	839.5918	843.0127	845.6216	857.4675	869.0552	880.3977	891.5020	902.3733	910.0811
3150.0	842.6748	846.1086	848.7356	860.6379	872.2781	883.6709	894.8223	905.7375	913.5051
3160.0	845.7620	849.2073	851.8523	863.8120	875.5046	886.9473	898.1458	909.1064	916.9363
3170.0	848.8503	852.3093	854.9731	866.9893	878.7356	890.2275	901.4717	912.4788	920.3726
3180.0	851.9434	855.4150	858.0964	870.1694	881.9690	893.5110	904.8027	915.8550	923.8167
3190.0	855.0393	858.5232	861.2234	873.3530	885.2061	896.7976	908.1362	919.2341	927.2656
3200.0	858.1370	861.6343	864.3528	876.5400	888.4465	900.0841	911.4736	922.6189	930.7209
3210.0	861.2383	864.7483	867.4854	879.7305	891.6899	903.3819	914.8157	926.0068	934.1841
3220.0	864.3430	867.8655	870.6211	882.9241	894.9377	906.6802	918.1606	929.3989	937.6545
3230.0	867.4507	870.9871	873.7603	886.1218	898.1887	909.9817	921.5100	932.7961	941.1326
3240.0	870.5613	874.1099	876.9036	889.3225	901.4426	913.2866	924.8628	936.1965	944.6162
3250.0	873.6753	877.2366	880.0493	892.5264	904.7012	916.5959	928.2200	939.6025	948.1091
3260.0	876.7922	880.3672	883.1985	895.7339	907.9626	919.9082	931.5818	943.0127	951.6099
3270.0	879.9124	883.5017	886.3508	898.9458	911.2290	923.2253	934.9465	946.4277	955.1184

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PRESSURE = 20.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	883.0364	[illegible].6377	889.5073	902.1606	914.4985	926.5464	938.3164	949.8472	958.4357
3290.0	886.1631	888.7781	892.6665	905.3799	917.7717	929.8706	941.6897	953.2717	962.1616
3300.0	889.2922	891.9214	895.8291	908.6023	921.0496	933.2000	945.0679	956.7021	965.6963
3310.0	892.4265	895.0688	898.9961	911.8296	924.3315	936.5337	948.4519	960.1382	969.2405
3320.0	895.5632	898.2188	902.1660	915.0598	927.6172	939.8711	951.8376	963.5789	972.7939
3330.0	898.7036	901.3735	905.3401	918.2939	930.9075	943.2136	955.2310	967.0254	976.3574
3340.0	901.8469	904.5305	908.5171	921.5320	934.2014	946.5593	958.6284	970.4773	979.9304
3350.0	904.9939	907.6921	911.6987	924.7742	937.5000	949.9114	962.0303	973.9360	983.5139
3360.0	908.1450	910.8576	914.8848	928.0210	940.8032	953.2691	965.4390	977.4004	987.1079
3370.0	911.2983	914.0264	918.0732	931.2717	944.1101	956.6279	968.8506	980.8704	990.7117
3380.0	914.4583	917.1982	921.2656	934.5266	947.4224	959.9939	972.2686	984.3474	994.3276
3390.0	917.6199	920.3752	924.4626	937.7861	950.7385	963.3643	975.6907	987.8306	997.9546
3400.0	920.7852	923.5552	927.6631	941.0498	954.0605	966.7402	979.1199	991.3203	1001.5938
3410.0	923.9543	926.7388	930.8679	944.3176	957.3857	970.1201	982.5540	994.8171	1005.2427
3420.0	927.1277	929.9270	934.0771	947.5906	960.7173	973.5068	985.9937	998.3215	1008.9055
3430.0	930.3042	933.1194	937.2898	950.8677	964.0530	976.8982	989.4404	1001.8330	1012.5811
3440.0	933.4851	936.3157	940.5071	954.1494	967.3943	980.2942	992.8918	1005.3518	1016.2686
3450.0	936.6702	939.5149	943.7288	957.4368	970.7397	983.6973	996.3506	1008.8784	1019.9692
3460.0	939.8586	942.7195	946.9546	960.7278	974.0911	987.1045	999.8149	1012.4126	1023.6836
3470.0	943.0520	945.9282	950.1851	964.0239	977.4478	990.5188	1003.2864	1015.9548	1027.4099
3480.0	946.2488	949.1404	953.4197	967.3252	980.8093	993.9387	1006.7646	1019.5061	1031.1506
3490.0	949.4495	952.3577	956.6589	970.6313	984.1772	997.3645	1010.2490	1023.0654	1034.9067
3500.0	952.6553	955.5791	959.9033	973.9429	987.5508	1000.7959	1013.7400	1026.6340	1038.6770
3510.0	955.8650	958.8049	963.1516	977.2598	990.9290	1004.2339	1017.2383	1030.2114	1042.4614
3520.0	959.0791	962.0354	966.4050	980.5813	994.3132	1007.6785	1020.7441	1033.7971	1046.2603
3530.0	962.2979	965.2700	969.6633	983.9092	997.7041	1011.1304	1024.2567	1037.3940	1050.0754
3540.0	965.5210	968.5090	972.9253	987.2412	1001.1008	1014.5874	1027.7788	1040.9990	1053.9063
3550.0	968.7471	971.7539	976.1924	990.5793	1004.5027	1018.0522	1031.3071	1044.6162	1057.7515
3560.0	971.9795	975.0034	979.4661	993.9238	1007.9124	1021.5234	1034.8438	1048.2422	1061.6138
3570.0	975.2168	978.2556	982.7434	997.2737	1011.3281	1025.0017	1038.3882	1051.8796	1065.4924
3580.0	978.4580	981.5151	986.0269	1000.6292	1014.7490	1028.4878	1041.9409	1055.5269	1069.3875
3590.0	981.7036	984.7791	989.3142	1003.9900	1018.1777	1031.9810	1045.5034	1059.1860	1073.3003
3600.0	984.9541	988.0471	992.6082	1007.3579	1021.6123	1035.4812	1049.0735	1062.8560	1077.2297
3610.0	988.2112	991.3215	995.9065	1010.7312	1025.0547	1038.9895	1052.6528	1066.5391	1081.1777
3620.0	991.4707	994.6003	999.2102	1014.1104	1028.5034	1042.5061	1056.2417	1070.2341	1085.1426
3630.0	994.7371	997.8840	1002.5205	1017.4971	1031.9595	1046.0305	1059.8394	1073.9407	1089.1260
3640.0	998.0073	1001.1733	1005.8357	1020.8894	1035.4224	1049.5625	1063.4470	1077.6594	1093.1279
3650.0	1001.2844	1004.4688	1009.1570	1024.2883	1038.8936	1053.1040	1067.0647	1081.3923	1097.1492
3660.0	1004.5654	1007.7690	1012.4834	1027.6943	1042.3716	1056.6541	1070.6916	1085.1384	1101.1887
3670.0	1007.8518	1011.0740	1015.8164	1031.1069	1045.8574	1060.2119	1074.3298	1088.8984	1105.2490
3680.0	1011.1433	1014.3862	1019.1543	1034.5259	1049.3511	1063.7786	1077.9775	1092.6719	1109.3281
3690.0	1014.4417	1017.7039	1022.4998	1037.9524	1052.8535	1067.3550	1081.6372	1096.4607	1113.4253
3700.0	1017.7444	1021.0271	1025.8506	1041.3865	1056.3625	1070.9395	1085.3066	1100.2637	1117.5464
3710.0	1021.0525	1024.3552	1029.2068	1044.8267	1059.8809	1074.5352	1088.9880	1104.0818	1121.6858
3720.0	1024.3677	1027.6914	1032.5713	1048.2759	1063.4072	1078.1399	1092.6807	1107.9163	1125.8466
3730.0	1027.6870	1031.0308	1035.9402	1051.7310	1066.9419	1081.7546	1096.3855	1111.7656	1130.0293
3740.0	1031.0134	1034.3777	1039.3174	1055.1948	1070.4861	1085.3792	1100.1028	1115.6318	1134.2324
3750.0	1034.3459	1037.7319	1042.7009	1058.6658	1074.0391	1089.0151	1103.8320	1119.5146	1138.4583
3760.0	1037.6836	1041.0918	1046.0901	1062.1450	1077.6013	1092.6599	1107.5747	1123.4148	1142.7051
3770.0	1041.0281	1044.4585	1049.4873	1065.6331	1081.1726	1096.3164	1111.3289	1127.3323	1146.9753
3780.0	1044.3784	1047.8318	1052.8901	1069.1277	1084.7532	1099.9839	1115.0979	1131.2673	1151.2683
3790.0	1047.7351	1051.2102	1056.3013	1072.6321	1088.3438	1103.6624	1118.8789	1135.2224	1155.5852
3800.0	1051.0991	1054.5972	1059.7195	1076.1445	1091.9443	1107.3530	1122.6755	1139.1951	1159.9250
3810.0	1054.4688	1057.9905	1063.1448	1079.6653	1095.5547	1111.0554	1126.4854	1143.1877	1164.2881

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PRESSURE = 20.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1057.8445	1061.3899	1066.5774	1083.1951	1099.1748	1114.7688	1130.3101	1147.1992	1168.6746
3830.0	1061.2285	1064.7971	1070.0176	1086.7346	1102.8066	1118.4951	1134.1492	1151.2314	1173.0869
3840.0	1064.6182	1068.2112	1073.4651	1090.2817	1106.4468	1122.2332	1138.0029	1155.2830	1177.5222
3850.0	1068.0149	1071.6335	1076.9204	1093.8391	1110.1008	1125.9846	1141.8743	1159.3564	1181.9849
3860.0	1071.4194	1075.0625	1080.3840	1097.4060	1113.7637	1129.7483	1145.7600	1163.4512	1186.4719
3870.0	1074.8301	1078.4988	1083.8569	1100.9832	1117.4387	1133.5264	1149.6621	1167.5679	1190.9829
3880.0	1078.2493	1081.9424	1087.3357	1104.5686	1121.1248	1137.3171	1153.5803	1171.7075	1195.5212
3890.0	1081.6741	1085.3950	1090.8245	1108.1653	1124.8228	1141.1228	1157.5173	1175.8691	1200.0869
3900.0	1085.1074	1088.8550	1094.3210	1111.7710	1128.5327	1144.9407	1161.4702	1180.0544	1204.6765
3910.0	1088.5488	1092.3220	1097.8257	1115.3875	1132.2546	1148.7747	1165.4406	1184.2642	1209.2944
3920.0	1091.9966	1095.7986	1101.3401	1119.0144	1135.9897	1152.6228	1169.4294	1188.4971	1213.9399
3930.0	1095.4526	1099.2822	1104.8623	1122.6523	1139.7366	1156.4858	1173.4360	1192.7549	1218.6138
3940.0	1098.9165	1102.7751	1108.3938	1126.3010	1143.4966	1160.3650	1177.4622	1197.0383	1223.3132
3950.0	1102.3899	1106.2766	1111.9346	1129.9609	1147.2700	1164.2585	1181.5076	1201.3462	1228.0420
3960.0	1105.8701	1109.7866	1115.4849	1133.6323	1151.0569	1168.1689	1185.5735	1205.6829	1232.8000
3970.0	1109.3594	1113.3052	1119.0447	1137.3147	1154.8572	1172.0957	1189.6577	1210.0449	1237.5867
3980.0	1112.8562	1116.8323	1122.6135	1141.0088	1158.6709	1176.0383	1193.7642	1214.4331	1242.4026
3990.0	1116.3621	1120.3691	1126.1926	1144.7146	1162.4988	1179.9982	1197.8908	1218.8501	1247.2483
4000.0	1119.8767	1123.9150	1129.7827	1148.4331	1166.3418	1183.9756	1202.0386	1223.2962	1252.1233

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PRESSURE = 30.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
2760.0	726.1938	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	743.8218	745.8665	748.9189	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7343	810.2131
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
2890.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
2900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
2910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2920.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
2930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
2940.0	779.1865	781.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0452
2950.0	782.1399	784.3335	787.6089	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354
2960.0	785.0942	787.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
2970.0	788.0500	790.2666	793.5767	804.4675	815.1467	825.6208	835.8960	845.9766	852.9209
2980.0	791.0066	793.2349	796.5623	807.5098	818.2446	828.7732	839.1021	849.2351	856.2153
2990.0	793.9639	796.2039	799.5481	810.5525	821.3435	831.9265	842.3088	852.4946	859.5112
3000.0	796.9224	799.1738	802.5356	813.5969	824.4436	835.0813	845.5173	855.7559	862.8086
3010.0	799.8818	802.1448	805.5237	816.6421	827.5444	838.2371	848.7268	859.0178	866.1069
3020.0	802.8425	805.1169	808.5134	819.6887	830.6467	841.3945	851.9377	862.2817	869.4070
3030.0	805.8037	808.0901	811.5039	822.7358	833.7502	844.5525	855.1497	865.5466	872.7083
3040.0	808.7666	811.0642	814.4954	825.7849	836.8550	847.7122	858.3633	868.8130	876.0110
3050.0	811.7297	814.0391	817.4875	828.8342	839.9604	850.8728	861.5779	872.0803	879.3149
3060.0	814.7266	817.0483	820.5144	831.9172	843.0981	854.0632	864.8148	875.3706	882.6428
3070.0	817.7859	820.1204	823.6035	835.0610	846.2933	857.3081	868.1094	878.7031	886.0168
3080.0	820.8486	823.1941	826.6951	838.2078	849.4927	860.5557	871.4033	882.0400	889.3940
3090.0	823.9141	826.2717	829.7898	841.3577	852.6943	863.8064	874.6997	885.3792	892.7761
3100.0	826.9817	829.3516	832.8872	844.5107	855.8992	867.0596	877.9988	888.7212	896.1626
3110.0	830.0518	832.4338	835.9871	847.6665	859.1064	870.3157	881.3015	892.0657	899.5532
3120.0	833.1255	835.5195	839.0898	850.8245	862.3164	873.5759	884.6067	895.4143	902.9482
3130.0	836.2007	838.6074	842.1956	853.9858	865.5300	876.8376	887.9148	898.7656	906.3477
3140.0	839.2795	841.6982	845.3044	857.1497	868.7463	880.1030	891.2263	902.1201	909.7524
3150.0	842.3618	844.7915	848.4158	860.3169	871.9658	883.3713	894.5408	905.4768	913.1614
3160.0	845.4453	847.8882	851.5300	863.4871	875.1877	886.6436	897.8574	908.8381	916.5762
3170.0	848.5325	850.9873	854.6470	866.6604	878.4131	889.9182	901.1782	912.2026	919.9961
3180.0	851.6221	854.0894	857.7673	869.8364	881.6421	893.1958	904.5027	915.5708	923.4219
3190.0	854.7141	857.1951	860.8904	873.0159	884.8740	896.4768	907.8296	918.9421	926.8518
3200.0	857.8098	860.3030	864.0168	876.1987	888.1096	899.7612	911.1611	922.3176	930.2891
3210.0	860.9087	863.4143	867.1460	879.3838	891.3474	903.0491	914.4951	925.6953	933.7317
3220.0	864.0095	866.5281	870.2778	882.5737	894.5894	906.3396	917.8325	929.0779	937.1804
3230.0	867.1145	869.6450	873.4131	885.7656	897.8345	909.6345	921.1741	932.4648	940.6362
3240.0	870.2214	872.7649	876.5518	888.9612	901.0830	912.9329	924.5186	935.8547	944.0969
3250.0	873.3318	875.8877	879.6931	892.1599	904.3347	916.2344	927.8672	939.2490	947.5664
3260.0	876.4453	879.0144	882.8384	895.3623	907.5906	919.5405	931.2192	942.6482	951.0415
3270.0	879.5623	882.1433	885.9856	898.5679	910.8494	922.8494	934.5752	946.0511	954.5239

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TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	882.6816	885.2766	889.1375	901.7776	914.1121	926.1619	937.9358	949.4575	958.0134
3290.0	885.8037	888.4124	892.2922	904.9897	917.3179	929.4783	941.2986	952.8694	961.5103
3300.0	888.9302	891.5515	895.4502	908.2061	920.6482	932.7986	944.6672	956.2852	965.0151
3310.0	892.0593	894.6946	898.6116	911.4265	923.9719	936.1235	948.0398	959.7070	968.5293
3320.0	895.1919	897.8396	901.7764	914.6497	927.1997	939.4514	951.4160	963.1321	972.0513
3330.0	898.3274	900.9895	904.9443	917.8770	930.4807	942.7839	954.7969	966.5630	975.5808
3340.0	901.4661	904.1416	908.1160	921.1079	933.7661	946.1199	958.1812	969.9980	979.1196
3350.0	904.6086	907.2971	911.2913	924.3423	937.0557	949.4607	961.5708	973.4397	982.6663
3360.0	907.7547	910.4558	914.4707	927.5818	940.3496	952.8062	964.9656	976.8865	986.2269
3370.0	910.9031	913.6199	917.6526	930.8235	943.6475	956.1550	968.3638	980.3379	989.7900
3380.0	914.0559	916.7869	920.8386	934.0698	946.9490	959.5085	971.7673	983.7949	993.3657
3390.0	917.2114	919.9561	924.0286	937.3206	950.2546	962.8665	975.1753	987.2578	996.9517
3400.0	920.3711	923.1292	927.2224	940.5747	953.5652	966.2295	978.5889	990.7263	1000.5474
3410.0	923.5342	926.3066	930.4189	943.8335	956.8792	969.5967	982.0068	994.2017	1004.1531
3420.0	926.7012	929.4880	933.6208	947.0972	960.1980	972.9688	985.4302	997.6826	1007.7708
3430.0	929.8711	932.6719	936.8257	950.3633	963.5229	976.3464	988.8591	1001.1702	1011.3979
3440.0	933.0449	935.8606	940.0342	953.6345	966.8511	979.7278	992.2935	1004.6646	1015.0366
3450.0	936.2224	939.0530	943.2473	956.9104	970.1838	983.1147	995.7327	1008.1643	1018.6870
3460.0	939.4039	942.2490	946.4646	960.1902	973.5212	986.5058	999.1777	1011.6716	1022.3489
3470.0	942.5894	945.4495	949.6858	963.4749	976.8640	989.9043	1002.6287	1015.1863	1026.0227
3480.0	945.7783	948.6533	952.9104	966.7639	980.2112	993.3062	1006.0850	1018.7078	1029.7083
3490.0	948.9717	951.8616	956.1401	970.0581	983.5642	996.7139	1009.5476	1022.2373	1033.4067
3500.0	952.1694	955.0730	959.3740	973.3562	986.9219	1000.1277	1013.0168	1025.7737	1037.1184
3510.0	955.3691	958.2893	962.6108	976.6602	990.2847	1003.5466	1016.4922	1029.3184	1040.8430
3520.0	958.5742	961.5105	965.8535	979.9678	993.6521	1006.9717	1019.9736	1032.8704	1044.5803
3530.0	961.7842	964.7354	969.1006	983.2815	997.0259	1010.4023	1023.4619	1036.4314	1048.3318
3540.0	964.9961	967.9644	972.3516	986.5979	1000.4043	1013.8381	1026.9561	1040.0010	1052.0962
3550.0	968.2136	971.1970	975.6072	989.9211	1003.7883	1017.2805	1030.4580	1043.5786	1055.8755
3560.0	971.4355	974.4351	978.8674	993.2493	1007.1787	1020.7300	1033.9666	1047.1653	1059.6677
3570.0	974.6614	977.6765	982.1323	996.5828	1010.5737	1024.1846	1037.4817	1050.7607	1063.4761
3580.0	977.8921	980.9243	985.4019	999.9216	1013.9758	1027.6460	1041.0046	1054.3662	1067.2981
3590.0	981.1260	984.1755	988.6768	1003.2651	1017.3821	1031.1138	1044.5349	1057.9802	1071.1357
3600.0	984.3643	987.4299	991.9551	1006.6138	1020.7941	1034.5884	1048.0730	1061.6047	1074.9888
3610.0	987.6091	990.6912	995.2395	1009.9692	1024.2151	1038.0698	1051.6187	1065.2402	1078.8584
3620.0	990.8564	993.9563	998.5281	1013.3301	1027.6406	1041.5581	1055.1726	1068.8940	1082.7427
3630.0	994.1094	997.2268	1001.8228	1016.6963	1031.0730	1045.0535	1058.7349	1072.5400	1086.6428
3640.0	997.3662	1000.5010	1005.1218	1020.0681	1034.5107	1048.5559	1062.3042	1076.2070	1090.5601
3650.0	1000.6287	1003.7808	1008.4263	1023.4460	1037.9568	1052.0662	1065.8835	1079.8843	1094.4944
3660.0	1003.8961	1007.0653	1011.7363	1026.8303	1041.4084	1055.5830	1069.4709	1083.5735	1098.4458
3670.0	1007.1675	1010.3555	1015.0513	1030.2205	1044.8665	1059.1082	1073.0674	1087.2744	1102.4138
3680.0	1010.4436	1013.6499	1018.3706	1033.6155	1048.3313	1062.6409	1076.6724	1090.9875	1106.4001
3690.0	1013.7246	1016.9500	1021.6965	1037.0183	1051.8037	1066.1821	1080.2871	1094.7119	1110.4028
3700.0	1017.0120	1020.2556	1025.0281	1040.4277	1055.2844	1069.7310	1083.9124	1098.4509	1114.4253
3710.0	1020.3044	1023.5662	1028.3652	1043.8423	1058.7700	1073.2876	1087.5454	1102.2002	1118.4651
3720.0	1023.6008	1026.8828	1031.7085	1047.2646	1062.2649	1076.8540	1091.1897	1105.9653	1122.5244
3730.0	1026.9031	1030.2036	1035.0557	1050.6926	1065.7671	1080.4277	1094.8442	1109.7424	1126.6021
3740.0	1030.2112	1033.5320	1038.4099	1054.1284	1069.2771	1084.0115	1098.5088	1113.5342	1130.6985
3750.0	1033.5242	1036.8647	1041.7715	1057.5713	1072.7942	1087.6038	1102.1841	1117.3398	1134.8157
3760.0	1036.8425	1040.2024	1045.1379	1061.0203	1076.3198	1091.2046	1105.8696	1121.1599	1138.9507
3770.0	1040.1663	1043.5469	1048.5105	1064.4766	1079.8535	1094.8152	1109.5674	1124.9958	1143.1077
3780.0	1043.4956	1046.8967	1051.8887	1067.9407	1083.3955	1098.4355	1113.2769	1128.8464	1147.2836
3790.0	1046.8315	1050.2542	1055.2739	1071.4111	1086.9458	1102.0654	1116.9956	1132.7122	1151.4817
3800.0	1050.1719	1053.6181	1058.6640	1074.8904	1090.5056	1105.7053	1120.7288	1136.5952	1155.7002
3810.0	1053.5195	1056.9846	1062.0642	1078.3772	1094.0730	1109.3555	1124.4734	1140.4946	1159.9395

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PRESSURE = 30.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1056.8718	1060.3594	1065.4488	1081.8706	1097.6497	1113.0159	1128.2300	1144.4102	1164.2000
3830.0	1060.2302	1063.7393	1068.8799	1085.3726	1101.2358	1116.6868	1131.9988	1148.3428	1168.4824
3840.0	1063.5964	1067.1277	1072.2879	1088.8826	1104.8311	1120.3679	1135.7813	1152.2927	1172.7861
3850.0	1066.9673	1070.5215	1075.7231	1092.4014	1108.4360	1124.0815	1139.5771	1156.2620	1177.1135
3860.0	1070.3447	1073.9226	1079.1555	1095.9277	1112.0498	1127.7644	1143.3870	1160.2478	1181.4629
3870.0	1073.7292	1077.3289	1082.5947	1099.4622	1115.6738	1131.4797	1147.2102	1164.2534	1185.9347
3880.0	1077.1187	1080.7424	1086.0408	1103.0056	1119.3076	1135.2070	1151.0474	1168.2778	1190.2300
3890.0	1080.5166	1084.1641	1089.4951	1106.5586	1122.9519	1138.9456	1154.8997	1172.3218	1194.6497
3900.0	1083.9192	1087.5916	1092.9561	1110.1189	1126.6055	1142.6985	1158.7649	1176.3857	1199.0918
3910.0	1087.3291	1091.0261	1096.4255	1113.6890	1130.2708	1146.4592	1162.6465	1180.4697	1203.5586
3920.0	1090.7461	1094.4685	1099.9019	1117.2688	1133.9470	1150.2356	1166.5435	1184.5750	1208.0498
3930.0	1094.1704	1097.9175	1103.3867	1120.8569	1137.6335	1154.0247	1170.4563	1188.7014	1212.5654
3940.0	1097.6011	1101.3738	1106.8782	1124.4548	1141.3308	1157.8262	1174.3850	1192.8494	1217.1060
3950.0	1101.0396	1104.8384	1110.3779	1128.0627	1145.0396	1161.6414	1178.3303	1197.0195	1221.6709
3960.0	1104.4841	1108.3101	1113.8870	1131.6812	1148.7610	1165.4705	1182.2922	1201.2122	1226.2625
3970.0	1107.9380	1111.7908	1117.4038	1135.3081	1152.4934	1169.3130	1186.2710	1205.4270	1230.8801
3980.0	1111.3977	1115.2771	1120.9294	1138.9458	1156.2371	1173.1697	1190.2673	1209.6663	1235.5237
3990.0	1114.8655	1118.7725	1124.4629	1142.5945	1159.9934	1177.0417	1194.2820	1213.9290	1240.1926
4000.0	1118.3413	1122.2769	1128.0054	1146.2529	1163.7627	1180.9280	1198.3147	1218.2158	1244.8896

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TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3754	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
2760.0	726.1938	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0657	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	743.8218	745.8665	748.9199	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	760.6416	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
2890.0	764.4338	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
2900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
2910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2920.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
2930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
2940.0	779.1865	781.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0452
2950.0	782.1399	784.3335	787.6089	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354
2960.0	785.0942	787.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
2970.0	788.0500	790.2666	793.5767	804.4675	815.1467	825.6208	835.8960	845.9766	852.9209
2980.0	791.0066	793.2349	796.5623	807.5098	818.2446	828.7732	839.1021	849.2351	856.2153
2990.0	793.9639	796.2039	799.5481	810.5525	821.3435	831.9265	842.3088	852.4946	859.5112
3000.0	796.9224	799.1738	802.5356	813.5969	824.4436	835.0813	845.5173	855.7559	862.8086
3010.0	799.8818	802.1448	805.5237	816.6421	827.5444	838.2371	848.7268	859.0178	866.1069
3020.0	802.8425	805.1169	808.5134	819.6887	830.6467	841.3945	851.9377	862.2817	869.4070
3030.	805.8037	808.0901	811.5039	822.7358	833.7502	844.5525	855.1497	865.5466	872.7083
3	808.7666	811.0642	814.4954	825.7849	836.8550	847.7122	858.3633	868.8130	876.0110
[illegible]	811.7297	814.0391	817.4875	828.8342	839.9604	850.8728	861.5779	872.0803	879.3149
30 0.0	814.6941	817.0154	820.4812	831.8850	843.0671	854.0347	864.7935	875.3491	882.6201
3070.0	817.6599	819.9927	823.4758	834.9370	846.1753	857.1978	868.0107	878.6194	885.9270
3080.0	820.6328	822.9783	826.4783	837.9968	849.2915	860.3682	871.2349	881.8954	889.2400
3090.0	823.6978	825.0544	829.5720	841.1448	852.4910	863.6162	874.5288	885.2314	892.6150
3100.0	826.7639	829.1328	832.6680	844.2957	855.6931	866.8672	877.8257	888.5693	895.9934
3110.0	829.8333	832.2136	835.7661	847.4490	858.8984	870.1206	881.1243	891.9102	899.3765
3120.0	832.9068	835.2976	838.8677	850.6055	862.1062	873.3779	884.4265	895.2554	902.7632
3130.0	835.9788	838.3845	841.9714	853.7644	865.3171	876.6375	887.7319	898.6025	906.1543
3140.0	839.0566	841.4739	845.0779	856.9265	868.5308	879.9004	891.0400	901.9529	909.5508
3150.0	842.1365	844.5652	848.1870	860.0911	871.7476	883.1646	894.3503	905.3054	912.9500
3160.0	845.2192	847.6606	851.2998	863.2595	874.9670	886.4336	897.6646	908.6624	916.3550
3170.0	848.3044	850.7578	854.4153	866.4302	878.1899	889.7048	900.9814	912.0212	919.7639
3180.0	851.3928	853.8580	857.5330	869.6038	881.4155	892.9792	904.3020	915.3848	923.1794
3190.0	854.4839	856.9619	860.6541	872.7800	884.6438	896.2568	907.6245	918.7505	926.5986
3200.0	857.5774	860.0679	863.7786	875.9604	887.8760	899.5376	910.9512	922.1208	930.0232
3210.0	860.6743	863.1770	866.9050	879.1431	891.1106	902.8213	914.2805	925.4934	933.4539
3220.0	863.7737	866.2891	870.0354	882.3291	894.3494	906.1084	917.6133	928.8699	936.8901
3230.0	866.8765	869.4041	873.1682	885.5186	897.5908	909.3992	920.9507	932.2498	940.3315
3240.0	869.9813	872.5215	876.3040	888.7107	900.8354	912.6929	924.2900	935.6338	943.7795
3250.0	873.0898	875.6418	879.4421	891.9058	904.0835	915.9900	927.6328	939.0215	947.2327
3260.0	876.2007	878.7661	882.5847	895.1047	907.3347	919.2908	930.9800	942.4131	950.6926
3270.0	879.3145	881.8931	885.7307	898.3071	910.5896	922.5945	934.3303	945.8083	954.1594

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TEMPERATURE / FUEL/AIR RATIO									
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	882.4324	885.0237	888.878[illegible]	901.5127	913.8479	925.9016	937.6838	949.2075	957.6318
3290.0	885.5518	888.1560	892.0298	904.7214	917.[illegible]094	929.2134	941.0415	952.6108	961.1123
3300.0	888.6753	891.2922	895.1848	907.9338	920.3743	932.5283	944.4038	956.0148	964.5984
3310.0	891.8020	894.4319	898.3430	911.1497	923.6440	935.8472	947.7688	959.4309	968.0938
3320.0	894.9316	897.5750	901.5044	914.3682	926.9158	939.1697	951.1387	962.8469	971.5950
3330.0	898.0640	900.7205	904.6697	917.5913	930.1924	942.4958	954.5122	966.2681	975.1050
3340.0	901.2002	903.8706	907.8376	920.8171	933.4724	945.8259	957.8889	969.6938	978.6223
3350.0	904.3394	907.0227	911.0085	924.0476	936.7563	949.1599	961.2703	973.1248	982.1472
3360.0	907.4822	910.1787	914.1838	927.2817	940.0439	952.4984	964.6575	976.5608	985.6812
3370.0	910.6277	913.3369	917.3623	930.5186	943.3352	955.8401	968.0474	980.0000	989.2231
3380.0	913.7766	916.4998	920.5431	933.7598	946.6304	959.1865	971.4419	983.4453	992.7749
3390.0	916.9297	919.6660	923.7295	937.0046	949.9302	962.5369	974.8408	986.8960	996.3342
3400.0	920.0854	922.8357	926.9185	940.2537	953.2334	965.8921	978.2446	990.3528	999.9036
3410.0	923.2449	926.0085	930.1113	943.5059	956.5415	969.2510	981.6531	993.8132	1003.4817
3420.0	926.4070	929.1851	933.3074	946.7629	959.8533	972.6145	985.0662	997.2805	1007.0704
3430.0	929.5730	932.3660	936.5073	950.0239	963.1699	975.9827	988.4844	1000.7542	1010.6689
3440.0	932.7424	935.5496	939.7114	953.2883	966.4905	979.3555	991.9075	1004.2327	1014.2778
3450.0	935.9170	938.7368	942.9189	956.5574	969.8154	982.7327	995.3354	1007.7173	1017.9970
3460.0	939.0933	941.9275	946.1306	959.8306	973.1445	986.1155	998.7690	1011.2083	1021.5259
3470.0	942.2737	945.1233	949.3459	963.1074	976.4780	989.5020	1002.2073	1014.7048	1025.1663
3480.0	945.4578	948.3213	952.[illegible]647	966.3892	979.8159	992.8933	1005.6509	1018.2100	1028.8179
3490.0	948.6455	951.5242	955.7891	969.6753	983.1602	996.2908	1009.1011	1021.7200	1032.4802
3500.0	951.8376	954.7310	959.0166	972.9661	986.5083	999.6934	1012.5562	1025.2375	1036.1553
3510.0	955.0332	957.9409	962.2473	976.2607	989.8606	1003.1006	1016.0166	1028.7625	1039.8418
3520.0	958.2317	961.1555	965.4827	979.5601	993.2180	1006.5127	1019.4832	1032.2942	1043.5396
3530.0	961.4358	964.3748	968.7224	982.8647	996.5813	1009.9312	1022.9563	1035.8335	1047.2507
3540.0	964.6428	967.5964	971.9673	986.1733	999.9499	1013.3560	1026.4348	1039.3799	1050.9746
3550.0	967.8538	970.8228	975.2144	989.4866	1003.3218	1016.7832	1029.9197	1042.9348	1054.7114
3560.0	971.0691	974.0542	978.4675	992.8054	1006.7000	1020.2183	1033.4111	1046.4978	1058.4604
3570.0	974.2881	977.2888	981.7244	996.1277	1010.0835	1023.6582	1036.9089	1050.0684	1062.2229
3580.0	977.5120	980.5283	984.9856	999.4565	1013.4724	1027.1055	1040.4133	1053.6465	1065.9998
3590.0	980.7390	983.7715	988.2512	1002.7896	1016.8662	1030.5571	1043.9243	1057.2356	1069.7898
3600.0	983.9709	987.0193	991.5221	1006.1293	1020.2666	1034.0156	1047.4434	1060.8318	1073.5942
3610.0	987.2075	990.2717	994.7976	1009.4719	1023.6719	1037.4810	1050.9685	1064.4377	1077.4138
3620.0	990.4473	993.5283	998.0764	1012.8198	1027.0825	1040.9517	1054.5002	1068.0527	1081.2471
3630.0	993.6921	996.7903	1001.3616	1016.1741	1030.5007	1044.4294	1058.0403	1071.6770	1085.0957
3640.0	996.9409	1000.0552	1004.6506	1019.5330	1033.9233	1047.9136	1061.5881	1075.3110	1088.9595
3650.0	1000.1953	1003.3264	1007.9446	1022.8984	1037.3530	1051.4048	1065.1436	1078.9556	1092.8381
3660.0	1003.4529	1006.6008	1011.2439	1026.2686	1040.7883	1054.9028	1068.7065	1082.6104	1096.7332
3670.0	1006.7158	1009.8816	1014.5481	1029.6450	1044.2300	1058.4077	1072.2781	1086.2751	1100.6445
3680.0	1009.9819	1013.1660	1017.8567	1033.0264	1047.6780	1061.9197	1075.8574	1089.9514	1104.5694
3690.0	1013.2546	1016.4558	1021.1711	1036.4146	1051.1321	1065.4390	1079.4451	1093.6375	1108.5132
3700.0	1016.5317	1019.7505	1024.4905	1039.8076	1054.5935	1068.9663	1083.0420	1097.3359	1112.4739
3710.0	1019.8127	1023.0500	1027.8152	1043.2075	1058.0615	1072.5000	1086.6462	1101.0452	1116.4495
3720.0	1023.0996	1026.3545	1031.1455	1046.6130	1061.5366	1076.0417	1090.2612	1104.7671	1120.4446
3730.0	1026.3906	1029.6633	1034.4805	1050.0254	1065.0173	1079.5911	1093.8865	1108.5005	1124.4556
3740.0	1029.6865	1032.9795	1037.8223	1053.4434	1068.5068	1083.1497	1097.5181	1112.2473	1128.4849
3750.0	1032.9880	1036.2991	1041.1689	1056.8679	1072.0027	1086.7153	1101.1599	1116.0066	1132.5320
3760.0	1036.2947	1039.6240	1044.5200	1060.2993	1075.5061	1090.2898	1104.8125	1119.7786	1136.5962
3770.0	1039.6067	1042.9565	1047.8782	1063.7363	1079.0171	1093.8728	1108.4744	1123.5635	1140.6804
3780.0	1042.9224	1046.2930	1051.2417	1067.1812	1082.5352	1097.4634	1112.1465	1127.3625	1144.7832
3790.0	1046.2454	1049.6348	1054.6116	1070.6321	1086.0613	1101.0637	1115.8298	1131.1760	1148.9050
3800.0	1049.5737	1052.9827	1057.9875	1074.0908	1089.5957	1104.6738	1119.5237	1135.0034	1153.0459
3810.0	1052.9065	1056.3342	1061.3687	1077.5554	1093.1377	1108.2920	1123.2283	1138.8459	1157.2063

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PRESSURE = 40.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1056.2441	1059.6948	1064.7561	1081.0276	1096.6877	1111.9197	1126.9434	1142.7026	1161.3860
3830.0	1059.5891	1063.0601	1068.1504	1084.5071	1100.2456	1115.5569	1130.6711	1146.5747	1165.5864
3840.0	1062.9380	1066.4307	1071.5496	1087.9939	1103.8123	1119.2039	1134.4094	1150.4624	1169.8071
3850.0	1066.2937	1069.8076	1074.9563	1091.4888	1107.3887	1122.8608	1138.1604	1154.3667	1174.0486
3860.0	1069.6558	1073.1919	1078.3691	1094.9910	1110.9722	1126.5283	1141.9224	1158.2876	1178.3103
3870.0	1073.0227	1076.5798	1081.7900	1098.5000	1114.5657	1130.2058	1145.6985	1162.2246	1182.5935
3880.0	1076.3958	1079.9753	1085.2153	1102.0168	1118.1665	1133.8933	1149.4861	1166.1785	1186.9977
3890.0	1079.7751	1083.3777	1088.6487	1105.5435	1121.7786	1137.5918	1153.2864	1170.1504	1191.2246
3900.0	1083.1611	1086.7861	1092.0879	1109.0767	1125.3992	1141.3015	1157.1003	1174.1404	1195.5725
3910.0	1086.5522	1090.2012	1095.5349	1112.6184	1129.0288	1145.0220	1160.9280	1178.1489	1199.9426
3920.0	1089.9500	1093.6216	1098.9885	1116.1687	1132.6694	1148.7539	1164.7688	1182.1746	1204.3354
3930.0	1093.3545	1097.0503	1102.4490	1119.7275	1136.3191	1152.4978	1168.6240	1186.2202	1208.7510
3940.0	1096.7651	1100.4858	1105.9182	1123.2942	1139.9795	1156.2527	1172.4941	1190.2849	1213.1895
3950.0	1100.1829	1103.9263	1109.3940	1126.8706	1143.6494	1160.0195	1176.3779	1194.3694	1217.6509
3960.0	1103.6067	1107.3755	1112.8767	1130.4568	1147.3293	1163.7996	1180.2773	1198.4744	1222.1362
3970.0	1107.0383	1110.8315	1116.3679	1134.0503	1151.0205	1167.5918	1184.1919	1202.6001	1226.6455
3980.0	1110.4751	1114.2947	1119.8660	1137.6531	1154.7217	1171.3965	1188.1216	1206.7461	1231.1790
3990.0	1113.9194	1117.7651	1123.3721	1141.2659	1158.4353	1175.2139	1192.0681	1210.9146	1235.7361
4000.0	1117.371	1121.2429	1126.8865	1144.8887	1162.1594	1179.0454	1196.0300	1215.1030	1240.3191

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TEMPERATURE / FUEL-AIR RATIO DEGREES R	.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
2760.0	726.1938	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7831	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	743.8218	745.8665	748.9199	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
2890.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
2900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
2910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2920.0	773.2820	775.4417	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
2930.0	776.2339	778.4049	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
2940.0	779.1865	781.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0452
2950.0	782.1399	784.3335	787.6089	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354
2960.0	785.0942	787.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
2970.0	788.0500	790.2668	793.5767	804.4675	815.1467	825.6208	835.8960	845.9766	852.9209
2980.0	791.0066	793.2349	796.5623	807.5098	818.2446	828.7732	839.1021	849.2351	856.2153
2990.0	793.9639	796.2039	799.5481	810.5525	821.3435	831.9265	842.3098	852.4946	859.5112
3000.0	796.9224	799.1738	802.5356	813.5969	824.4436	835.0813	845.5193	855.7559	862.8086
3010.0	799.8818	802.1448	805.5237	816.6421	827.5444	838.2371	848.7268	859.0178	866.1069
3020.0	802.8425	805.1169	808.5134	819.6887	830.6467	841.3945	851.9377	862.2817	869.4070
3030.0	805.8037	808.0901	811.5039	822.7358	833.7502	844.5525	855.1497	865.5466	872.7083
3040.0	808.7666	811.0642	814.4954	825.7849	836.8550	847.7122	858.3633	868.8130	876.0110
3050.0	811.7297	814.0391	817.4875	828.8342	839.9604	850.8728	861.5779	872.0803	879.3149
3060.0	814.6941	817.0154	820.4812	831.8850	843.0671	854.0347	864.7935	875.3491	882.6201
3070.0	817.6599	819.9927	823.4758	834.9370	846.1753	857.1978	868.0107	878.6194	885.9270
3080.0	820.6262	822.9707	826.4714	837.9897	849.2844	860.3621	871.2292	881.8909	889.2349
3090.0	823.5940	825.9500	829.4683	841.0439	852.3950	863.5276	874.4492	885.1638	892.5447
3100.0	826.5925	828.9603	832.4963	844.1287	855.5337	866.7197	877.6921	888.4563	895.8765
3110.0	829.6609	832.0415	835.5940	847.2805	858.7368	869.9717	880.9895	891.7954	899.2515
3120.0	832.7319	835.1238	838.6941	850.4353	861.9438	873.2261	884.2896	895.1375	902.6338
3130.0	835.8057	838.2100	841.7966	853.5928	865.1523	876.4839	887.5928	898.4819	906.0190
3140.0	838.8816	841.2976	844.9019	856.7537	868.3647	879.7444	890.8987	901.8289	909.4084
3150.0	841.9607	844.3882	848.0105	859.9183	871.5793	883.0076	894.2068	905.1787	912.8018
3160.0	845.0422	847.4824	851.1208	863.0828	874.7964	886.2734	897.5178	908.5322	916.2002
3170.0	848.1257	850.5784	854.2354	866.2515	878.0176	889.5425	900.8323	911.8882	919.6021
3180.0	851.2129	853.6772	857.3521	869.4238	881.2407	892.8149	904.1501	915.2480	923.0095
3190.0	854.3027	856.7791	860.4712	872.5986	884.4673	896.0894	907.4695	918.6104	926.4207
3200.0	857.3953	859.8843	863.5947	875.7766	887.6973	899.3679	910.7935	921.9758	929.8381
3210.0	860.4905	862.9919	866.7192	878.9575	890.9294	902.6489	914.1194	925.3452	933.2598
3220.0	863.5886	866.1025	869.8474	882.1411	894.1653	905.9333	917.4495	928.7170	936.6868
3230.0	866.6904	869.2158	872.9785	885.3281	897.4043	909.2209	920.7827	932.0933	940.1189
3240.0	869.7939	872.3323	876.1125	888.5186	900.6460	912.5115	924.1189	935.4722	943.5564
3250.0	872.9004	875.4509	879.2500	891.7114	903.8911	915.8054	927.4583	938.8550	947.0002
3260.0	876.0100	878.5730	882.3901	894.9077	907.1399	919.1028	930.8008	942.2417	950.4495
3270.0	879.1228	881.6978	885.5334	898.1074	910.3918	922.4033	934.1475	945.6323	953.9041

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TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3200.0	882.2385	884.8262	888.6794	901.3101	913.6472	925.7070	937.4973	949.0256	957.3662
3290.0	885.3569	887.9580	891.8286	904.5159	916.9055	929.0151	940.8508	952.4233	960.0333
3300.0	888.4781	891.0918	894.9817	907.7256	920.1670	932.3259	944.2073	955.8252	964.3076
3310.0	891.6028	894.2295	898.1370	910.9382	923.4326	935.6409	947.5686	959.2314	967.7888
3320.0	894.7307	897.3704	901.2961	914.1548	926.7014	938.9592	950.9331	962.6416	971.2771
3330.0	897.8616	900.5132	904.4587	917.3738	929.9746	942.2815	954.3020	966.0562	974.7720
3340.0	900.9954	903.6604	907.6245	920.5974	933.2500	945.6064	957.6733	969.4749	978.2739
3350.0	904.1318	906.8110	910.7935	923.8240	936.5300	948.9360	961.0496	972.8977	981.7847
3360.0	907.2732	909.9641	913.9664	927.0547	939.8145	952.2700	964.4309	976.3264	985.3025
3370.0	910.4160	913.1211	917.1414	930.2876	943.1008	955.6064	967.8149	979.7583	988.8274
3380.0	913.5625	916.2810	920.3201	933.5251	946.3916	958.9478	971.2031	983.1953	992.3616
3390.0	916.7126	919.4443	923.5022	936.7664	949.6868	962.2930	974.5959	986.6372	995.9033
3400.0	919.8655	922.6106	926.6890	940.0115	952.9854	965.6426	977.9927	990.0847	999.4543
3410.0	923.0222	925.7810	929.8772	943.2598	956.2878	968.9956	981.3940	993.5364	1003.0129
3420.0	926.1829	928.9548	933.0705	946.5120	959.5952	972.3535	984.8008	996.9939	1006.5818
3430.0	929.3450	932.1311	936.2678	949.7686	962.9063	975.7158	988.2117	1000.4568	1010.1594
3440.0	932.5120	935.3120	939.4675	953.0288	966.2212	979.0820	991.6265	1003.9255	1013.7468
3450.0	935.6829	938.4971	942.6714	956.2930	969.5400	982.4524	995.0466	1007.3949	1017.3430
3460.0	938.8560	941.6843	945.8792	959.5610	972.8640	985.8276	998.4719	1010.8707	1020.9490
3470.0	942.0339	944.8755	949.0906	962.8335	976.1919	989.2078	1001.9016	1014.3643	1024.5662
3480.0	945.2146	948.0706	952.3052	966.1099	979.5234	992.5923	1005.3364	1017.8564	1028.1929
3490.0	948.3989	951.2695	955.5244	969.3904	982.8611	995.9814	1008.7771	1021.3535	1031.8313
3500.0	951.5869	954.4714	958.7473	972.6748	986.2021	999.3757	1012.2222	1024.8586	1035.4805
3510.0	954.7786	957.6782	961.9746	975.9646	989.5479	1002.7749	1015.6738	1028.3699	1039.1396
3520.0	957.9734	960.8882	965.2048	979.2576	992.8984	1006.1790	1019.1301	1031.8867	1042.8101
3530.0	961.1733	964.1025	968.4399	982.5562	996.2542	1009.5881	1022.5920	1035.4111	1046.4922
3540.0	964.3760	967.3208	971.6790	985.8582	999.6138	1013.0022	1026.0591	1038.9424	1050.1868
3550.0	967.5830	970.5425	974.9221	989.1646	1002.9783	1016.4214	1029.5327	1042.4812	1053.8936
3560.0	970.7944	973.7683	978.1685	992.4771	1006.3491	1019.8469	1033.0122	1046.0269	1057.6118
3570.0	974.0090	976.9978	981.4204	995.7930	1009.7234	1023.2769	1036.4976	1049.5806	1061.3423
3580.0	977.2271	980.2322	984.6768	999.1130	1013.1038	1026.7131	1039.9900	1053.1418	1065.0869
3590.0	980.4495	983.4702	987.9365	1002.4392	1016.4890	1030.1545	1043.4875	1056.7109	1068.8435
3600.0	983.6761	986.7131	991.2004	1005.7695	1019.8792	1033.6028	1046.9922	1060.2886	1072.6133
3610.0	986.9077	989.9600	994.4695	1009.1050	1023.2756	1037.0559	1050.5037	1063.8750	1076.3967
3620.0	990.1423	993.2097	997.7437	1012.4456	1026.6763	1040.5146	1054.0208	1067.4685	1080.1941
3630.0	993.3813	996.4651	1001.0200	1015.7905	1030.0837	1043.9807	1057.5461	1071.0713	1084.0054
3640.0	996.6243	999.7244	1004.3027	1019.1414	1033.4958	1047.4519	1061.0781	1074.6829	1087.8298
3650.0	999.8726	1002.9895	1007.5898	1022.4976	1036.9146	1050.9297	1064.6167	1078.3042	1091.6702
3660.0	1003.1240	1006.2578	1010.8813	1025.8582	1040.3386	1054.4143	1068.1631	1081.9348	1095.5247
3670.0	1006.3811	1009.5305	1014.1780	1029.2253	1043.7686	1057.9050	1071.7175	1085.5759	1099.3943
3680.0	1009.6406	1012.8086	1017.4795	1032.5964	1047.2043	1061.4021	1075.2783	1089.2261	1103.2783
3690.0	1012.9067	1016.0908	1020.7859	1035.9734	1050.6467	1064.9063	1078.8474	1092.8857	1107.1782
3700.0	1016.1763	1019.3779	1024.0969	1039.3574	1054.0950	1068.4180	1082.4253	1096.5566	1111.0960
3710.0	1019.4507	1022.6697	1027.4128	1042.7456	1057.5496	1071.9360	1086.0103	1100.2380	1115.0254
3720.0	1022.7300	1025.9666	1030.7341	1046.1404	1061.0112	1075.4619	1089.6045	1103.9309	1118.9736
3730.0	1026.0129	1029.2676	1034.0598	1049.5403	1064.4778	1078.9944	1093.2061	1107.6333	1122.9373
3740.0	1029.3015	1032.5732	1037.3921	1052.9465	1067.9521	1082.5344	1096.8167	1111.3484	1126.9175
3750.0	1032.5957	1035.8860	1040.7292	1056.3591	1071.4343	1086.0828	1100.4370	1115.0752	1130.9155
3760.0	1035.8938	1039.2019	1044.0713	1059.7776	1074.9216	1089.6377	1104.0649	1118.8137	1134.9297
3770.0	1039.1960	1042.5242	1047.4192	1063.2019	1078.4163	1093.2012	1107.7029	1122.5642	1138.9619
3780.0	1042.5042	1045.8511	1050.7720	1066.6326	1081.9180	1096.7729	1111.3508	1126.3271	1143.0117
3790.0	1045.8174	1049.1829	1054.1301	1070.0698	1085.4275	1100.3525	1115.0076	1130.1038	1147.0789
3800.0	1049.1360	1052.5208	1057.4944	1073.5144	1088.9443	1103.9412	1118.6750	1133.8931	1151.1648
3810.0	1052.4592	1055.8630	1060.8650	1076.9639	1092.4683	1107.5376	1122.3518	1137.6960	1155.2688

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TEMPERATURE / DEGREES R	FUEL/AIR RATIO 0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1055.7881	1059.2122	1064.2405	1080.4219	1095.8993	1111.1426	1126.0388	1141.5122	1159.3909
3830.0	1059.1223	1062.5662	1067.6223	1083.8853	1099.5386	1114.7568	1129.7371	1145.3430	1163.5325
3840.0	1062.4604	1065.9250	1071.0093	1087.3560	1103.0854	1118.3799	1133.4453	1149.1873	1167.6929
3850.0	1065.8062	1069.2905	1074.4036	1090.8337	1106.6411	1122.0122	1137.1648	1153.0474	1171.8730
3860.0	1069.1558	1072.6614	1077.8035	1094.3186	1110.2048	1125.6533	1140.8955	1156.9224	1176.0718
3870.0	1072.5117	1076.0388	1081.2087	1097.8113	1113.7761	1129.3049	1144.6370	1160.8120	1180.2917
3880.0	1075.8735	1079.4216	1084.6208	1101.3098	1117.3552	1133.9656	1148.3906	1164.7178	1184.5310
3890.0	1079.2407	1082.8110	1088.0393	1104.8174	1120.9446	1136.6360	1152.1565	1168.6396	1188.7910
3900.0	1082.6133	1086.2046	1091.4636	1108.3320	1124.5415	1140.3171	1155.9333	1172.5769	1193.0713
3910.0	1085.9927	1089.6055	1094.8962	1111.8538	1128.1477	1144.0083	1159.7241	1176.5320	1197.3721
3920.0	1089.3755	1093.0122	1098.3337	1115.3835	1131.7634	1147.7095	1163.5264	1180.5039	1201.6946
3930.0	1092.7676	1096.4258	1101.7791	1118.9216	1135.3867	1151.4219	1167.3416	1184.4937	1206.0381
3940.0	1096.1646	1099.8459	1105.2300	1122.4675	1139.0210	1155.1448	1171.1702	1188.5002	1210.4038
3950.0	1099.5674	1103.2729	1108.6887	1126.0220	1142.6636	1158.8789	1175.0125	1192.5254	1214.7903
3960.0	1102.9768	1106.7061	1112.1536	1129.5845	1146.3164	1162.6240	1178.8684	1196.5691	1219.2004
3970.0	1106.3923	1110.1450	1115.6282	1133.1553	1149.9792	1166.3821	1182.7385	1200.6316	1223.6318
3980.0	1109.8140	1113.5913	1119.1067	1136.7344	1153.6514	1170.1501	1186.6221	1204.7134	1228.0862
3990.0	1113.2429	1117.0454	1122.5947	1140.3230	1157.3340	1173.9307	1190.5208	1208.8152	1232.5635
4000.0	1116.6787	1120.5051	1126.0894	1143.9199	1161.0278	1177.7239	1194.4346	1212.9368	1237.0647

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TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.1754	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2750.0	723.2593	725.2249	728.1597	737.8147	747.2859	756.5732	765.6841	774.6226	780.7798
2760.0	726.1938	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3447	784.7722	794.0198	800.3899
2820.0	743.8218	745.8665	748.9199	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6160	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0996	816.7097	823.3296
2890.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
2900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8967
2910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2920.0	773.2828	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
2930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
2940.0	779.1865	781.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0452
2950.0	782.1399	784.3335	787.6089	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354
2960.0	785.0942	787.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
2970.0	788.0500	790.2666	793.5767	804.4675	815.1467	825.6208	835.8960	845.9766	852.9209
2980.0	791.0066	793.2349	796.5623	807.5098	818.2446	828.7732	839.1021	849.2351	856.2153
2990.0	793.9639	796.2039	799.5481	810.5525	821.3435	831.9265	842.3088	852.4946	859.5112
3000.0	796.9224	799.1738	802.5356	813.5969	824.4436	835.0813	845.5173	855.7559	862.8086
3010.0	799.8819	802.1448	805.5237	816.6421	827.5444	838.2371	848.7268	859.0178	866.1069
3020.0	802.8425	805.1169	808.5134	819.6887	830.6467	841.3945	851.9377	862.2817	869.4070
3030.0	805.8037	808.0901	811.5039	822.7358	833.7502	844.5525	855.1497	865.5466	872.7083
3040.0	808.7666	811.0642	814.4954	825.7849	836.8550	847.7122	858.3633	868.8130	876.0110
3050.0	811.7297	814.0391	817.4875	828.8342	839.9604	850.8728	861.5779	872.0803	879.3149
3060.0	814.6941	817.0154	820.4812	831.8850	843.0671	854.0347	864.7935	875.3491	882.6201
3070.0	817.6599	819.9927	823.4758	834.9370	846.1753	857.1978	868.0107	878.6194	885.9270
3080.0	820.6262	822.9707	826.4714	837.9897	849.2844	860.3621	871.2292	881.8909	889.2349
3090.0	823.5940	825.9500	829.4683	841.0439	852.3950	863.5276	874.4492	885.1638	892.5447
3100.0	826.5620	828.9297	832.4656	844.0986	855.5061	866.6941	877.6697	888.4375	895.8550
3110.0	829.5315	831.9111	835.4641	847.1548	858.6187	869.8618	880.8916	891.7129	899.1667
3120.0	832.5023	834.8933	838.4639	850.2124	861.7327	873.0313	884.1152	894.9897	902.4805
3130.0	835.4734	837.8762	841.4644	853.2703	864.8472	876.2012	887.3398	898.2673	905.7949
3140.0	838.4458	840.8604	844.4661	856.3296	867.9631	879.3726	890.5657	901.5466	909.1111
3150.0	841.4194	843.8459	847.4690	859.3906	871.0806	882.5454	893.7930	904.8276	912.4287
3160.0	844.4819	846.9194	850.5603	862.5364	874.2771	885.7913	897.0852	908.1619	915.7991
3170.0	847.5620	850.0120	853.6699	865.7007	877.4924	889.0544	900.3923	911.5090	919.1831
3180.0	850.6465	853.1084	856.7832	868.8677	880.7102	892.3196	903.7029	914.8594	922.5723
3190.0	853.7332	856.2068	859.8989	872.0369	883.9304	895.5884	907.0149	918.2126	925.9634
3200.0	856.8223	859.3076	863.0173	875.2095	887.1545	898.8599	910.3313	921.5686	929.3591
3210.0	859.9143	862.4114	866.1382	878.3853	890.3804	902.1335	913.6494	924.9270	932.7593
3220.0	863.0093	865.5181	869.2622	881.5635	893.6101	905.4104	916.9702	928.2888	936.1636
3230.0	866.1064	868.6272	872.3884	884.7451	896.8423	908.6904	920.2952	931.6541	939.5723
3240.0	869.2065	871.7393	875.5178	887.9290	900.0767	911.9727	923.6216	935.0212	942.9864
3250.0	872.3091	874.8542	878.6504	891.1157	903.3145	915.2581	926.9517	938.3918	946.4014
3260.0	875.4150	877.9722	881.7856	894.3059	906.5557	918.5466	930.2839	941.7654	949.8230
3270.0	878.5237	881.0928	884.9241	897.4988	909.7998	921.8391	933.6204	945.1423	953.2500

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PRESSURE = 100.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	881.6343	884.2163	888.0647	900.6946	913.0469	925.1333	936.9595	948.5227	956.6809
3290.0	884.7483	887.3420	891.2078	903.8933	916.2964	928.4312	940.3015	951.9058	960.1184
3300.0	887.8657	890.4714	894.3547	907.0955	919.5498	931.7319	943.6467	955.2925	963.5593
3310.0	890.9849	893.6030	897.5046	910.3008	922.8064	935.0361	946.9963	958.6833	967.0066
3320.0	894.1074	896.7380	900.6575	913.5088	926.0659	938.3440	950.3474	962.0769	970.4562
3330.0	897.2329	899.8760	903.8132	916.7200	929.3289	941.6548	953.7031	965.4744	973.9172
3340.0	900.3604	903.0168	906.9722	919.9341	932.5945	944.9683	957.0618	968.8750	977.3809
3350.0	903.4924	906.1604	910.1338	923.1523	935.8635	948.2859	960.4236	972.2793	980.8513
3360.0	906.6267	909.3076	913.2996	926.3740	939.1372	951.6074	963.7898	975.6887	984.3279
3370.0	909.7644	912.4573	916.4675	929.5977	942.4126	954.9312	967.1584	979.0999	987.8096
3380.0	912.9048	915.6108	919.6382	932.8254	945.6917	958.2588	970.5313	982.5168	991.2991
3390.0	916.0479	918.7668	922.8123	936.0559	948.9746	961.5896	973.9070	985.9365	994.7939
3400.0	919.1938	921.9263	925.9905	939.2905	952.2612	964.9246	977.2878	989.3618	998.2966
3410.0	922.3435	925.0886	929.1716	942.5281	955.5508	968.2634	980.6714	992.7893	1001.8054
3420.0	925.4971	928.2544	932.3562	945.7693	958.8445	971.6055	984.0593	996.2224	1005.3218
3430.0	928.6528	931.4236	935.5432	949.0139	962.1418	974.9514	987.4509	999.6599	1008.8462
3440.0	931.8123	934.5952	938.7349	952.2622	965.4424	978.3015	990.8462	1003.1013	1012.3772
3450.0	934.9749	937.7708	941.9282	955.5142	968.7468	981.6548	994.2461	1006.5479	1015.9155
3460.0	938.1394	940.9497	945.1257	958.7693	972.0552	985.0125	997.6492	1009.9985	1019.4624
3470.0	941.3088	944.1316	948.3274	962.0286	975.3672	988.3738	1001.0571	1013.4546	1023.0171
3480.0	944.4802	947.3174	951.5313	965.2908	978.6831	991.7388	1004.4695	1016.9150	1026.5798
3490.0	947.6558	950.5056	954.7385	968.5576	982.0034	995.1084	1007.8860	1020.3804	1030.1514
3500.0	950.8347	953.6982	957.9512	971.8281	985.3267	998.4827	1011.3071	1023.8508	1033.7327
3510.0	954.0164	956.8938	961.1653	975.1018	988.6548	1001.8604	1014.7327	1027.3274	1037.3220
3520.0	957.2019	960.0930	964.3840	978.3794	991.9863	1005.2417	1018.1619	1030.8079	1040.9199
3530.0	960.3904	963.2966	967.6067	981.6616	995.3228	1008.6289	1021.5967	1034.2952	1044.5269
3540.0	963.5824	966.5017	970.8325	984.9470	998.6631	1012.0190	1025.0361	1037.7866	1048.1443
3550.0	966.7788	969.7112	974.0625	988.2368	1002.0076	1015.4150	1028.4802	1041.2849	1051.7705
3560.0	969.9783	972.9250	977.2954	991.5305	1005.3564	1018.8152	1031.9296	1044.7891	1055.4072
3570.0	973.1807	976.1421	980.5325	994.8286	1008.7087	1022.2195	1035.3828	1048.2986	1059.0540
3580.0	976.3872	979.3623	983.7732	998.1311	1012.0669	1025.6287	1038.8420	1051.8137	1062.7109
3590.0	979.5969	982.5869	987.0181	1001.4365	1015.4282	1029.0425	1042.3062	1055.3364	1066.3784
3600.0	982.8108	985.8154	990.2666	1004.7468	1018.7942	1032.4609	1045.7756	1058.8645	1070.0571
3610.0	986.0286	989.0476	993.5188	1008.0620	1022.1660	1035.8853	1049.2507	1062.3997	1073.7461
3620.0	989.2483	992.2830	996.7749	1011.3801	1025.5410	1039.3132	1052.7310	1065.9417	1077.4460
3630.0	992.4741	995.5225	1000.0364	1014.7046	1028.9219	1042.7471	1056.2168	1069.4902	1081.1582
3640.0	995.7029	998.7656	1003.3008	1018.0317	1032.3064	1046.1855	1059.7085	1073.0457	1084.8806
3650.0	998.9355	1002.0137	1006.5691	1021.3643	1035.6963	1049.6301	1063.2065	1076.6082	1088.6157
3660.0	1002.1714	1005.2651	1009.8425	1024.7012	1039.0916	1053.0791	1066.7092	1080.1787	1092.3625
3670.0	1005.4114	1008.5208	1013.1191	1028.0430	1042.4915	1056.5344	1070.2190	1083.7561	1096.1226
3680.0	1008.6550	1011.7800	1016.3999	1031.3884	1045.8962	1059.9946	1073.7341	1087.3411	1099.8931
3690.0	1011.9031	1015.0439	1019.6855	1034.7395	1049.3062	1063.4604	1077.2561	1090.9338	1103.6775
3700.0	1015.1558	1018.3115	1022.9756	1038.0955	1052.7214	1066.9321	1080.7844	1094.5354	1107.4751
3710.0	1018.4109	1021.5828	1026.2690	1041.4553	1056.1416	1070.4089	1084.3188	1098.1448	1111.2839
3720.0	1021.6716	1024.8599	1029.5681	1044.8210	1059.5676	1073.8928	1087.8601	1101.7625	1115.1079
3730.0	1024.9348	1028.1389	1032.8704	1048.1904	1062.9988	1077.3809	1091.4075	1105.3887	1118.9441
3740.0	1028.2046	1031.4246	1036.1782	1051.5662	1066.4360	1080.8770	1094.9631	1109.0247	1122.7947
3750.0	1031.4763	1034.7141	1039.4907	1054.9478	1069.8779	1084.3787	1098.5247	1112.6680	1126.6587
3760.0	1034.7539	1038.0068	1042.8056	1058.3328	1073.3262	1087.8860	1102.0935	1116.3210	1130.5364
3770.0	1038.0349	1041.3057	1046.1277	1061.7231	1076.7800	1091.3997	1105.6692	1119.9839	1134.4287
3780.0	1041.3198	1044.6079	1049.4541	1065.1196	1080.2400	1094.9202	1109.2537	1123.6567	1138.3364
3790.0	1044.6104	1047.9143	1052.7847	1068.5210	1083.7056	1098.4473	1112.8447	1127.3384	1142.2573
3800.0	1047.9045	1051.2256	1056.1204	1071.9282	1087.1777	1101.9817	1116.4446	1131.0313	1146.1948
3810.0	1051.2026	1054.5430	1059.4604	1075.3408	1090.6558	1105.5222	1120.0510	1134.7344	1150.1475

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PRESSURE = 100.0000
TEMPERATURE / FUEL/AIR RATIO

DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1054.5066	1057.8630	1062.8064	1078.7588	1094.1392	1109.0693	1123.6655	1138.4475	1154.1133
3830.0	1057.8145	1061.1887	1066.1565	1082.1826	1097.6296	1112.6252	1127.2893	1142.1714	1158.0964
3840.0	1061.1265	1064.5188	1069.5112	1085.6123	1101.1965	1116.1865	1130.9207	1145.9063	1162.0947
3850.0	1064.4441	1067.8545	1072.8723	1089.0476	1104.8304	1119.7556	1134.5613	1149.6523	1166.1096
3860.0	1067.7646	1071.1943	1076.2380	1092.6888	1108.1399	1123.3325	1138.2100	1153.4102	1170.1396
3870.0	1071.0916	1074.5396	1079.6089	1095.9358	1111.6565	1126.9170	1141.8674	1157.1797	1174.1870
3880.0	1074.4236	1077.8901	1082.9849	1099.3892	1115.1792	1130.5081	1145.5334	1160.9609	1178.2500
3890.0	1077.7595	1081.2454	1086.3667	1102.8486	1118.7104	1134.1084	1149.2102	1164.7544	1182.3315
3900.0	1081.1011	1084.6052	1089.7539	1106.3135	1122.2473	1137.7161	1152.8950	1168.5610	1186.4282
3910.0	1084.4475	1087.9712	1093.1460	1109.7864	1125.7915	1141.3318	1156.5898	1172.3796	1190.5430
3920.0	1087.7976	1091.3416	1096.5439	1113.2642	1129.3428	1144.9556	1160.2949	1176.2117	1194.6753
3930.0	1091.1536	1094.7173	1099.9465	1116.7495	1132.9021	1148.5884	1164.0095	1180.0569	1198.8254
3940.0	1094.5151	1098.0991	1103.3564	1120.2405	1136.4692	1152.2292	1167.7346	1183.9163	1202.9929
3950.0	1097.8813	1101.4854	1106.7708	1123.7383	1140.0427	1155.8787	1171.4692	1187.7888	1207.1787
3960.0	1101.2539	1104.8782	1110.1921	1127.2437	1143.6255	1159.5376	1175.2151	1191.6760	1211.3831
3970.0	1104.6309	1108.2766	1113.6184	1130.7554	1147.2146	1163.2061	1178.9716	1195.5776	1215.6060
3980.0	1108.0134	1111.6797	1117.0508	1134.2729	1150.8123	1166.8826	1182.7390	1199.4939	1219.8472
3990.0	1111.4009	1115.0881	1120.4897	1137.7991	1154.4180	1170.5684	1186.5176	1203.4260	1224.1072
4000.0	1114.7942	1118.5037	1123.9338	1141.3323	1158.0317	1174.2642	1190.3076	1207.3726	1228.3877

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PRESSURE = 200.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
[illegible]	726.1938	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
780.0	732.0653	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
800.0	737.9419	739.9639	742.9834	752.9192	762.6602	772.2146	781.5879	790.7837	797.1182
810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
[illegible]	743.8218	745.8665	748.9199	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
840.0	749.7061	751.7737	754.8604	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
890.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
920.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
940.0	779.1865	781.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0452
950.0	782.1399	784.3335	787.6089	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354
960.0	785.0942	787.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
970.0	788.0500	790.2666	793.5767	804.4675	815.1467	825.6208	835.8960	845.9766	852.9209
980.0	791.0064	793.2349	796.5623	807.5098	818.2446	828.7732	839.1021	849.2351	856.2153
990.0	793.9639	796.2039	799.5481	810.5525	821.3435	831.9265	842.3088	852.4946	859.5112
000.0	796.9224	799.1738	802.5356	813.5969	824.4436	835.0813	845.5173	855.7559	862.8086
010.0	799.8818	802.1448	805.5237	816.6421	827.5444	838.2371	848.7268	859.0178	866.1069
020.0	802.8425	805.1169	808.5134	819.6887	830.6467	841.3945	851.9377	862.2817	869.4070
030.0	805.8037	808.0901	811.5039	822.7358	833.7502	844.5525	855.1497	865.5466	872.7083
040.0	808.7666	811.0642	814.4954	825.7849	836.8550	847.7122	858.3633	868.8130	876.0110
050.0	811.7297	814.0391	817.4875	828.8342	839.9604	850.8728	861.5779	872.0803	879.3149
060.0	814.6941	817.0154	820.4812	831.8850	843.0671	854.0347	864.7935	875.3491	882.6201
070.0	817.6599	819.9927	823.4758	834.9370	846.1753	857.1978	868.0107	878.6194	885.9270
080.0	820.6262	822.9707	826.4714	837.9897	849.2844	860.3621	871.2292	881.8909	889.2349
090.0	823.5940	825.9500	829.4683	841.0439	852.3950	863.5276	874.4492	885.1638	892.5447
100.0	826.5620	828.9297	832.4656	844.0986	855.5061	866.6941	877.6697	888.4375	895.8550
110.0	829.5315	831.9111	835.4641	847.1548	858.6187	869.8618	880.8916	891.7129	899.1667
120.0	832.5022	834.8933	838.4639	850.2124	861.7327	873.0313	884.1152	894.9897	902.4805
130.0	835.4734	837.8762	841.4644	853.2703	864.8472	876.2012	887.3398	898.2673	905.7949
140.0	838.4458	840.8604	844.4661	856.3296	867.9631	879.3726	890.5657	901.5466	909.1111
150.0	841.4194	843.8459	847.4690	859.3906	871.0806	882.5454	893.7930	904.8276	912.4287
160.0	844.3940	846.8320	850.4729	862.4521	874.1987	885.7192	897.0215	908.1094	915.7476
170.0	847.3694	849.8196	853.4778	865.5149	877.3181	888.8945	900.2512	911.3928	919.0676
180.0	850.3457	852.8074	856.4834	868.5784	880.4385	892.0706	903.4817	914.6770	922.3887
190.0	853.3230	855.7966	859.4902	871.6433	883.5601	895.2480	906.7139	917.9629	925.7117
200.0	856.3015	858.7869	862.4983	874.7092	886.6831	898.4265	909.9475	921.2500	929.0356
210.0	859.3208	861.8176	865.5461	877.8132	889.8418	901.6377	913.2100	924.5603	932.3831
220.0	862.4124	864.9209	868.6660	880.9871	893.0657	904.9087	916.5254	927.9138	935.7695
230.0	865.5066	868.0273	871.7896	884.1636	896.2932	908.1831	919.8423	931.2705	939.1609
240.0	868.6040	871.1357	874.9148	887.3433	899.5225	911.4592	923.1614	934.6282	942.5544
250.0	871.7036	874.2471	878.0435	890.5256	902.7546	914.7383	926.4849	937.9907	945.9536
260.0	874.8062	877.3613	881.1746	893.7100	905.9893	918.0203	929.8096	941.3550	949.3533
270.0	877.9106	880.4780	884.3083	896.8977	909.2273	921.3052	933.1379	944.7214	952.7598

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ENTHALPY

PRESSURE = 200.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	881.0188	883.5977	887.4453	900.0879	912.4678	924.5923	936.4685	948.0918	956.1689
3290.0	884.1292	886.7200	890.5850	903.2820	915.7109	927.8828	939.8020	951.4641	959.5828
3300.0	887.2427	889.8452	893.7268	906.4740	918.9575	931.1755	943.1382	954.8391	962.9998
3310.0	890.3589	892.9729	896.8728	909.6772	922.2061	934.4724	946.4783	958.2185	966.4224
3320.0	893.4775	896.1038	900.0198	912.8789	925.4587	937.7712	949.8198	961.6001	969.8496
3330.0	896.5986	899.2371	903.1707	916.0842	928.7146	941.0732	953.1660	964.9844	973.2793
3340.0	899.7229	902.3735	906.3242	919.2913	931.9722	944.3784	956.5142	968.3721	976.7141
3350.0	902.8499	905.5127	909.4807	922.5024	935.2336	947.6858	959.8652	971.7627	980.1548
3360.0	905.9800	908.6553	912.6409	925.7163	938.4976	950.9960	963.2200	975.1577	983.6011
3370.0	909.1125	911.7998	915.8032	928.9331	941.7651	954.3120	966.5769	978.5552	987.0510
3380.0	912.2483	914.9478	918.9678	932.1531	945.0361	957.6294	969.9382	981.9553	990.5054
3390.0	915.3867	918.0984	922.1360	935.3757	948.3088	960.9500	973.3018	985.3594	993.9653
3400.0	918.5276	921.2512	925.3076	938.6023	951.5859	964.2737	976.6694	988.7666	997.4314
3410.0	921.6721	924.4080	928.4819	941.8315	954.8652	967.6006	980.0393	992.1777	1000.9021
3420.0	924.8196	927.5676	931.6592	945.0645	958.1489	970.9312	983.4131	995.5923	1004.3796
3430.0	927.9705	930.7300	934.8396	948.2998	961.4360	974.2651	986.7905	999.0115	1007.8623
3440.0	931.1228	933.8962	938.0234	951.5391	964.7253	977.6013	990.1714	1002.4329	1011.3518
3450.0	934.2791	937.0652	941.2102	954.7810	968.0183	980.9419	993.5549	1005.8582	1014.8469
3460.0	937.4385	940.2366	944.3999	958.0266	971.3147	984.2856	996.9429	1009.2883	1018.3479
3470.0	940.6006	943.4114	947.5933	961.2756	974.6155	987.6333	1000.3345	1012.7214	1021.8562
3480.0	943.7656	946.5898	950.7893	964.5273	977.9185	990.9836	1003.7288	1016.1592	1025.3694
3490.0	946.9341	949.7712	953.9885	967.7834	981.2251	994.3389	1007.1282	1019.6008	1028.8914
3500.0	950.1062	952.9548	957.1914	971.0425	984.5359	997.6960	1010.5298	1023.0466	1032.4196
3510.0	953.2808	956.1428	960.3975	974.3047	987.8499	1001.0586	1013.9368	1026.4968	1035.9543
3520.0	956.4583	959.3332	963.6064	977.5703	991.1667	1004.4238	1017.3457	1029.9514	1039.4971
3530.0	959.6396	962.5278	966.8193	980.8403	994.4890	1007.7930	1020.7605	1033.4099	1043.0461
3540.0	962.8236	965.7244	970.0357	984.1128	997.8137	1011.1665	1024.1785	1036.8733	1046.6040
3550.0	966.0105	968.9253	973.2537	987.3894	1001.1426	1014.5435	1027.6003	1040.3420	1050.1697
3560.0	969.2017	972.1292	976.4768	990.6694	1004.4749	1017.9248	1031.0269	1043.8147	1053.7429
3570.0	972.3958	975.3364	979.7031	993.9534	1007.8113	1021.3091	1034.4573	1047.2917	1057.3230
3580.0	975.5943	978.5471	982.9331	997.2407	1011.1514	1024.6980	1037.8923	1050.7749	1060.9121
3590.0	978.7927	981.7615	986.1655	1000.5327	1014.4954	1028.0903	1041.3306	1054.2622	1064.5103
3600.0	981.9957	984.9795	989.4026	1003.8274	1017.8433	1031.4880	1044.7744	1057.7542	1068.1167
3610.0	985.2043	988.2000	992.6426	1007.1265	1021.1956	1034.8899	1048.2224	1061.2527	1071.7317
3620.0	988.4136	991.4241	995.8863	1010.4285	1024.5513	1038.2949	1051.6746	1064.7561	1075.3562
3630.0	991.6284	994.6521	999.1340	1013.7356	1027.9116	1041.7048	1055.1318	1068.2644	1078.9902
3640.0	994.8459	997.8831	1002.3843	1017.0454	1031.2756	1045.1187	1058.5933	1071.7781	1082.6360
3650.0	998.0669	1001.1179	1005.6396	1020.3608	1034.6445	1048.5383	1062.0598	1075.2983	1086.2852
3660.0	1001.2910	1004.3567	1008.8979	1023.6785	1038.0171	1051.9609	1065.5315	1078.8240	1089.9375
3670.0	1004.5193	1007.5986	1012.1604	1027.0010	1041.3943	1055.3892	1069.0076	1082.3562	1093.6201
3680.0	1007.7493	1010.8442	1015.4258	1030.3274	1044.7761	1058.8210	1072.4895	1085.8931	1097.3018
3690.0	1010.9861	1014.0940	1018.6958	1033.6580	1048.1614	1062.2583	1075.9761	1089.4365	1100.9939
3700.0	1014.2249	1017.3469	1021.9695	1036.9934	1051.5520	1065.7002	1079.4670	1092.9875	1104.6968
3710.0	1017.4670	1020.6038	1025.2471	1040.3323	1054.9463	1069.1462	1082.9639	1096.5439	1108.4102
3720.0	1020.7131	1023.8645	1028.5283	1043.6763	1058.3467	1072.5981	1086.4663	1100.1067	1112.1345
3730.0	1023.9622	1027.1289	1031.8125	1047.0232	1061.7495	1076.0547	1089.9749	1103.6768	1115.8696
3740.0	1027.2143	1030.3979	1035.1030	1050.3757	1065.1581	1079.5161	1093.4878	1107.2534	1119.6157
3750.0	1030.4731	1033.6702	1038.3960	1053.7324	1068.5723	1082.9834	1097.0073	1110.8376	1123.3740
3760.0	1033.7341	1036.9463	1041.6934	1057.0933	1071.9904	1086.4553	1100.5320	1114.4285	1127.1428
3770.0	1036.9988	1040.2256	1044.9951	1060.4587	1075.4136	1089.9326	1104.0620	1118.0259	1130.9238
3780.0	1040.2676	1043.5100	1048.3005	1063.8284	1078.8416	1093.4150	1107.5996	1121.6316	1134.7163
3790.0	1043.5398	1046.7979	1051.6099	1067.2036	1082.2742	1096.9023	1111.1423	1125.2444	1138.5222
3800.0	1046.8167	1050.0903	1054.9238	1070.5830	1085.7129	1100.3962	1114.6914	1128.8665	1142.3396
3810.0	1050.0972	1053.3870	1058.2427	1073.9668	1089.1565	1103.8958	1118.2468	1132.4958	1146.1697

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TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1053.3818	1056.6865	1061.5654	1077.3550	1092.6042	1107.4006	1121.8086	1136.1331	1150.0122
3830.0	1056.6699	1059.9907	1064.8918	1080.7500	1096.0581	1110.9114	1125.3767	1139.7791	1153.8669
3840.0	1059.9624	1063.2993	1068.2231	1084.1477	1099.5176	1114.4275	1128.9512	1143.4331	1157.7356
3850.0	1063.2583	1066.6128	1071.5591	1087.5510	1102.9822	1117.9497	1132.5332	1147.0964	1161.6167
3860.0	1066.5591	1069.9304	1074.8994	1090.9597	1106.4524	1121.4785	1136.1219	1150.7676	1165.5115
3870.0	1069.8643	1073.2517	1078.2439	1094.3733	1109.9277	1125.0132	1139.7178	1154.4497	1169.6209
3880.0	1073.1733	1076.5774	1081.5928	1097.7910	1113.4087	1128.5540	1143.3201	1158.1387	1173.3420
3890.0	1076.4866	1079.9084	1084.9470	1101.2158	1116.8960	1132.1006	1146.9309	1161.8379	1177.2776
3900.0	1079.8037	1083.2429	1088.3057	1104.6468	1120.3882	1135.6543	1150.5481	1165.5471	1181.2283
3910.0	1083.1252	1086.5820	1091.6682	1108.0786	1123.8867	1139.2148	1154.1726	1169.2661	1185.1929
3920.0	1086.4521	1089.9246	1095.0361	1111.5188	1127.3923	1142.7820	1157.8059	1172.9956	1189.1714
3930.0	1089.7825	1093.2734	1098.4092	1114.9639	1130.9019	1146.3555	1161.4458	1176.7344	1193.1646
3940.0	1093.1179	1096.6260	1101.7869	1118.4146	1134.4192	1149.9358	1165.0942	1180.4834	1197.1726
3950.0	1096.4570	1099.9839	1105.1687	1121.8713	1137.9419	1153.5229	1168.7505	1184.2446	1201.1953
3960.0	1099.8018	1103.3457	1108.5564	1125.3328	1141.4717	1157.1177	1172.4150	1188.0151	1205.2344
3970.0	1103.1506	1106.7141	1111.9495	1128.8005	1145.0071	1160.7197	1176.0889	1191.7976	1209.2888
3980.0	1106.5029	1110.0847	1115.3462	1132.2729	1148.5491	1164.3281	1179.7708	1195.5920	1213.3574
3990.0	1109.8611	1113.4614	1118.7493	1135.7527	1152.0977	1167.9451	1183.4612	1199.3975	1217.4429
4000.0	1113.2234	1116.8442	1122.1572	1139.2378	1155.6526	1171.5696	1187.1606	1203.2146	1221.5439

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DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2750.0	723.2593	725.2249	728.1497	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
2760.0	726.1938	728.1704	731.1023	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0703	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0564	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.9813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	743.9214	745.8665	748.9194	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5236	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
2890.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
2900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
2910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2920.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
2930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
2940.0	779.1865	781.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0457
2950.0	782.1399	784.3335	787.6089	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354
2960.0	785.0942	787.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
2970.0	788.0500	790.2666	793.5767	804.4675	815.1467	825.6208	835.8960	845.9766	852.9209
2980.0	791.0066	793.2349	796.5623	807.5098	818.2446	828.7732	839.1021	849.2351	856.2153
2990.0	793.9639	796.2039	799.5481	810.5525	821.3435	831.9265	842.3088	852.4946	859.5112
3000.0	796.9224	799.1738	802.5356	813.5969	824.4436	835.0813	845.5173	855.7559	862.8086
3010.0	799.8818	802.1448	805.5237	816.6421	827.5444	838.2371	848.7268	859.0178	866.1069
3020.0	802.8425	805.1169	808.5134	819.6887	830.6467	841.3945	851.9377	862.2817	869.4070
3030.0	805.8037	808.0901	811.5039	822.7358	833.7502	844.5525	855.1497	865.5466	872.7083
3040.0	808.7666	811.0642	814.4954	825.7849	836.8550	847.7122	858.3633	868.8130	876.0110
3050.0	811.7297	814.0391	817.4875	828.8342	839.9604	850.8728	861.5779	872.0803	879.3149
3060.0	814.6941	817.0154	820.4812	831.8850	843.0671	854.0347	864.7935	875.3491	882.6201
3070.0	817.6599	819.9927	823.4758	834.9370	846.1753	857.1978	868.0107	878.6194	885.9270
3080.0	820.6262	822.9707	826.4714	837.9897	849.2844	860.3621	871.2292	881.8909	889.2349
3090.0	823.5940	825.9500	829.4683	841.0439	852.3950	863.5276	874.4492	885.1638	892.5447
3100.0	826.5620	828.9297	832.4656	844.0986	855.5061	866.6941	877.6697	888.4375	895.8550
3110.0	829.5315	831.9111	835.4641	847.1548	858.6187	869.8618	880.8916	891.7129	899.1667
3120.0	832.5022	834.8933	838.4639	850.2124	861.7327	873.0313	884.1152	894.9897	902.4805
3130.0	835.4734	837.8762	841.4644	853.2703	864.8472	876.2012	887.3398	898.2673	905.7949
3140.0	838.4458	840.8604	844.4661	856.3296	867.9631	879.3726	890.5657	901.5466	909.1111
3150.0	841.4194	843.8459	847.4690	859.3906	871.0806	882.5454	893.7930	904.8276	912.4287
3160.0	844.3940	846.8320	850.4729	862.4521	874.1987	885.7192	897.0215	908.1094	915.7476
3170.0	847.3694	849.8196	853.4778	865.5149	877.3181	888.8945	900.2512	911.3928	919.0676
3180.0	850.3457	852.8074	856.4834	868.5784	880.4385	892.0706	903.4817	914.6770	922.3887
3190.0	853.3230	855.7966	859.4902	871.6433	883.5601	895.2480	906.7139	917.9629	925.7117
3200.0	856.3015	858.7869	862.4983	874.7092	886.6831	898.4265	909.9475	921.2500	929.0356
3210.0	859.2808	861.7781	865.5071	877.7761	889.8069	901.6062	913.1821	924.5383	932.3611
3220.0	862.2612	864.7705	868.5168	880.8440	892.9321	904.7874	916.4180	927.8279	935.6880
3230.0	865.2427	867.7637	871.5278	883.9136	896.0583	907.9700	919.6553	931.1194	939.0161
3240.0	868.2427	870.7751	874.5574	886.9948	899.2007	911.1672	922.9043	934.4204	942.3538
3250.0	871.3406	873.8843	877.6838	890.1790	902.4299	914.4426	926.2234	937.7776	945.7432
3260.0	874.4414	876.9976	880.8127	893.3616	905.6619	917.7217	929.5452	941.1377	949.1350
3270.0	877.5447	880.1121	883.9448	896.5469	908.8970	921.0029	932.8694	944.4995	952.5315

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TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	880.6509	883.2297	887.0791	899.7344	912.1340	924.2871	936.1960	947.8645	955.9304
3290.0	883.7595	886.3506	890.2168	902.9255	915.3745	927.5732	939.5254	951.2317	959.3335
3300.0	886.8704	889.4731	893.3569	906.1184	918.6177	930.8630	942.8574	954.6025	962.7395
3310.0	889.9861	892.5999	896.5000	909.3142	921.8635	934.1560	946.1929	957.9758	966.1511
3320.0	893.1025	895.7285	899.6455	912.5144	925.1121	937.4500	949.5308	961.3516	969.5649
3330.0	896.2217	898.8594	902.7939	915.7158	928.3640	940.7483	952.8713	964.7302	972.9832
3340.0	899.3442	901.9927	905.9448	918.9202	931.6187	944.0488	956.2141	968.1123	976.4053
3350.0	902.4695	905.1304	909.0991	922.1277	934.8752	947.3523	959.5605	971.4958	979.8318
3360.0	905.5974	908.2708	912.2563	925.3385	938.1362	950.6594	962.9104	974.8848	983.2627
3370.0	908.7278	911.4124	915.4160	928.5515	941.3987	953.9688	966.2625	978.2749	986.6973
3380.0	911.8608	914.5576	918.5776	931.7676	944.6653	957.2810	969.6169	981.6680	990.1377
3390.0	914.9973	917.7058	921.7429	934.9871	947.9338	960.5964	972.9746	985.0647	993.5813
3400.0	918.1357	920.8562	924.9114	938.2092	951.2065	963.9150	976.3362	988.4644	997.0315
3410.0	921.2778	924.0105	928.0825	941.4346	954.4814	967.2361	979.6995	991.8669	1000.4846
3420.0	924.4221	927.1670	931.2563	944.6631	957.7600	970.5615	983.0676	995.2734	1003.9441
3430.0	927.5696	930.3264	934.4338	947.8943	961.0415	973.8892	986.4382	998.6831	1007.4080
3440.0	930.7200	933.4890	937.6138	951.1287	964.3252	977.2207	989.8123	1002.0964	1010.8772
3450.0	933.8738	936.6550	940.7969	954.3667	967.6135	980.5543	993.1885	1005.5122	1014.3521
3460.0	937.0293	939.8237	943.9832	957.6074	970.9043	983.8916	996.5681	1008.9316	1017.8320
3470.0	940.1890	942.9949	947.1724	960.8511	974.1985	987.2322	999.9524	1012.3552	1021.3176
3480.0	943.3503	946.1697	950.3643	964.0986	977.4956	990.5764	1003.3386	1015.7827	1024.8091
3490.0	946.5159	949.3464	953.5601	967.3494	980.7969	993.9238	1006.7297	1019.2136	1028.3069
3500.0	949.6846	952.5276	956.7588	970.6025	984.1013	997.2749	1010.1233	1022.6479	1031.8105
3510.0	952.8552	955.7114	959.9604	973.8586	987.4087	1000.6289	1013.5200	1026.0862	1035.3203
3520.0	956.0288	958.8987	963.1650	977.1191	990.7192	1003.9861	1016.9214	1029.5286	1038.8362
3530.0	959.2073	962.0886	966.3738	980.3833	994.0334	1007.3479	1020.3257	1032.9749	1042.3586
3540.0	962.3885	965.2808	969.5842	983.6497	997.3513	1010.7122	1023.7339	1036.4248	1045.8882
3550.0	965.5710	968.4768	972.7986	986.9199	1000.6724	1014.0806	1027.1460	1039.8792	1049.4250
3560.0	968.7566	971.6763	976.0164	990.1941	1003.9973	1017.4526	1030.5615	1043.3372	1052.9670
3570.0	971.9463	974.8796	979.2373	993.4714	1007.3254	1020.8281	1033.9805	1046.8005	1056.5176
3580.0	975.1396	978.0857	982.4614	996.7520	1010.6577	1024.2073	1037.4038	1050.2678	1060.0742
3590.0	978.3352	981.2942	985.6890	1000.0359	1013.9927	1027.5908	1040.8315	1053.7395	1063.6392
3600.0	981.5344	984.5066	988.9197	1003.3232	1017.3330	1030.9778	1044.2627	1057.2153	1067.2119
3610.0	984.7373	987.7227	992.1550	1006.6147	1020.6755	1034.3694	1047.6980	1060.6958	1070.7915
3620.0	987.9431	990.9412	995.3926	1009.9094	1024.0225	1037.7637	1051.1375	1064.1821	1074.3796
3630.0	991.1523	994.1641	998.6340	1013.2092	1027.3735	1041.1619	1054.5813	1067.6724	1077.9763
3640.0	994.3640	997.3896	1001.8782	1016.5107	1030.7271	1044.5649	1058.0286	1071.1675	1081.5796
3650.0	997.5798	1000.6182	1005.1265	1019.8169	1034.0862	1047.9714	1061.4812	1074.6680	1085.1938
3660.0	1000.7983	1003.8511	1008.3788	1023.1262	1037.4482	1051.3818	1064.9377	1078.1726	1088.8149
3670.0	1004.0212	1007.0872	1011.6328	1026.4407	1040.8147	1054.7974	1068.3994	1081.6836	1092.4453
3680.0	1007.2458	1010.3257	1014.8916	1029.7566	1044.1853	1058.2170	1071.8647	1085.2004	1096.0840
3690.0	1010.4761	1013.5686	1018.1538	1033.0789	1047.5593	1061.6406	1075.3342	1088.7212	1099.7324
3700.0	1013.7083	1016.8147	1021.4202	1036.4038	1050.9387	1065.0691	1078.8101	1092.2483	1103.3901
3710.0	1016.9441	1020.0647	1024.6895	1039.7329	1054.3208	1068.5015	1082.2893	1095.7800	1107.0566
3720.0	1020.1831	1023.3191	1027.9623	1043.0664	1057.7080	1071.9376	1085.7742	1099.3188	1110.7327
3730.0	1023.4258	1026.5750	1031.2395	1046.4031	1061.0984	1075.3789	1089.2632	1102.8630	1114.4192
3740.0	1026.6731	1029.8367	1034.5203	1049.7444	1064.4949	1078.8250	1092.7578	1106.4126	1118.1147
3750.0	1029.9229	1033.1006	1037.8054	1053.0898	1067.8950	1082.2759	1096.2573	1109.9688	1121.8210
3760.0	1033.1765	1036.3684	1041.0933	1056.4385	1071.2986	1085.7312	1099.7610	1113.5315	1125.5371
3770.0	1036.4336	1039.6401	1044.3862	1059.7920	1074.7070	1089.1904	1103.2720	1117.1003	1129.2644
3780.0	1039.6938	1042.9163	1047.6816	1063.1504	1078.1208	1092.6555	1106.7861	1120.6760	1133.0017
3790.0	1042.9580	1046.1958	1050.9822	1066.5125	1081.5388	1096.1259	1110.3069	1124.2573	1136.7498
3800.0	1046.2268	1049.4788	1054.2864	1069.8789	1084.9609	1099.6013	1113.8335	1127.8467	1140.5093
3810.0	1049.4995	1052.7661	1057.5945	1073.2498	1088.3887	1103.0813	1117.3647	1131.4421	1144.2795

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PRESSURE = 300.0000

TEMPERATURE / DEGREES R	FUEL/AIR RATIO 0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1052.7749	1056.0559	1060.9058	1076.6252	1091.8203	1106.5654	1120.9019	1135.0452	1148.0610
3830.0	1056.0537	1059.3506	1064.2224	1080.0046	1095.2576	1110.0559	1124.4451	1138.6550	1151.8540
3840.0	1059.3369	1062.6497	1067.5417	1083.3842	1098.6990	1113.5515	1127.9932	1142.2725	1155.6582
3850.0	1062.6238	1065.9521	1070.8665	1086.7766	1102.1450	1117.0522	1131.5488	1145.8975	1159.4739
3860.0	1065.9150	1069.2588	1074.1938	1090.1702	1105.5967	1120.5581	1135.1096	1149.5291	1163.3027
3870.0	1069.2109	1072.5693	1077.5269	1093.5686	1109.0532	1124.0703	1138.6775	1153.1699	1167.1436
3880.0	1072.5085	1075.8833	1080.8633	1096.9705	1112.5142	1127.5867	1142.2505	1156.8174	1170.9954
3890.0	1075.8115	1079.2021	1084.2043	1100.3782	1115.9822	1131.1108	1145.8306	1160.4749	1174.8606
3900.0	1079.1184	1082.5256	1087.5498	1103.7898	1119.4539	1134.6387	1149.4165	1164.1389	1178.7383
3910.0	1082.4282	1085.8525	1090.8997	1107.2065	1122.9316	1138.1736	1153.0100	1167.8130	1182.6289
3920.0	1085.7432	1089.1831	1094.2534	1110.6282	1126.4138	1141.7136	1156.6089	1171.4944	1186.5320
3930.0	1089.0625	1092.5188	1097.6121	1114.0547	1129.9021	1145.2600	1160.2153	1175.1848	1190.4480
3940.0	1092.3853	1095.8584	1100.9749	1117.4871	1133.3955	1148.8130	1163.8289	1178.8848	1194.3777
3950.0	1095.7119	1099.2024	1104.3428	1120.9236	1136.8950	1152.3718	1167.4495	1182.5935	1198.3213
3960.0	1099.0435	1102.5503	1107.7141	1124.3655	1140.3992	1155.9368	1171.0771	1186.3118	1202.2773
3970.0	1102.3792	1105.9033	1111.0911	1127.8132	1143.9109	1159.5085	1174.7124	1190.0391	1206.2485
3980.0	1105.7185	1109.2605	1114.4714	1131.2649	1147.4258	1163.0857	1178.3545	1193.7769	1210.2332
3990.0	1109.0630	1112.6223	1117.8579	1134.7222	1150.9485	1166.6694	1182.0049	1197.5239	1214.2317
4000.0	1112.4114	1115.9885	1121.2480	1138.1858	1154.4773	1170.2612	1185.6628	1201.2825	1218.2444

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PRESSURE = 400.0000

TEMPERATURE / FUEL/AIR RATIO									
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
2760.0	726.1938	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3869
2820.0	743.8214	745.8665	748.9199	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
2890.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
2900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
2910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2920.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
2930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.755
2940.0	779.1865	781.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0452
2950.0	782.1399	784.3335	787.6089	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354
2960.0	785.0942	787.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
2970.0	788.0500	790.2666	793.5767	804.4675	815.1467	825.6208	835.8960	845.9766	852.9209
2980.0	791.0065	793.2349	796.5623	807.5098	818.2446	828.7732	839.1021	849.2351	856.2153
2990.0	793.9639	796.2039	799.5481	810.5525	821.3435	831.9265	842.3088	852.4946	859.5112
3000.0	796.9224	799.1738	802.5356	813.5969	824.4436	835.0813	845.5173	855.7559	862.8086
3010.0	799.8818	802.1448	805.5237	816.6421	827.5444	838.2371	848.7268	859.0178	866.1069
3020.0	802.8425	805.1169	808.5134	819.6887	830.6467	841.3945	851.9377	862.2817	869.4070
3030.0	805.8037	808.0901	811.5039	822.7358	833.7502	844.5525	855.1497	865.5466	872.7083
3040.0	808.7666	811.0642	814.4954	825.7849	836.8550	847.7122	858.3633	868.8130	876.0110
3050.0	811.7297	814.0391	817.4875	828.8342	839.9604	850.8728	861.5779	872.0803	879.3149
3060.0	814.6941	817.0154	820.4812	831.8850	843.0671	854.0347	864.7935	875.3491	882.6201
3070.0	817.6599	819.9927	823.4758	834.9370	846.1753	857.1978	868.0107	878.6194	885.9270
3080.0	820.6262	822.9707	826.4714	837.9897	849.2844	860.3621	871.2292	881.8909	889.2349
3090.0	823.5940	825.9500	829.4683	841.0439	852.3950	863.5276	874.4492	885.1638	892.5447
3100.0	826.5620	828.9297	832.4656	844.0996	855.5061	866.6941	877.6697	888.4375	895.8550
3110.0	829.5315	831.9111	835.4641	847.1548	858.6187	869.8618	880.8916	891.7129	899.1667
3120.0	832.5022	834.8933	838.4639	850.2124	861.7327	873.0313	884.1152	894.9897	902.4805
3130.0	835.4734	837.8762	841.4644	853.2703	864.8472	876.2012	887.3398	898.2673	905.7949
3140.0	838.4458	840.8604	844.4661	856.3296	867.9631	879.3726	890.5657	901.5466	909.1111
3150.0	841.4194	843.8459	847.4690	859.3906	871.0806	882.5454	893.7930	904.8276	912.4287
3160.0	844.3940	846.8320	850.4729	862.4521	874.1987	885.7192	897.0215	908.1094	915.7476
3170.0	847.3694	849.8196	853.4778	865.5149	877.3181	888.8945	900.2512	911.3928	919.0676
3180.0	850.3457	852.8074	856.4834	868.5784	880.4385	892.0706	903.4817	914.6770	922.3887
3190.0	853.3230	855.7966	859.4902	871.6433	883.5601	895.2480	906.7139	917.9629	925.7117
3200.0	856.3015	858.7869	862.4983	874.7092	886.6831	898.4265	909.9475	921.2500	929.0356
3210.0	859.2808	861.7781	865.5071	877.7761	889.8069	901.6062	913.1821	924.5383	932.3611
3220.0	862.2612	864.7705	868.5168	880.8440	892.9321	904.7874	916.4180	927.8279	935.6880
3230.0	865.2427	867.7637	871.5278	883.9136	896.0583	907.9700	919.6553	931.1194	939.0161
3240.0	868.2251	870.7578	874.5398	886.9834	899.1855	911.1531	922.8936	934.4114	942.3457
3250.0	871.2085	873.7532	877.5527	890.0549	902.3142	914.3379	926.1331	937.7051	945.6768
3260.0	874.1929	876.7493	880.5669	893.1272	905.4438	917.5237	92 .3738	941.0000	949.0085
3270.0	877.2808	879.8496	883.6846	896.2976	908.6643	920.7917	932.6863	944.3523	952.3911

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TEMPERATURE DEGREES R	FUEL/AIR RATIO 0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3200.0	880.3840	882.9666	886.8171	899.4832	911.9001	924.0732	936.0103	947.7134	955.7844
3290.0	883.4937	886.0857	889.9534	902.6721	915.1377	927.3577	939.3376	951.0781	959.1000
3300.0	886.6042	889.2068	893.0915	905.8645	918.3792	930.6448	942.6675	954.4453	962.5806
3310.0	889.7170	892.3328	896.2334	909.0588	921.6230	933.9353	945.9995	957.8154	965.9841
3320.0	892.8325	895.4595	899.3774	912.2556	924.8696	937.2275	949.3342	961.1877	969.3909
3330.0	895.9507	898.5894	902.5244	915.4556	928.1187	940.5227	952.6719	964.5632	972.8020
3340.0	899.0714	901.7219	905.6736	918.6577	931.3706	943.8210	956.0117	967.9407	976.2156
3350.0	902.1956	904.8574	908.8262	921.8635	934.6257	947.1216	959.3552	971.3210	979.6345
3360.0	905.3228	907.9958	911.9822	925.0720	937.8835	950.4258	962.7019	974.7058	983.0569
3370.0	908.4517	911.1365	915.1394	928.2832	941.1440	953.7319	966.0498	978.0911	986.4822
3380.0	911.5833	914.2808	918.2996	931.4968	944.4067	957.0415	969.4014	981.4800	989.9133
3390.0	914.7175	917.4270	921.4636	934.7136	947.6733	960.3533	972.7554	984.8721	993.3474
3400.0	917.8555	920.5762	924.6299	937.9333	950.9424	963.6694	976.1128	988.2671	996.7866
3410.0	920.9956	923.7275	927.7993	941.1560	954.2146	966.9868	979.4731	991.6650	1000.2288
3420.0	924.1388	926.8833	930.9719	944.3821	957.4900	970.3083	982.8367	995.0657	1003.6775
3430.0	927.2844	930.0408	934.1465	947.6108	960.7681	973.6326	986.2031	998.4712	1007.1299
3440.0	930.4333	933.2014	937.3247	950.8423	964.0496	976.9595	989.5720	1001.8776	1010.5872
3450.0	933.5847	936.3650	940.5049	954.0767	967.3340	980.2898	992.9448	1005.2886	1014.0498
3460.0	936.7388	939.5317	943.6890	957.3152	970.6211	983.6228	996.3201	1008.7016	1017.5166
3470.0	939.8960	942.7012	946.8760	960.5554	973.9121	986.9595	999.6992	1012.1194	1020.9885
3480.0	943.0562	945.8730	950.0654	963.7993	977.2051	990.2991	1003.0803	1015.5398	1024.4658
3490.0	946.2195	949.0481	953.2588	967.0474	980.5032	993.6416	1006.4661	1018.9634	1027.9492
3500.0	949.3857	952.2268	956.4546	970.2991	983.8030	996.9890	1009.8545	1022.3921	1031.4377
3510.0	952.5537	955.4082	959.6536	973.5505	987.1062	1000.3381	1013.2458	1025.8230	1034.9319
3520.0	955.7261	958.5920	962.8555	976.8069	990.4126	1003.6904	1016.6406	1029.2573	1038.4319
3530.0	958.9011	961.7803	966.0608	980.0676	993.7234	1007.0474	1020.0391	1032.6958	1041.9373
3540.0	962.0789	964.9708	969.2688	983.3298	997.0361	1010.4063	1023.4417	1036.1375	1045.4500
3550.0	965.2593	968.1636	972.4802	986.5962	1000.3528	1013.7693	1026.8469	1039.5845	1048.9678
3560.0	968.4441	971.3604	975.6948	989.8662	1003.6721	1017.1357	1030.2566	1043.0337	1052.4927
3570.0	971.6316	974.5596	978.9128	993.1396	1006.9958	1020.5056	1033.6689	1046.4873	1056.0229
3580.0	974.8218	977.7629	982.1338	996.4140	1010.3230	1023.8794	1037.0852	1049.9456	1059.5605
3590.0	978.0149	980.9690	985.3569	999.6956	1013.6533	1027.2561	1040.5059	1053.4077	1063.1047
3600.0	981.2100	984.1780	988.5845	1002.9785	1016.9873	1030.6385	1043.9287	1056.8738	1066.6560
3610.0	984.4104	987.3911	991.8154	1006.2654	1020.3247	1034.0217	1047.3572	1060.3445	1070.2144
3620.0	987.6128	990.6057	995.0488	1009.5552	1023.6640	1037.4092	1050.7878	1063.8184	1073.7795
3630.0	990.8191	993.8252	998.2869	1012.8489	1027.0110	1040.8018	1054.2236	1067.2979	1077.3528
3640.0	994.0276	997.0464	1001.5278	1016.1460	1030.3594	1044.1965	1057.6628	1070.7815	1080.9338
3650.0	997.2400	1000.2727	1004.7722	1019.4473	1033.7114	1047.5962	1061.1069	1074.2705	1084.5217
3660.0	1000.4558	1003.5020	1008.0195	1022.7512	1037.0667	1050.9985	1064.5566	1077.7632	1088.1189
3670.0	1003.6746	1006.7336	1011.2700	1026.0601	1040.4268	1054.4067	1068.0063	1081.2617	1091.7222
3680.0	1006.8962	1009.9692	1014.5235	1029.3706	1043.7903	1057.8179	1071.4619	1084.7644	1095.3337
3690.0	1010.1223	1013.2073	1017.7820	1032.6865	1047.1575	1061.2336	1074.9221	1088.2717	1098.9546
3700.0	1013.3503	1016.4495	1021.0437	1036.0059	1050.5286	1064.6528	1078.3865	1091.7842	1102.5837
3710.0	1016.5823	1019.6951	1024.3074	1039.3291	1053.9030	1068.0764	1081.8555	1095.3015	1106.2205
3720.0	1019.8174	1022.9446	1027.5762	1042.6558	1057.2814	1071.5043	1085.3296	1098.8256	1109.8672
3730.0	1023.0566	1026.1963	1030.8477	1045.9858	1060.6663	1074.9363	1088.8066	1102.3530	1113.5227
3740.0	1026.2983	1029.4524	1034.1218	1049.3203	1064.0547	1078.3726	1092.2900	1105.8875	1117.1865
3750.0	1029.5444	1032.7126	1037.3986	1052.6587	1067.4440	1081.8137	1095.7771	1109.4268	1120.8604
3760.0	1032.7930	1035.9751	1040.6853	1056.000-	1070.8416	1085.2581	1099.2688	1112.9719	1124.5442
3770.0	1036.0452	1039.2417	1043.9722	1059.3466	1074.2412	1088.7060	1102.7661	1116.5229	1128.2361
3780.0	1039.3006	1042.5117	1047.2625	1062.6970	1077.6455	1092.1611	1106.2681	1120.0798	1131.9392
3790.0	1042.5614	1045.7859	1050.5566	1066.0510	1081.0532	1095.6199	1109.7744	1123.6428	1135.6509
3800.0	1045.8245	1049.0637	1053.8547	1069.4102	1084.4648	1099.0840	1113.2871	1127.2122	1139.3735
3810.0	1049.0916	1052.3447	1057.1560	1072.7725	1087.8843	1102.5522	1116.8042	1130.7876	1143.1060

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PRESSURE = 400.0000

TEMPERATURE / FUEL/AIR RATIO		ENTHALPY									
DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1052.3414	1055.6206	1060.4614	1074.1384	1091.3059	1106.0247	1120.3264	1134.3894	1144.8486
3830.0	1055.6350	1058.9105	1063.7703	1079.5095	1094.7322	1109.5027	1121.8535	1137.9583	1150.6028
3840.0	1058.9119	1062.2109	1067.0833	1082.8843	1098.1628	1112.9849	1127.3470	1141.5527	1154.3685
3850.0	1062.1936	1065.5066	1070.4011	1086.2642	1101.5981	1116.4722	1130.9258	1145.1563	1158.1416
3860.0	1065.4744	1068.8066	1073.7217	1089.6482	1105.0384	1119.9648	1134.4697	1148.7632	1161.9270
3870.0	1068.7674	1072.1104	1077.0469	1093.0356	1108.4832	1123.4626	1138.0190	1152.3784	1165.7251
3880.0	1072.0694	1075.4180	1080.3750	1096.4285	1111.9326	1126.9653	1141.5742	1156.0012	1169.5330
3890.0	1075.3657	1078.7302	1083.7085	1099.8262	1115.3870	1130.4734	1145.1372	1159.6329	1173.3535
3900.0	1078.6560	1082.0457	1087.0457	1103.2268	1118.8462	1133.9871	1148.7061	1163.2685	1177.1851
3910.0	1081.9600	1085.3652	1090.3872	1106.6333	1122.3105	1137.5056	1152.2764	1166.9144	1181.0281
3920.0	1085.2672	1088.6887	1093.7324	1110.0439	1125.7800	1141.0303	1155.8564	1170.5684	1184.8833
3930.0	1088.5793	1092.0156	1097.0820	1113.4592	1129.2539	1144.5601	1159.4419	1174.2290	1188.7515
3940.0	1091.8948	1095.3479	1100.4360	1116.8794	1132.7336	1148.0952	1163.0362	1177.8977	1192.6311
3950.0	1095.2136	1098.6829	1103.7939	1120.3049	1136.2185	1151.6365	1166.6331	1181.5762	1196.5225
3960.0	1098.5378	1102.0225	1107.1560	1123.7346	1139.7087	1155.1833	1170.2380	1185.2620	1200.4275
3970.0	1101.8660	1105.3660	1110.5234	1127.1687	1143.2034	1158.7363	1173.8501	1188.9563	1204.3457
3980.0	1105.1963	1108.7146	1113.8943	1130.6079	1146.7041	1162.2944	1177.4688	1192.6592	1208.2759
3990.0	1108.5317	1112.0667	1117.2700	1134.0518	1150.2100	1165.8594	1181.0940	1196.3718	1212.2188
4000.0	1111.8713	1115.4238	1120.6501	1137.5012	1153.7219	1169.4302	1184.7275	1200.0933	1216.1754

ENTHALPY

PRESSURE = 500.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
2740.0	720.3254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
2750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
2760.0	726.1934	728.1704	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
2770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
2780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
2790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
2800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
2810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
2820.0	743.8216	745.8665	748.9195	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
2830.0	746.7634	748.8194	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
2840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
2850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5234	806.9778	813.4905
2860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
2870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
2880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
2890.0	764.4336	766.5588	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
2900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
2910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
2920.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
2930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
2940.0	779.1865	781.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0452
2950.0	782.1399	784.3335	787.6089	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354
2960.0	785.0942	787.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
2970.0	788.0500	790.2666	793.5767	804.4675	815.1467	825.6208	835.8960	845.9766	852.9209
2980.0	791.0066	793.2349	796.5623	807.5098	818.2448	828.7732	839.1021	849.2351	856.2153
2990.0	793.9639	796.2039	799.5481	810.5525	821.3435	831.9265	842.3088	852.4946	859.5112
3000.0	796.9224	799.1738	802.5356	813.5969	824.4436	835.0813	845.5173	855.7559	862.8086
3010.0	799.8818	802.1448	805.5237	816.6421	827.5444	838.2371	848.7268	859.0178	866.1069
3020.0	802.8425	805.1169	808.5134	819.6887	830.6467	841.3945	851.9377	862.2817	869.4070
3030.0	805.8037	808.0901	811.5039	822.7358	833.7502	844.5525	855.1497	865.5466	872.7083
3040.0	808.7666	811.0642	814.4954	825.7849	836.8550	847.7122	858.3633	868.8130	876.0110
3050.0	811.7297	814.0391	817.4875	828.8342	839.9604	850.8728	861.5779	872.0803	879.3149
3060.0	814.6941	817.0154	820.4812	831.8857	843.0671	854.0367	864.7935	875.3491	882.6201
3070.0	817.6599	819.9927	823.4758	834.9370	846.1753	857.1978	868.0107	878.6194	885.9270
3080.0	820.6262	822.9707	826.4714	837.9897	849.2844	860.3621	871.2292	881.8909	889.2349
3090.0	823.5940	825.9500	829.4683	841.0439	852.3950	863.5276	874.4492	885.1638	892.5447
3100.0	826.5620	828.9297	832.4656	844.0986	855.5061	866.6941	877.6697	888.4375	895.8550
3110.0	829.5315	831.9111	835.4641	847.1548	858.6187	869.8618	880.8916	891.7129	899.1667
3120.0	832.5023	834.8933	838.4639	850.2124	861.7327	873.0313	884.1152	894.9897	902.4805
3130.0	835.4734	837.8762	841.4644	853.2703	864.8472	876.2012	887.3398	898.2673	905.7949
3140.0	838.4458	840.8604	844.4661	856.3296	867.9631	879.3726	890.5657	901.5466	909.1111
3150.0	841.4194	843.8459	847.4690	859.3906	871.0806	882.5454	893.7930	904.8276	912.4287
3160.0	844.3940	846.8320	850.4729	862.4521	874.1987	885.7192	897.0215	908.1094	915.7476
3170.0	847.3694	849.8196	853.4778	865.5149	877.3181	888.8945	900.2512	911.3928	919.0676
3180.0	850.3457	852.8074	856.4834	868.5784	880.4385	892.0706	903.4817	914.6770	922.3887
3190.0	853.3230	855.7966	859.4902	871.6433	883.5601	895.2480	906.7139	917.9629	925.7117
3200.0	856.3015	858.7869	862.4983	874.7092	886.6831	898.4265	909.9475	921.2500	929.0356
3210.0	859.2808	861.7781	865.5071	877.7761	889.8069	901.6062	913.1821	924.5383	932.3611
3220.0	862.2612	864.7705	868.5168	880.8440	892.9321	904.7874	916.4180	927.8279	935.6880
3230.0	865.2427	867.7637	871.5278	883.9136	896.0583	907.9700	919.6553	931.1194	939.0161
3240.0	868.2251	870.7578	874.5398	886.9834	899.1855	911.1531	922.8936	934.4114	942.3457
3250.0	871.2085	873.7532	877.5527	890.0549	902.3142	914.3379	926.1331	937.7051	945.6768
3260.0	874.1929	876.7491	880.5669	893.1272	905.4438	917.5237	929.3738	941.0000	949.0085
3270.0	877.1785	879.7468	883.5820	896.2009	908.5750	920.7107	932.6162	944.2964	952.3423

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ENTHALPY

PRESSURE = 500.0000

TEMPERATURE / DEGREES R	FUEL/AIR RATIO 0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
1280.0	880.1780	882.7581	886.6111	899.2881	911.7180	923.9089	935.8674	947.6006	955.6829
1290.0	883.2844	885.8765	889.7463	902.4761	914.9546	927.1917	939.1926	950.9631	959.0752
1300.0	886.3938	888.9980	892.8840	905.6660	918.1941	930.4775	942.5205	954.3274	962.4705
1310.0	889.5061	892.1213	896.0244	908.8591	921.4365	933.7659	945.8511	957.6958	965.8684
1320.0	892.6211	895.2478	899.1670	912.0549	924.6816	937.0564	949.1843	961.0647	969.2705
1330.0	895.7385	898.3765	902.3130	915.2534	927.9290	940.3499	952.5198	964.4375	972.6758
1340.0	898.8589	901.5083	905.4609	918.4541	931.1792	943.6460	955.8577	967.8125	976.0845
1350.0	901.9812	904.6431	908.6125	921.6582	934.4319	946.9448	959.1980	971.1904	979.4968
1360.0	905.1074	907.7800	911.7666	924.8655	937.6887	950.2471	962.5425	974.5718	982.9136
1370.0	908.2356	910.9199	914.9231	928.0750	940.9473	953.5508	965.8882	977.9546	986.3333
1380.0	911.3667	914.0627	918.0830	931.2874	944.2085	956.8584	969.2373	981.3403	989.7573
1390.0	914.5000	917.2078	921.2449	934.5027	947.4727	960.1682	972.5886	984.7290	993.1833
1400.0	917.6362	920.3557	924.4099	937.7205	950.7400	963.4807	975.9436	988.1211	996.6155
1410.0	920.7749	923.5066	927.5776	940.9412	954.0095	966.7966	979.3008	991.5159	1000.0513
1420.0	923.9177	926.6599	930.7488	944.1650	957.2827	970.1152	982.6611	994.9133	1003.4919
1430.0	927.0613	929.8144	933.9219	947.3923	960.5591	973.4368	986.0247	998.3142	1006.9370
1440.0	930.2100	932.9758	937.0984	950.6216	963.8376	976.7620	989.3911	1001.7170	1010.3855
1450.0	933.3596	936.1387	940.2773	953.8542	967.1196	980.0891	992.7603	1005.1233	1013.8386
1460.0	936.5122	939.3025	943.4595	957.0901	970.4050	983.4197	996.1321	1008.5332	1017.2966
1470.0	939.6687	942.4714	946.6450	960.3286	973.6939	986.7529	999.5076	1011.9460	1020.7595
1480.0	942.8271	945.6421	949.8323	963.5701	976.9839	990.0896	1002.8862	1015.3621	1024.2278
1490.0	945.9890	948.8157	953.0244	966.8154	980.2781	993.4294	1006.2683	1018.7815	1027.7009
1500.0	949.1533	951.9924	956.2185	970.0640	983.5759	996.7732	1009.6521	1022.2043	1031.1787
1510.0	952.3206	955.1719	959.4153	973.3142	986.8760	1000.1187	1013.0400	1025.6301	1034.6621
1520.0	955.4915	958.3545	962.6150	976.5684	990.1799	1003.4673	1016.4312	1029.0596	1038.1509
1530.0	958.6646	961.5403	965.8186	979.8259	993.4866	1006.8210	1019.8259	1032.4929	1041.6445
1540.0	961.8413	964.7285	969.0247	983.0854	996.7964	1010.1770	1023.2234	1035.9294	1045.1440
1550.0	965.0200	967.9202	972.2339	986.3499	1000.1096	1013.5356	1026.6249	1039.3699	1048.6504
1560.0	968.2024	971.1145	975.4463	989.6167	1003.4268	1016.8987	1030.0293	1042.8142	1052.1619
1570.0	971.3877	974.3127	978.6621	992.8865	1006.7466	1020.2642	1033.4375	1046.2617	1055.6792
1580.0	974.5759	977.5142	981.8806	996.1604	1010.0703	1023.6333	1036.8481	1049.7124	1059.2026
1590.0	977.7668	980.7175	985.1021	999.4363	1013.3962	1027.0061	1040.2629	1053.1677	1062.7319
1600.0	980.9614	983.9243	988.3269	1002.7146	1016.7266	1030.3823	1043.6821	1056.6267	1066.2668
1610.0	984.1587	987.1350	991.5552	1006.0007	1020.0603	1033.7622	1047.1045	1060.0901	1069.8120
1620.0	987.3594	990.3474	994.7859	1009.2869	1023.3967	1037.1453	1050.5308	1063.5579	1073.3618
1630.0	990.5627	993.5642	998.0212	1012.5769	1026.7380	1040.5325	1053.9600	1067.0295	1076.9187
1640.0	993.7698	996.7837	1001.2585	1015.8701	1030.0818	1043.9233	1057.3934	1070.5049	1080.4817
1650.0	996.9800	1000.0068	1004.5000	1019.1677	1033.4297	1047.3176	1060.8303	1073.9849	1084.0532
1660.0	1000.1929	1003.2324	1007.7456	1022.4683	1036.7808	1050.7156	1064.2717	1077.4692	1087.6304
1670.0	1003.4089	1006.4619	1010.9929	1025.7725	1040.1367	1054.1174	1067.7173	1080.9590	1091.2166
1680.0	1006.6279	1009.6943	1014.2439	1029.0803	1043.4946	1057.5227	1071.1667	1084.4521	1094.8098
1690.0	1009.8508	1012.9304	1017.4980	1032.3916	1046.8574	1060.9324	1074.6191	1087.9500	1098.4106
1700.0	1013.0771	1016.1697	1020.7563	1035.7063	1050.2234	1064.3462	1078.0771	1091.4539	1102.0203
1710.0	1016.3071	1019.4126	1024.0171	1039.0239	1053.5930	1067.7637	1081.5378	1094.9609	1105.6367
1720.0	1019.5393	1022.6582	1027.2822	1042.3464	1056.9673	1071.1851	1085.0042	1098.4744	1109.2615
1730.0	1022.7747	1025.9070	1030.5503	1045.6719	1060.3452	1074.6094	1088.4744	1101.9907	1112.8953
1740.0	1026.0139	1029.1599	1033.8218	1049.0022	1063.7266	1078.0398	1091.9487	1105.5142	1116.5371
1750.0	1029.2566	1032.4167	1037.0984	1052.3354	1067.1125	1081.4741	1095.4277	1109.0420	1120.1880
1760.0	1032.5015	1035.6750	1040.3765	1055.6726	1070.5024	1084.9119	1098.9116	1112.5747	1123.8472
1770.0	1035.7512	1038.9385	1043.6592	1059.0129	1073.8953	1088.3535	1102.3994	1116.1133	1127.5154
1780.0	1039.0044	1042.2053	1046.9448	1062.3586	1077.2930	1091.7998	1105.8916	1119.6570	1131.1931
1790.0	1042.2603	1045.4749	1050.2351	1065.7065	1080.6951	1095.2510	1109.3887	1123.2073	1134.8796
1800.0	1045.5203	1048.7493	1053.5278	1069.0601	1084.1018	1098.7063	1112.8914	1126.7629	1138.5759
1810.0	1048.7832	1052.0261	1056.8262	1072.4170	1087.5120	1102.1665	1116.3984	1130.3242	1142.2822

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PRESSURE = 500.0000

TEMPERATURE, DEGREES R / FUEL/AIR RATIO	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1052.0488	1055.3064	1060.1265	1075.7773	1090.9258	1105.6301	1119.9104	1133.8921	1145.9976
3830.0	1055.3196	1058.5916	1063.4307	1079.1423	1094.3452	1109.0991	1123.4277	1137.4651	1149.7231
3840.0	1058.5925	1061.8787	1066.7385	1082.5103	1097.7683	1112.5723	1126.9497	1141.0437	1153.4583
3850.0	1061.8694	1065.1707	1070.0505	1085.8845	1101.1960	1116.0510	1130.4766	1144.6292	1157.2039
3860.0	1065.1504	1068.4661	1073.3677	1089.2617	1104.6282	1119.5337	1134.0083	1148.2217	1160.9595
3870.0	1068.4351	1071.7554	1076.6870	1092.6428	1108.0647	1121.0220	1137.5469	1151.8206	1164.7263
3880.0	1071.7231	1075.0684	1080.0103	1096.0281	1111.5059	1124.5139	1141.0901	1155.4258	1168.5034
3890.0	1075.0146	1078.3750	1083.3376	1099.4182	1114.9514	1130.0127	1144.6384	1159.0383	1172.2915
3900.0	1078.3101	1081.6851	1086.6697	1102.8123	1118.4016	1131.5146	1148.1924	1162.6572	1176.0903
3910.0	1081.6042	1084.9995	1090.0056	1106.2107	1121.8569	1137.0229	1151.7524	1166.2834	1179.8999
3920.0	1084.9114	1088.3176	1093.3438	1109.6135	1125.3167	1140.5354	1155.3174	1169.9172	1183.7209
3930.0	1088.2175	1091.6394	1096.6880	1113.0208	1128.7813	1144.0537	1158.8892	1173.5574	1187.5535
3940.0	1091.5281	1094.9648	1100.0354	1116.4329	1132.2505	1147.5769	1162.4663	1177.2056	1191.3975
3950.0	1094.8425	1098.2944	1103.3865	1119.8494	1135.7253	1151.1060	1166.0493	1180.8613	1195.2532
3960.0	1098.1609	1101.6296	1106.7429	1123.2708	1139.2048	1154.6409	1169.6394	1184.5251	1199.1211
3970.0	1101.4824	1104.9673	1110.1035	1126.6968	1142.6897	1158.1804	1173.2349	1188.1968	1203.0010
3980.0	1104.8076	1108.3093	1113.4686	1130.1267	1146.1787	1161.7258	1176.8369	1191.8765	1206.8918
3990.0	1108.1379	1111.6543	1116.8347	1133.5618	1149.6738	1165.2769	1180.4460	1195.5647	1210.7961
4000.0	1111.4727	1115.0049	1120.2080	1137.0020	1153.1738	1168.8337	1184.0613	1199.2607	1214.7129

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PRESSURE = 600.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
740.0	720.1254	722.2795	725.1975	734.7991	744.2141	753.4480	762.5066	771.3938	777.5159
750.0	723.2593	725.2249	728.1597	737.8167	747.2859	756.5732	765.6841	774.6226	780.7798
760.0	726.1918	728.1784	731.1223	740.8347	750.3584	759.6990	768.8623	777.8521	784.0447
770.0	729.1292	731.1172	734.0859	743.8538	753.4319	762.8259	772.0417	781.0830	787.3110
780.0	732.0652	734.0647	737.0503	746.8738	756.5066	765.9541	775.2222	784.3149	790.5784
790.0	735.0032	737.0142	740.0164	749.8955	759.5830	769.0840	778.4048	787.5488	793.8479
800.0	737.9419	739.9639	742.9834	752.9182	762.6602	772.2146	781.5879	790.7837	797.1182
810.0	740.8813	742.9148	745.9509	755.9417	765.7383	775.3467	784.7722	794.0198	800.3899
820.0	743.8213	745.8665	748.9198	758.9663	768.8176	778.4795	787.9580	797.2571	803.6628
830.0	746.7634	748.8196	751.8899	761.9922	771.8984	781.6140	791.1453	800.4961	806.9375
840.0	749.7061	751.7737	754.8608	765.0190	774.9802	784.7495	794.3335	803.7363	810.2131
850.0	752.6497	754.7288	757.8330	768.0471	778.0632	787.8865	797.5236	806.9778	813.4905
860.0	755.5940	757.6846	760.8059	771.0762	781.1472	791.0244	800.7144	810.2205	816.7690
870.0	758.5398	760.6414	763.7800	774.1064	784.2324	794.1636	803.9063	813.4646	820.0488
880.0	761.4861	763.5994	766.7546	777.1375	787.3186	797.3035	807.0994	816.7097	823.3296
890.0	764.4336	766.5586	769.7310	780.1699	790.4060	800.4456	810.2942	819.9565	826.6123
900.0	767.3823	769.5186	772.7080	783.2034	793.4949	803.5881	813.4900	823.2043	829.8962
910.0	770.3320	772.4795	775.6865	786.2378	796.5845	806.7322	816.6870	826.4536	833.1814
920.0	773.2820	775.4412	778.6653	789.2732	799.6750	809.8770	819.8853	829.7041	836.4678
930.0	776.2339	778.4045	781.6455	792.3101	802.7673	813.0237	823.0852	832.9561	839.7556
940.0	779.1865	781.3687	784.6270	795.3479	805.8606	816.1711	826.2861	836.2092	843.0452
950.0	782.1399	784.3335	787.6089	798.3865	808.9546	819.3196	829.4880	839.4636	846.3354
960.0	785.0942	787.2996	790.5923	801.4263	812.0503	822.4695	832.6914	842.7195	849.6272
970.0	788.0500	790.2666	793.5767	804.4675	815.1467	825.6208	835.8960	845.9766	852.9209
980.0	791.0066	793.2349	796.5623	807.5098	818.2446	828.7732	839.1021	849.2351	856.2153
990.0	793.9639	796.2039	799.5491	810.5525	821.3435	831.9269	842.3088	852.4946	859.5112
1000.0	796.9224	799.1738	802.5356	813.5969	824.4436	835.0813	845.5173	855.7559	862.8086
1010.0	799.8818	802.1448	805.5237	816.6421	827.5444	838.2371	848.7268	859.0178	866.1069
1020.0	802.8425	805.1169	808.5134	819.6887	830.6467	841.3942	851.9377	862.2817	869.4070
1030.0	805.8037	808.0901	811.5039	822.7358	833.7502	844.5529	855.1497	865.5466	872.7083
1040.0	808.7664	811.0642	814.4956	825.7849	836.8550	847.7122	858.3633	868.8130	876.0110
1050.0	811.7297	814.0391	817.4875	828.8342	839.9604	850.8729	861.5779	872.0803	879.3149
1060.0	814.6941	817.0154	820.4812	831.8850	843.0671	854.0347	864.7935	875.3491	882.6201
1070.0	817.6599	819.9927	823.4758	834.9370	846.1753	857.1978	868.0107	878.6194	885.9270
1080.0	820.6262	822.9707	826.4714	837.9897	849.2844	860.3621	871.2292	881.8909	889.2348
1090.0	823.5940	825.9500	829.4683	841.0439	852.3950	863.5276	874.4492	885.1638	892.5447
1100.0	826.5620	828.9297	832.4656	844.0986	855.5061	866.6941	877.6697	888.4375	895.8550
1110.0	829.5315	831.9111	835.4641	847.1548	858.6187	869.8619	880.8916	891.7129	899.1667
1120.0	832.5022	834.8933	838.4639	850.2124	861.7327	873.0313	884.1152	894.9897	902.4805
1130.0	835.4734	837.8762	841.4644	853.2703	864.8472	876.2012	887.3398	898.2673	905.7949
1140.0	838.4458	840.8604	844.4661	856.3296	867.9631	879.3726	890.5657	901.5466	909.1111
1150.0	841.4194	843.8459	847.4690	859.3906	871.0806	882.5454	893.7930	904.8276	912.4287
1160.0	844.3940	846.8320	850.4729	862.4521	874.1987	885.7192	897.0215	908.1094	915.7478
1170.0	847.3694	849.8196	853.4778	865.5149	877.3181	888.8945	900.2512	911.3928	919.0676
1180.0	850.3457	852.8074	856.4834	868.5784	880.4385	892.0706	903.4817	914.6770	922.3887
1190.0	853.3230	855.7966	859.4902	871.6433	883.5601	895.2480	906.7139	917.9629	925.7117
1200.0	856.3015	858.7869	862.4983	874.7095	886.6831	898.4268	909.9475	921.2500	929.0356
1210.0	859.2808	861.7781	865.5071	877.7761	889.8069	901.6062	913.1821	924.5383	932.3611
1220.0	862.2612	864.7705	868.5168	880.8440	892.9321	904.7874	916.4180	927.8279	935.6880
3230.0	865.2427	867.7637	871.5278	883.9136	896.0583	907.9700	919.6553	931.1194	939.0161
3240.0	868.2251	870.7578	874.5398	886.9834	899.1855	911.1531	922.8936	934.4114	942.3457
3250.0	871.2085	873.7532	877.5527	890.0549	902.3142	914.3379	926.1331	937.7051	945.6768
3260.0	874.1929	876.7493	880.5669	893.1272	905.4438	917.5237	929.3738	941.0000	949.0085
3270.0	877.1785	879.7468	883.5820	896.2009	908.5750	920.7107	932.6162	944.2964	952.3423

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TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3280.0	880.1650	882.7451	886.5981	899.2754	911.7068	923.8989	935.8596	947.5940	955.6772
3290.0	883.1523	885.7444	889.6152	902.3511	914.8398	927.0881	939.1045	950.8928	959.0134
3300.0	886.1417	888.8254	892.7134	905.5039	918.0444	930.3428	942.4041	954.2339	962.3872
3310.0	889.1335	891.9487	895.8535	908.6960	921.2856	933.6294	945.7327	957.6001	965.7825
3320.0	892.1273	895.0747	898.9954	911.8909	924.5291	936.9189	949.0645	960.9680	969.1804
3330.0	895.1240	898.2029	902.1409	915.0881	927.7756	940.2109	952.3987	964.3391	972.5825
3340.0	898.1231	901.3335	905.2881	918.2874	931.0247	943.5056	955.7346	967.7119	975.9871
3350.0	901.1246	904.4675	908.4382	921.4902	934.2764	946.8030	959.0735	971.0872	979.3965
3360.0	904.1287	907.6035	911.5920	924.6968	937.5315	950.1035	962.4158	974.4666	982.8089
3370.0	908.1583	910.7424	914.7471	927.9041	940.7883	953.4053	965.7600	977.8472	986.2214
3380.0	911.1885	913.8838	917.9060	931.1160	944.0481	956.7114	969.1072	981.2310	989.6404
3390.0	914.1908	917.0283	921.0662	934.3301	947.3108	960.0190	972.4568	984.6172	993.0632
3400.0	917.1958	920.1760	924.2310	937.5461	950.5764	963.3311	975.8096	988.0071	996.4897
3410.0	920.1952	923.3257	927.3977	940.7656	953.8452	966.6445	979.1650	991.3982	999.9194
3420.0	923.1961	926.4790	930.5676	943.9885	957.1165	969.9614	982.5234	994.7930	1003.3538
3430.0	926.1801	929.6343	933.7395	947.2136	960.3914	973.2813	985.8848	998.1909	1006.7930
3440.0	930.0264	932.7922	936.9146	950.4417	963.6680	976.6035	989.2483	1001.5916	1010.2351
3450.0	933.1758	935.9529	940.0930	953.6729	966.9480	979.9287	992.6152	1004.9951	1013.6826
3460.0	936.1791	939.1177	943.2737	956.9070	970.2312	983.2573	995.9849	1008.4014	1017.1335
3470.0	939.1824	942.2844	946.4578	960.1443	973.5173	986.5889	999.3574	1011.8110	1020.5891
3480.0	942.6406	945.4536	949.6445	963.3840	976.8059	989.9231	1002.7334	1015.2244	1024.0496
3490.0	945.8010	948.6262	952.8347	966.6274	980.0986	993.2603	1006.1121	1018.6396	1027.5149
3500.0	948.8646	951.8020	956.0276	969.8738	983.3940	996.6013	1009.4941	1022.0588	1030.9851
3510.0	952.1304	954.9800	959.2227	973.1221	986.6919	999.9451	1012.8789	1025.4819	1034.4609
3520.0	955.2993	958.1609	962.4211	976.3752	989.9929	1003.2915	1016.2668	1028.9065	1037.9404
3530.0	958.4719	961.3455	965.6235	979.6299	993.2981	1006.6416	1019.6587	1032.3364	1041.4263
3540.0	961.6495	964.5325	968.8274	982.8887	996.6055	1009.9939	1023.0530	1035.7678	1044.9170
3550.0	964.8242	967.7229	972.0347	986.1501	999.9165	1013.3506	1026.4507	1039.2043	1048.4133
3560.0	968.0054	970.9158	975.2454	989.4150	1003.2307	1016.7102	1029.8516	1042.6433	1051.9148
3570.0	971.1897	974.1123	978.4595	992.6826	1006.5474	1020.0728	1033.2559	1046.0867	1055.4224
3580.0	974.3765	977.3108	981.6770	995.9539	1009.8687	1023.4395	1036.6638	1049.5330	1058.9346
3590.0	977.5659	980.5132	984.8962	999.2280	1013.1921	1026.8088	1040.0750	1052.9832	1062.4541
3600.0	980.7595	983.7188	988.1194	1002.5056	1016.5193	1030.1819	1043.4895	1056.4373	1065.9800
3610.0	983.9556	986.9277	991.3452	1005.7866	1019.8506	1033.5586	1046.9082	1059.8953	1069.5112
3620.0	987.1534	990.1387	994.5745	1009.0708	1023.1838	1036.9375	1050.3296	1063.3569	1073.0491
3630.0	990.3564	993.3530	997.8079	1012.3586	1026.5217	1040.3206	1053.7544	1066.8232	1076.5930
3640.0	993.5617	996.5710	1001.0430	1015.6487	1029.8625	1043.7078	1057.1833	1070.2922	1080.1438
3650.0	996.7693	999.7920	1004.2822	1018.9434	1033.2073	1047.0986	1060.6167	1073.7664	1083.7017
3660.0	999.9802	1003.0154	1007.5244	1022.2410	1036.5547	1050.4924	1064.0532	1077.2446	1087.2661
3670.0	1003.1946	1006.2429	1010.7695	1025.5422	1039.9067	1053.8904	1067.4934	1080.7273	1090.8386
3680.0	1006.4119	1009.4734	1014.0183	1028.8464	1043.2615	1057.2913	1070.9377	1084.2136	1094.4170
3690.0	1009.6335	1012.7070	1017.2715	1032.1548	1046.6201	1060.6960	1074.3853	1087.7051	1098.0032
3700.0	1012.8589	1015.9443	1020.5266	1035.4673	1049.9827	1064.1055	1077.8379	1091.2002	1101.5976
3710.0	1016.0837	1019.1846	1023.7849	1038.7813	1053.3479	1067.5181	1081.2932	1094.7002	1105.1980
3720.0	1019.3161	1022.4287	1027.0479	1042.1003	1056.7192	1070.9348	1084.7539	1098.2051	1108.8071
3730.0	1022.5476	1025.6748	1030.3127	1045.4224	1060.0913	1074.3555	1088.2175	1101.7146	1112.4243
3740.0	1025.7852	1028.9248	1033.5828	1048.7483	1063.4690	1077.7800	1091.6865	1105.2292	1116.0491
3750.0	1029.0251	1032.1790	1036.8547	1052.0779	1066.8506	1081.2078	1095.1597	1108.7483	1119.6824
3760.0	1032.2731	1035.4353	1040.1309	1055.4114	1070.2351	1084.6404	1098.6355	1112.2727	1123.3232
3770.0	1035.5149	1038.6953	1043.4094	1058.7483	1073.6238	1088.0774	1102.1167	1115.8015	1126.9736
3780.0	1038.7651	1041.9590	1046.6924	1062.0896	1077.0165	1091.5181	1105.6023	1119.3362	1130.6321
3790.0	1042.0186	1045.2261	1049.9790	1065.4338	1080.4136	1094.9631	1109.0930	1122.8765	1134.2996
3800.0	1045.2754	1048.4978	1053.2690	1068.7822	1083.8145	1098.4124	1112.5876	1126.4219	1137.9763
3810.0	1048.5356	1051.7717	1056.5627	1072.1348	1087.2200	1101.8667	1116.0874	1129.9724	1141.6616

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ENTHALPY

PRESSURE = 600.0000

TEMPERATURE / DEGREES R	FUEL/AIR RATIO 0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
3820.0	1051.7998	1055.0488	1059.8601	1075.4919	1090.6292	1105.3240	1119.5916	1133.5288	1145.3555
3830.0	1055.0664	1058.3311	1063.1604	1078.8518	1094.0432	1108.7861	1123.1003	1137.0913	1149.0601
3840.0	1058.3364	1061.6147	1066.4656	1082.2153	1097.4592	1112.2524	1126.6135	1140.6544	1152.7739
3850.0	1061.6116	1064.9036	1069.7739	1085.5840	1100.8813	1115.7239	1130.1331	1144.2324	1156.4973
3860.0	1064.8889	1068.1951	1073.0859	1088.9558	1104.3071	1119.2004	1133.6565	1147.8120	1160.2297
3870.0	1068.1702	1071.4919	1076.4014	1092.3325	1107.7383	1122.6807	1137.1853	1151.3984	1163.9727
3880.0	1071.4543	1074.7908	1079.7202	1095.7122	1111.1731	1126.1653	1140.7188	1154.9907	1167.7258
3890.0	1074.7429	1078.0938	1083.0447	1099.0974	1114.6118	1129.6550	1144.2578	1158.5898	1171.4893
3900.0	1078.0349	1081.3994	1086.3716	1102.4854	1118.0557	1133.1499	1147.8027	1162.1946	1175.2625
3910.0	1081.3306	1084.7100	1089.7026	1105.8784	1121.5042	1136.6501	1151.3518	1165.8064	1179.0466
3920.0	1084.6289	1088.0232	1093.0381	1109.2754	1124.9561	1140.1543	1154.9063	1169.4250	1182.8423
3930.0	1087.9314	1091.3418	1096.3755	1112.6770	1128.4138	1143.6638	1158.4673	1173.0505	1186.6484
3940.0	1091.2375	1094.6636	1099.7192	1116.0820	1131.8762	1147.1782	1162.0337	1176.6831	1190.4644
3950.0	1094.5483	1097.9888	1103.0664	1119.4929	1135.3425	1150.6980	1165.6050	1180.3220	1194.2917
3960.0	1097.8623	1101.3175	1106.4163	1122.9080	1138.8145	1154.2227	1169.1831	1183.9692	1198.1313
3970.0	1101.1809	1104.6511	1109.7725	1126.3244	1142.2917	1157.7524	1172.7671	1187.6238	1201.9817
3980.0	1104.5012	1107.9883	1113.1306	1129.7500	1145.7725	1161.2881	1176.3562	1191.2861	1205.8440
3990.0	1107.8267	1111.3298	1116.4937	1133.1780	1149.2585	1164.8289	1179.9521	1194.9548	1209.7178
4000.0	1111.1558	1114.6748	1119.8613	1136.6108	1152.7500	1168.3750	1183.5544	1198.6328	1213.6028

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Table 5. Entropy of $C_nH_{1.95n}$/Air Exhaust Gas for Various Temperatures and Pressures

Temperature Range: 600 to 4,000°R

0.1 to 600.0 psia [redacted]

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ENTROPY

PRESSURE = 0.1000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	2.0139	2.0156	2.0178	2.0233	2.0269	2.0289	2.0295	2.0284	2.0257
700.0	2.0520	2.0538	2.0561	2.0620	2.0659	2.0683	2.0693	2.0685	2.0661
800.0	2.0850	2.0868	2.0893	2.0955	2.0998	2.1025	2.1038	2.1034	2.1012
900.0	2.1138	2.1157	2.1182	2.1248	2.1294	2.1325	2.1341	2.1340	2.1320
1000.0	2.1398	2.1418	2.1444	2.1513	2.1563	2.1597	2.1616	2.1618	2.1600
1100.0	2.1639	2.1659	2.1686	2.1759	2.1811	2.1848	2.1871	2.1875	2.1860
1200.0	2.1862	2.1883	2.1911	2.1987	2.2042	2.2082	2.2107	2.2115	2.2101
1300.0	2.2070	2.2091	2.2120	2.2199	2.2257	2.2300	2.2328	2.2338	2.2326
1400.0	2.2263	2.2285	2.2316	2.2397	2.2458	2.2503	2.2534	2.2547	2.2537
1500.0	2.2445	2.2468	2.2499	2.2583	2.2646	2.2694	2.2728	2.2743	2.2735
1600.0	2.2617	2.2640	2.2672	2.2759	2.2825	2.2875	2.2911	2.2929	2.2922
1700.0	2.2781	2.2805	2.2837	2.2926	2.2995	2.3048	2.3086	2.3106	2.3101
1800.0	2.2939	2.2963	2.2996	2.3088	2.3159	2.3215	2.3255	2.3277	2.3274
1900.0	2.3087	2.3111	2.3145	2.3239	2.3313	2.3371	2.3413	2.3438	2.3436
2000.0	2.3232	2.3257	2.3292	2.3388	2.3464	2.3524	2.3569	2.3596	2.3596
2150.0	2.3439	2.3465	2.3500	2.3600	2.3679	2.3743	2.3791	2.3821	2.3823
2200.0	2.3504	2.3531	2.3567	2.3667	2.3748	2.3812	2.3861	2.3893	2.3895
2250.0	2.3568	2.3595	2.3631	2.3733	2.3815	2.3880	2.3931	2.3963	2.3966
2300.0	2.3631	2.3658	2.3694	2.3797	2.3880	2.3947	2.3998	2.4031	2.4035
2350.0	2.3692	2.3719	2.3756	2.3860	2.3944	2.4012	2.4064	2.4098	2.4103
2400.0	2.3752	2.3779	2.3816	2.3922	2.4007	2.4075	2.4129	2.4164	2.4169
2450.0	2.3811	2.3838	2.3876	2.3982	2.4068	2.4138	2.4192	2.4228	2.4234
2500.0	2.3868	2.3896	2.3934	2.4041	2.4128	2.4199	2.4254	2.4291	2.4298
2550.0	2.3925	2.3953	2.3991	2.4100	2.4187	2.4259	2.4316	2.4354	2.4361
2600.0	2.3981	2.4009	2.4048	2.4157	2.4246	2.4319	2.4376	2.4415	2.4424
2650.0	2.4038	2.4066	2.4105	2.4215	2.4305	2.4379	2.4437	2.4477	2.4486
2700.0	2.4095	2.4123	2.4162	2.4274	2.4365	2.4439	2.4498	2.4539	2.4549
2750.0	2.4149	2.4178	2.4217	2.4330	2.4422	2.4497	2.4557	2.4599	2.4610
2800.0	2.4203	2.4232	2.4272	2.4385	2.4478	2.4555	2.4615	2.4658	2.4671
2850.0	2.4256	2.4286	2.4326	2.4440	2.4534	2.4612	2.4673	2.4717	2.4732
2900.0	2.4309	2.4339	2.4379	2.4495	2.4590	2.4668	2.4731	2.4776	2.4793
2950.0	2.4362	2.4392	2.4433	2.4550	2.4645	2.4725	2.4789	2.4835	2.4855
3000.0	2.4414	2.4444	2.4486	2.4604	2.4701	2.4781	2.4846	2.4894	2.4918
3050.0	2.4466	2.4496	2.4538	2.4658	2.4756	2.4837	2.4903	2.4953	2.4981
3100.0	2.4518	2.4548	2.4591	2.4711	2.4811	2.4893	2.4961	2.5012	2.5046
3150.0	2.4570	2.4600	2.4643	2.4765	2.4866	2.4950	2.5019	2.5072	2.5112
3200.0	2.4621	2.4652	2.4695	2.4819	2.4921	2.5006	2.5077	2.5134	2.5180
3250.0	2.4672	2.4704	2.4747	2.4873	2.4976	2.5064	2.5136	2.5196	2.5250
3300.0	2.4724	2.4756	2.4800	2.4927	2.5032	2.5121	2.5197	2.5261	2.5322
3350.0	2.4775	2.4808	2.4853	2.4982	2.5089	2.5180	2.5258	2.5327	2.5397
3400.0	2.4827	2.4860	2.4906	2.5037	2.5147	2.5241	2.5322	2.5397	2.5475
3450.0	2.4879	2.4913	2.4959	2.5093	2.5206	2.5302	2.5387	2.5469	2.5555
3500.0	2.4932	2.4967	2.5014	2.5151	2.5266	2.5366	2.5456	2.5545	2.5640
3550.0	2.4986	2.5021	2.5070	2.5210	2.5328	2.5432	2.5527	2.5624	2.5728
3600.0	2.5041	2.5077	2.5126	2.5270	2.5393	2.5502	2.5602	2.5709	2.5821
3650.0	2.5097	2.5134	2.5185	2.5333	2.5460	2.5574	2.5681	2.5798	2.5919
3700.0	2.5154	2.5192	2.5245	2.5398	2.5531	2.5650	2.5765	2.5893	2.6021
3750.0	2.5213	2.5252	2.5307	2.5466	2.5604	2.5731	2.5854	2.5993	2.6127
3800.0	2.5274	2.5315	2.5372	2.5537	2.5682	2.5816	2.5949	2.6099	2.6240
3850.0	2.5338	2.5380	2.5439	2.5612	2.5764	2.5907	2.6049	2.6211	2.6359
3900.0	2.5404	2.5448	2.5510	2.5691	2.5852	2.6003	2.6157	2.6330	2.6485
3950.0	2.5472	2.5519	2.5584	2.5774	2.5944	2.6106	2.6271	2.6456	2.6617
4000.0	2.5545	2.5594	2.5662	2.5862	2.6043	2.6215	2.6392	2.6589	2.6755

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ENTROPY

PRESSURE = 0.5000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	1.9035	1.9051	1.9073	1.9128	1.9164	1.9184	1.9190	1.9179	1.9153
700.0	1.9416	1.9433	1.9457	1.9515	1.9555	1.9578	1.9588	1.9580	1.9556
800.0	1.9746	1.9764	1.9788	1.9851	1.9893	1.9921	1.9934	1.9929	1.9907
900.0	2.0033	2.0052	2.0078	2.0144	2.0190	2.0220	2.0236	2.0235	2.0215
1000.0	2.0294	2.0313	2.0340	2.0409	2.0458	2.0492	2.0511	2.0513	2.0495
1100.0	2.0535	2.0555	2.0582	2.0654	2.0707	2.0744	2.0766	2.0771	2.0755
1200.0	2.0758	2.0779	2.0807	2.0882	2.0938	2.0977	2.1003	2.1010	2.0996
1300.0	2.0965	2.0987	2.1016	2.1094	2.1152	2.1195	2.1223	2.1233	2.1221
1400.0	2.1159	2.1181	2.1211	2.1292	2.1353	2.1399	2.1429	2.1442	2.1432
1500.0	2.1341	2.1364	2.1395	2.1478	2.1542	2.1590	2.1623	2.1638	2.1630
1600.0	2.1513	2.1536	2.1568	2.1654	2.1720	2.1771	2.1806	2.1824	2.1817
1700.0	2.1677	2.1701	2.1733	2.1822	2.1891	2.1944	2.1981	2.2002	2.1997
1800.0	2.1835	2.1859	2.1892	2.1983	2.2055	2.2110	2.2150	2.2173	2.2169
1900.0	2.1982	2.2007	2.2041	2.2135	2.2208	2.2266	2.2309	2.2333	2.2331
2000.0	2.2128	2.2153	2.2188	2.2284	2.2360	2.2420	2.2464	2.2491	2.2491
2100.0	2.2334	2.2360	2.2396	2.2496	2.2575	2.2638	2.2686	2.2716	2.2718
2200.0	2.2400	2.2426	2.2462	2.2563	2.2643	2.2708	2.2757	2.2788	2.2790
2250.0	2.2464	2.2491	2.2527	2.2629	2.2710	2.2776	2.2826	2.2858	2.2861
2300.0	2.2527	2.2553	2.2590	2.2693	2.2776	2.2842	2.2893	2.2926	2.2930
2350.0	2.2588	2.2615	2.2652	2.2756	2.2839	2.2907	2	2.2993	2.2998
2400.0	2.2648	2.2675	2.2712	2.2817	2.2902	2.2971		2.3059	2.3064
2450.0	2.2706	2.2734	2.2771	2.2878	2.2963	2.3033		2.3123	2.3129
2500.0	2.2764	2.2791	2.2829	2.2937	2.3024	2.3094	2	2.3187	2.3193
2550.0	2.2821	2.2848	2.2887	2.2995	2.3083	2.3155	2.,,1,	2.3249	2.3256
2600.0	2.2877	2.2905	2.2943	2.3053	2.3142	2.3214	2.3272	2.3311	2.3319
2650.0	2.2933	2.2961	2.3000	2.3110	2.3200	2.3274	2.3332	2.3372	2.3380
2700.0	2.2989	2.3017	2.3056	2.3167	2.3258	2.3333	2.3392	2.3433	2.3442
2750.0	2.3042	2.3071	2.3110	2.3223	2.3314	2.3390	2.3450	2.3492	2.3502
2800.0	2.3096	2.3125	2.3164	2.3278	2.3370	2.3447	2.3508	2.3550	2.3561
2850.0	2.3149	2.3178	2.3218	2.3333	2.3426	2.3503	2.3565	2.3609	2.3621
2900.0	2.3202	2.3231	2.3271	2.3387	2.3481	2.3560	2.3622	2.3666	2.3680
2950.0	2.3254	2.3283	2.3324	2.3441	2.3536	2.3615	2.3679	2.3724	2.3739
3000.0	2.3306	2.3335	2.3377	2.3494	2.3590	2.3670	2.3735	2.3781	2.3798
3050.0	2.3357	2.3387	2.3428	2.3547	2.3644	2.3725	2.3791	2.3838	2.3858
3100.0	2.3408	2.3438	2.3480	2.3600	2.3698	2.3780	2.3846	2.3895	2.3917
3150.0	2.3459	2.3489	2.3531	2.3652	2.3751	2.3834	2.3902	2.3952	2.3978
3200.0	2.3509	2.3539	2.3582	2.3704	2.3804	2.3888	2.3957	2.4008	2.4039
3250.0	2.3559	2.3589	2.3632	2.3756	2.3857	2.3943	2.4012	2.4066	2.4101
3300.0	2.3608	2.3639	2.3683	2.3807	2.3910	2.3997	2.4068	2.4123	2.4164
3350.0	2.3658	2.3689	2.3733	2.3859	2.3963	2.4051	2.4124	2.4182	2.4228
3400.0	2.3707	2.3739	2.3783	2.3910	2.4016	2.4106	2.4180	2.4241	2.4294
3450.0	2.3756	2.3788	2.3833	2.3962	2.4070	2.4161	2.4237	2.4302	2.4362
3500.0	2.3805	2.3838	2.3883	2.4014	2.4123	2.4216	2.4295	2.4364	2.4431
3550.0	2.3854	2.3887	2.3934	2.4066	2.4178	2.4273	2.4354	2.4428	2.4503
3600.0	2.3903	2.3937	2.3984	2.4119	2.4233	2.4330	2.4415	2.4494	2.4576
3650.0	2.3953	2.3987	2.4035	2.4173	2.4289	2.4389	2.4477	2.4563	2.4652
3700.0	2.4003	2.4038	2.4087	2.4227	2.4346	2.4449	2.4542	2.4634	2.4731
3750.0	2.4053	2.4089	2.4139	2.4282	2.4404	2.4511	2.4609	2.4709	2.4813
3800.0	2.4104	2.4141	2.4192	2.4339	2.4464	2.4575	2.4678	2.4787	2.4898
3850.0	2.4156	2.4194	2.4246	2.4397	2.4526	2.4642	2.4751	2.4868	2.4986
3900.0	2.4209	2.4247	2.4301	2.4456	2.4590	2.4711	2.4827	2.4953	2.5077
3950.0	2.4263	2.4302	2.4357	2.4518	2.4657	2.4783	2.4906	2.5042	2.5172
4000.0	2.4318	2.4359	2.4416	2.4581	2.4726	2.4859	2.4990	2.5135	2.5272

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ENTROPY

PRESSURE = 1.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	1.8559	1.8576	1.8598	1.8653	1.8688	1.8709	1.8715	1.8703	1.8677
700.0	1.8940	1.8958	1.8981	1.9040	1.9079	1.9103	1.9112	1.9104	1.9080
800.0	1.9270	1.9288	1.9313	1.9375	1.9418	1.9445	1.9458	1.9453	1.9431
900.0	1.9558	1.9577	1.9602	1.9668	1.9714	1.9745	1.9761	1.9759	1.9740
1000.0	1.9818	1.9838	1.9864	1.9933	1.9983	2.0016	2.0035	2.0037	2.0020
1100.0	2.0059	2.0079	2.0107	2.0179	2.0231	2.0268	2.0290	2.0295	2.0279
1200.0	2.0282	2.0303	2.0331	2.0407	2.0462	2.0502	2.0527	2.0534	2.0520
1300.0	2.0490	2.0511	2.0540	2.0619	2.0677	2.0719	2.0747	2.0757	2.0745
1400.0	2.0684	2.0706	2.0736	2.0817	2.0878	2.0923	2.0953	2.0966	2.0956
1500.0	2.0865	2.0888	2.0919	2.1003	2.1066	2.1114	2.1147	2.1162	2.1154
1600.0	2.1037	2.1061	2.1092	2.1179	2.1245	2.1295	2.1331	2.1348	2.1342
1700.0	2.1201	2.1225	2.1257	2.1346	2.1415	2.1468	2.1506	2.1526	2.1521
1800.0	2.1359	2.1383	2.1417	2.1508	2.1579	2.1634	2.1674	2.1697	2.1693
1900.0	2.1511	2.1532	2.1565	2.1659	2.1733	2.1790	2.1833	2.1857	2.1855
2000.0	2.1657	2.1677	2.1712	2.1808	2.1884	2.1944	2.1989	2.2015	2.2015
2150.0	2.1859	2.1885	2.1920	2.2020	2.2099	2.2161	2.2210	2.2240	2.2242
2200.0	2.1925	2.1951	2.1987	2.2087	2.2168	2.2232	2.2281	2.2312	2.2315
2250.0	2.1989	2.2015	2.2051	2.2153	2.2235	2.2300	2.2350	2.2382	2.2385
2300.0	2.2051	2.2078	2.2114	2.2217	2.2300	2.2366	2.2417	2.2451	2.2455
2350.0	2.2112	2.2139	2.2176	2.2280	2.2364	2.2431	2.2483	2.2518	2.2522
2400.0	2.2172	2.2199	2.2237	2.2342	2.2426	2.2495	2.2548	2.2583	2.2589
2450.0	2.2231	2.2258	2.2296	2.2402	2.2488	2.2557	2.2611	2.2648	2.2654
2500.0	2.2288	2.2316	2.2354	2.2461	2.2548	2.2618	2.2674	2.2711	2.2718
2550.0	2.2345	2.2373	2.2411	2.2519	2.2607	2.2679	2.2735	2.2773	2.2781
2600.0	2.2401	2.2429	2.2468	2.2577	2.2666	2.2739	2.2796	2.2835	2.2843
2650.0	2.2457	2.2485	2.2524	2.2635	2.2724	2.2798	2.2856	2.2896	2.2905
2700.0	2.2513	2.2541	2.2580	2.2692	2.2783	2.2857	2.2916	2.2957	2.2966
2750.0	2.2566	2.2595	2.2634	2.2746	2.2838	2.2914	2.2974	2.3015	2.3025
2800.0	2.2619	2.2648	2.2687	2.2801	2.2894	2.2970	2.3031	2.3073	2.3084
2850.0	2.2672	2.2701	2.2741	2.2855	2.2949	2.3026	2.3088	2.3132	2.3143
2900.0	2.2725	2.2754	2.2794	2.2910	2.3004	2.3082	2.3145	2.3189	2.3202
2950.0	2.2777	2.2806	2.2847	2.2963	2.3059	2.3138	2.3201	2.3246	2.3260
3000.0	2.2829	2.2858	2.2899	2.3016	2.3113	2.3193	2.3257	2.3303	2.3318
3050.0	2.2880	2.2910	2.2951	2.3069	2.3167	2.3247	2.3312	2.3359	2.3377
3100.0	2.2930	2.2961	2.3002	2.3122	2.3220	2.3302	2.3368	2.3416	2.3435
3150.0	2.2981	2.3011	2.3053	2.3173	2.3273	2.3355	2.3422	2.3471	2.3494
3200.0	2.3031	2.3061	2.3104	2.3225	2.3325	2.3409	2.3477	2.3527	2.3553
3250.0	2.3080	2.3111	2.3154	2.3276	2.3378	2.3462	2.3531	2.3583	2.3613
3300.0	2.3129	2.3160	2.3203	2.3327	2.3430	2.3515	2.3586	2.3639	2.3673
3350.0	2.3178	2.3209	2.3253	2.3378	2.3482	2.3569	2.3640	2.3696	2.3735
3400.0	2.3227	2.3258	2.3302	2.3429	2.3534	2.3622	2.3695	2.3753	2.3797
3450.0	2.3275	2.3307	2.3351	2.3479	2.3585	2.3675	2.3750	2.3810	2.3861
3500.0	2.3323	2.3355	2.3400	2.3530	2.3638	2.3729	2.3805	2.3869	2.3926
3550.0	2.3371	2.3404	2.3449	2.3581	2.3690	2.3783	2.3861	2.3929	2.3992
3600.0	2.3419	2.3452	2.3498	2.3631	2.3742	2.3837	2.3918	2.3990	2.4060
3650.0	2.3467	2.3501	2.3548	2.3683	2.3796	2.3893	2.3976	2.4053	2.4130
3700.0	2.3515	2.3549	2.3597	2.3734	2.3849	2.3949	2.4036	2.4118	2.4202
3750.0	2.3564	2.3598	2.3647	2.3786	2.3904	2.4006	2.4097	2.4185	2.4277
3800.0	2.3612	2.3648	2.3697	2.3839	2.3960	2.4065	2.4160	2.4255	2.4353
3850.0	2.3661	2.3697	2.3748	2.3891	2.4017	2.4125	2.4225	2.4327	2.4432
3900.0	2.3711	2.3748	2.3799	2.3948	2.4075	2.4188	2.4292	2.4403	2.4514
3950.0	2.3761	2.3799	2.3851	2.4004	2.4135	2.4252	2.4362	2.4481	2.4599
4000.0	2.3812	2.3850	2.3904	2.4061	2.4196	2.4319	2.4435	2.4563	2.4686

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ENTROPY

PRESSURE = 5.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	1.7455	1.7472	1.7494	1.7548	1.7584	1.7604	1.7610	1.7599	1.7572
700.0	1.7836	1.7854	1.7877	1.7935	1.7974	1.7998	1.8007	1.8000	1.7975
800.0	1.8166	1.8184	1.8208	1.8271	1.8313	1.8340	1.8353	1.8349	1.8326
900.0	1.8454	1.8473	1.8498	1.8564	1.8609	1.8640	1.8656	1.8655	1.8635
1000.0	1.8714	1.8734	1.8760	1.8829	1.8878	1.8912	1.8931	1.8932	1.8915
1100.0	1.8955	1.8975	1.9002	1.9074	1.9127	1.9163	1.9185	1.9190	1.9176
1200.0	1.9178	1.9199	1.9227	1.9302	1.9357	1.9397	1.9422	1.9429	1.9416
1300.0	1.9386	1.9407	1.9436	1.9514	1.9572	1.9615	1.9642	1.9652	1.9641
1400.0	1.9579	1.9601	1.9631	1.9712	1.9773	1.9818	1.9848	1.9861	1.9851
1500.0	1.9761	1.9784	1.9815	1.9898	1.9962	2.0009	2.0042	2.0058	2.0049
1600.0	1.9933	1.9956	1.9988	2.0074	2.0140	2.0191	2.0226	2.0243	2.0237
1700.0	2.0097	2.0121	2.0153	2.0242	2.0311	2.0363	2.0401	2.0421	2.0416
1800.0	2.0255	2.0279	2.0312	2.0403	2.0475	2.0530	2.0570	2.0592	2.0589
1900.0	2.0403	2.0427	2.0461	2.0555	2.0628	2.0686	2.0728	2.0753	2.0751
2000.0	2.0548	2.0573	2.0608	2.0704	2.0779	2.0839	2.0884	2.0910	2.0910
2150.0	2.0755	2.0781	2.0816	2.0916	2.0995	2.1058	2.1105	2.1136	2.1137
2200.0	2.0820	2.0846	2.0882	2.0983	2.1063	2.1127	2.1176	2.1207	2.1210
2250.0	2.0884	2.0911	2.0947	2.1049	2.1130	2.1195	2.1245	2.1277	2.1280
2300.0	2.0947	2.0974	2.1010	2.1113	2.1195	2.1262	2.1313	2.1346	2.1350
2350.0	2.1008	2.1035	2.1072	2.1176	2.1259	2.1327	2.1379	2.1413	2.1417
2400.0	2.1068	2.1095	2.1132	2.1237	2.1322	2.1390	2.1443	2.1478	2.1484
2450.0	2.1127	2.1154	2.1191	2.1298	2.1383	2.1453	2.1507	2.1543	2.1549
2500.0	2.1184	2.1212	2.1250	2.1357	2.1443	2.1514	2.1569	2.1606	2.1613
2550.0	2.1241	2.1269	2.1307	2.1415	2.1503	2.1574	2.1630	2.1668	2.1676
2600.0	2.1297	2.1325	2.1364	2.1473	2.1561	2.1634	2.1691	2.1730	2.1738
2650.0	2.1353	2.1381	2.1420	2.1530	2.1620	2.1693	2.1751	2.1791	2.1800
2700.0	2.1409	2.1437	2.1476	2.1587	2.1678	2.1752	2.1811	2.1852	2.1861
2750.0	2.1462	2.1490	2.1530	2.1642	2.1734	2.1809	2.1869	2.1911	2.1920
2800.0	2.1514	2.1543	2.1583	2.1696	2.1789	2.1865	2.1926	2.1968	2.1979
2850.0	2.1566	2.1595	2.1635	2.1750	2.1843	2.1920	2.1982	2.2026	2.2037
2900.0	2.1618	2.1647	2.1687	2.1802	2.1897	2.1975	2.2038	2.2082	2.2094
2950.0	2.1669	2.1699	2.1739	2.1855	2.1951	2.2030	2.2093	2.2139	2.2151
3000.0	2.1721	2.1750	2.1791	2.1908	2.2004	2.2084	2.2149	2.2195	2.2208
3050.0	2.1772	2.1801	2.1843	2.1961	2.2058	2.2138	2.2204	2.2250	2.2265
3100.0	2.1822	2.1852	2.1893	2.2012	2.2110	2.2192	2.2258	2.2305	2.2321
3150.0	2.1872	2.1902	2.1944	2.2064	2.2163	2.2245	2.2312	2.2360	2.2377
3200.0	2.1921	2.1952	2.1994	2.2115	2.2215	2.2298	2.2365	2.2415	2.2433
3250.0	2.1970	2.2001	2.2043	2.2165	2.2266	2.2350	2.2418	2.2469	2.2490
3300.0	2.2019	2.2050	2.2092	2.2215	2.2317	2.2402	2.2471	2.2522	2.2546
3350.0	2.2067	2.2098	2.2141	2.2265	2.2368	2.2453	2.2523	2.2576	2.2602
3400.0	2.2114	2.2146	2.2189	2.2314	2.2418	2.2505	2.2576	2.2629	2.2659
3450.0	2.2162	2.2193	2.2237	2.2363	2.2468	2.2555	2.2628	2.2683	2.2717
3500.0	2.2209	2.2240	2.2285	2.2412	2.2517	2.2606	2.2680	2.2736	2.2775
3550.0	2.2255	2.2287	2.2332	2.2460	2.2567	2.2657	2.2731	2.2790	2.2833
3600.0	2.2301	2.2334	2.2379	2.2508	2.2616	2.2707	2.2783	2.2845	2.2892
3650.0	2.2347	2.2380	2.2425	2.2556	2.2666	2.2758	2.2836	2.2899	2.2953
3700.0	2.2393	2.2426	2.2472	2.2604	2.2715	2.2809	2.2888	2.2955	2.3014
3750.0	2.2438	2.2472	2.2518	2.2652	2.2764	2.2860	2.2941	2.3011	2.3076
3800.0	2.2483	2.2517	2.2564	2.2700	2.2814	2.2911	2.2994	2.3068	2.3139
3850.0	2.2528	2.2563	2.2611	2.2748	2.2864	2.2963	2.3049	2.3127	2.3204
3900.0	2.2574	2.2608	2.2657	2.2796	2.2914	2.3015	2.3104	2.3187	2.3270
3950.0	2.2619	2.2654	2.2703	2.2845	2.2964	2.3068	2.3160	2.3248	2.3338
4000.0	2.2664	2.2700	2.2749	2.2894	2.3016	2.3122	2.3217	2.3312	2.3407

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ENTROPY

PRESSURE = 10.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	1.6979	1.6996	1.7018	1.7073	1.7108	1.7128	1.7134	1.7123	1.7096
700.0	1.7360	1.7378	1.7401	1.7460	1.7499	1.7522	1.7532	1.7524	1.7499
800.0	1.7690	1.7709	1.7733	1.7795	1.7837	1.7865	1.7877	1.7873	1.7851
900.0	1.7978	1.7997	1.8022	1.8088	1.8134	1.8164	1.8180	1.8179	1.8159
1000.0	1.8238	1.8258	1.8284	1.8353	1.8402	1.8436	1.8455	1.8457	1.8439
1100.0	1.8479	1.8499	1.8527	1.8599	1.8651	1.8688	1.8710	1.8714	1.8698
1200.0	1.8702	1.8723	1.8751	1.8827	1.8882	1.8921	1.8946	1.8954	1.8940
1300.0	1.8911	1.8931	1.8961	1.9039	1.9097	1.9139	1.9167	1.9177	1.9165
1400.0	1.9104	1.9126	1.9156	1.9237	1.9297	1.9342	1.9373	1.9385	1.9375
1500.0	1.9286	1.9308	1.9339	1.9423	1.9486	1.9534	1.9567	1.9582	1.9573
1600.0	1.9458	1.9481	1.9512	1.9598	1.9665	1.9715	1.9750	1.9768	1.9761
1700.0	1.9622	1.9645	1.9678	1.9766	1.9835	1.9888	1.9925	1.9945	1.9940
1800.0	1.9779	1.9804	1.9837	1.9928	1.9999	2.0054	2.0094	2.0116	2.0113
1900.0	1.9927	1.9952	1.9986	2.0079	2.0153	2.0210	2.0252	2.0277	2.0275
2000.0	2.0072	2.0098	2.0132	2.0228	2.0304	2.0363	2.0408	2.0435	2.0434
2150.0	2.0279	2.0305	2.0341	2.0440	2.0519	2.0582	2.0630	2.0660	2.0661
2200.0	2.0345	2.0371	2.0407	2.0507	2.0588	2.0652	2.0701	2.0731	2.0734
2250.0	2.0409	2.0435	2.0471	2.0573	2.0654	2.0720	2.0770	2.0801	2.0805
2300.0	2.0471	2.0498	2.0535	2.0637	2.0720	2.0786	2.0837	2.0870	2.0874
2350.0	2.0533	2.0559	2.0596	2.0700	2.0784	2.0851	2.0903	2.0937	2.0942
2400.0	2.0592	2.0619	2.0657	2.0762	2.0846	2.0915	2.0968	2.1003	2.1008
2450.0	2.0651	2.0678	2.0716	2.0822	2.0907	2.0977	2.1031	2.1067	2.1073
2500.0	2.0709	2.0736	2.0774	2.0881	2.0968	2.1038	2.1093	2.1130	2.1137
2550.0	2.0765	2.0793	2.0831	2.0939	2.1027	2.1099	2.1155	2.1193	2.1200
2600.0	2.0822	2.0849	2.0888	2.0997	2.1086	2.1158	2.1215	2.1254	2.1262
2650.0	2.0877	2.0905	2.0944	2.1054	2.1144	2.1218	2.1275	2.1315	2.1324
2700.0	2.0933	2.0961	2.1001	2.1112	2.1202	2.1277	2.1336	2.1376	2.1385
2750.0	2.0986	2.1015	2.1054	2.1166	2.1258	2.1333	2.1393	2.1435	2.1445
2800.0	2.1039	2.1068	2.1107	2.1221	2.1313	2.1389	2.1450	2.1493	2.1503
2850.0	2.1091	2.1120	2.1160	2.1274	2.1367	2.1445	2.1506	2.1550	2.1561
2900.0	2.1142	2.1171	2.1212	2.1327	2.1421	2.1499	2.1562	2.1606	2.1618
2950.0	2.1193	2.1222	2.1263	2.1379	2.1474	2.1553	2.1617	2.1662	2.1674
3000.0	2.1244	2.1273	2.1314	2.1431	2.1527	2.1607	2.1672	2.1718	2.1731
3050.0	2.1294	2.1324	2.1365	2.1483	2.1580	2.1661	2.1726	2.1773	2.1787
3100.0	2.1345	2.1375	2.1416	2.1535	2.1633	2.1715	2.1780	2.1828	2.1843
3150.0	2.1395	2.1425	2.1466	2.1586	2.1685	2.1767	2.1834	2.1882	2.1898
3200.0	2.1444	2.1474	2.1516	2.1637	2.1737	2.1820	2.1887	2.1936	2.1954
3250.0	2.1493	2.1523	2.1566	2.1687	2.1788	2.1872	2.1940	2.1990	2.2009
3300.0	2.1541	2.1572	2.1614	2.1737	2.1839	2.1923	2.1992	2.2043	2.2064
3350.0	2.1589	2.1620	2.1663	2.1786	2.1889	2.1974	2.2044	2.2096	2.2119
3400.0	2.1636	2.1667	2.1711	2.1835	2.1939	2.2025	2.2096	2.2149	2.2174
3450.0	2.1683	2.1715	2.1758	2.1884	2.1988	2.2075	2.2147	2.2201	2.2230
3500.0	2.1730	2.1761	2.1805	2.1932	2.2037	2.2125	2.2198	2.2253	2.2286
3550.0	2.1776	2.1808	2.1852	2.1980	2.2086	2.2175	2.2249	2.2306	2.2342
3600.0	2.1821	2.1854	2.1898	2.2027	2.2135	2.2225	2.2300	2.2358	2.2399
3650.0	2.1867	2.1899	2.1944	2.2075	2.2183	2.2274	2.2350	2.2411	2.2456
3700.0	2.1912	2.1945	2.1990	2.2122	2.2231	2.2324	2.2401	2.2464	2.2514
3750.0	2.1957	2.1990	2.2036	2.2168	2.2279	2.2373	2.2452	2.2517	2.2573
3800.0	2.2001	2.2034	2.2081	2.2215	2.2327	2.2422	2.2503	2.2571	2.2632
3850.0	2.2045	2.2079	2.2126	2.2262	2.2375	2.2472	2.2555	2.2626	2.2693
3900.0	2.2089	2.2123	2.2171	2.2308	2.2423	2.2522	2.2607	2.2682	2.2754
3950.0	2.2133	2.2168	2.2216	2.2355	2.2472	2.2572	2.2659	2.2739	2.2816
4000.0	2.2177	2.2212	2.2260	2.2401	2.2520	2.2623	2.2712	2.2797	2.2880

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ENTROPY

PRESSURE = 14.6960

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	1.6715	1.6732	1.6754	1.6809	1.6844	1.6864	1.6870	1.6858	1.6832
700.0	1.7096	1.7114	1.7137	1.7196	1.7235	1.7258	1.7267	1.7259	1.7235
800.0	1.7426	1.7444	1.7469	1.7531	1.7573	1.7600	1.7613	1.7608	1.7586
900.0	1.7714	1.7733	1.7758	1.7824	1.7870	1.7900	1.7916	1.7914	1.7895
1000.0	1.7974	1.7994	1.8020	1.8089	1.8138	1.8172	1.8191	1.8192	1.8175
1100.0	1.8215	1.8235	1.8263	1.8335	1.8387	1.8423	1.8445	1.8450	1.8434
1200.0	1.8438	1.8459	1.8487	1.8562	1.8618	1.8657	1.8682	1.8689	1.8675
1300.0	1.8646	1.8667	1.8696	1.8774	1.8832	1.8875	1.8902	1.8912	1.8900
1400.0	1.8840	1.8862	1.8892	1.8972	1.9033	1.9078	1.9108	1.9121	1.9111
1500.0	1.9022	1.9044	1.9075	1.9158	1.9222	1.9270	1.9302	1.9317	1.9309
1600.0	1.9193	1.9217	1.9248	1.9334	1.9400	1.9451	1.9486	1.9503	1.9497
1700.0	1.9357	1.9381	1.9413	1.9502	1.9571	1.9623	1.9661	1.9681	1.9676
1800.0	1.9515	1.9539	1.9572	1.9664	1.9735	1.9790	1.9830	1.9852	1.9848
1900.0	1.9663	1.9688	1.9721	1.9815	1.9888	1.9946	1.9988	2.0012	2.0010
2000.0	1.9808	1.9834	1.9868	1.9964	2.0040	2.0099	2.0144	2.0170	2.0170
2150.0	2.0015	2.0041	2.0076	2.0176	2.0255	2.0318	2.0366	2.0395	2.0397
2200.0	2.0081	2.0107	2.0143	2.0243	2.0323	2.0387	2.0436	2.0467	2.0470
2250.0	2.0145	2.0171	2.0207	2.0309	2.0390	2.0455	2.0505	2.0537	2.0540
2300.0	2.0207	2.0234	2.0270	2.0373	2.0456	2.0522	2.0573	2.0606	2.0610
2350.0	2.0268	2.0295	2.0332	2.0436	2.0519	2.0587	2.0639	2.0673	2.0677
2400.0	2.0328	2.0355	2.0392	2.0497	2.0582	2.0650	2.0703	2.0738	2.0744
2450.0	2.0387	2.0414	2.0452	2.0558	2.0643	2.0713	2.0767	2.0803	2.0809
2500.0	2.0444	2.0472	2.0510	2.0617	2.0703	2.0774	2.0829	2.0866	2.0873
2550.0	2.0501	2.0529	2.0567	2.0675	2.0763	2.0834	2.0890	2.0928	2.0935
2600.0	2.0557	2.0585	2.0624	2.0733	2.0822	2.0894	2.0951	2.0990	2.0998
2650.0	2.0613	2.0641	2.0680	2.0790	2.0880	2.0953	2.1011	2.1051	2.1060
2700.0	2.0669	2.0697	2.0736	2.0848	2.0938	2.1012	2.1071	2.1112	2.1121
2750.0	2.0722	2.0751	2.0790	2.0902	2.0994	2.1069	2.1129	2.1170	2.1180
2800.0	2.0775	2.0803	2.0843	2.0956	2.1049	2.1125	2.1186	2.1228	2.1239
2850.0	2.0827	2.0856	2.0896	2.1010	2.1103	2.1180	2.1242	2.1286	2.1297
2900.0	2.0878	2.0907	2.0947	2.1062	2.1157	2.1235	2.1298	2.1342	2.1354
2950.0	2.0929	2.0958	2.0998	2.1115	2.1210	2.1289	2.1352	2.1398	2.1410
3000.0	2.0979	2.1008	2.1049	2.1166	2.1262	2.1342	2.1407	2.1453	2.1466
3050.0	2.1029	2.1059	2.1100	2.1219	2.1315	2.1396	2.1461	2.1508	2.1522
3100.0	2.1080	2.1110	2.1151	2.1270	2.1368	2.1449	2.1515	2.1563	2.1577
3150.0	2.1129	2.1160	2.1201	2.1321	2.1420	2.1502	2.1569	2.1617	2.1633
3200.0	2.1179	2.1209	2.1251	2.1372	2.1471	2.1555	2.1622	2.1671	2.1688
3250.0	2.1227	2.1258	2.1300	2.1422	2.1522	2.1606	2.1675	2.1724	2.1742
3300.0	2.1276	2.1306	2.1349	2.1472	2.1573	2.1658	2.1727	2.1777	2.1797
3350.0	2.1323	2.1354	2.1397	2.1521	2.1623	2.1709	2.1778	2.1830	2.1852
3400.0	2.1371	2.1402	2.1445	2.1570	2.1673	2.1759	2.1830	2.1882	2.1906
3450.0	2.1418	2.1449	2.1493	2.1618	2.1722	2.1809	2.1881	2.1934	2.1961
3500.0	2.1464	2.1495	2.1539	2.1666	2.1771	2.1859	2.1931	2.1986	2.2016
3550.0	2.1510	2.1542	2.1586	2.1713	2.1819	2.1908	2.1982	2.2038	2.2071
3600.0	2.1555	2.1587	2.1632	2.1761	2.1867	2.1957	2.2032	2.2089	2.2126
3650.0	2.1600	2.1633	2.1678	2.1807	2.1915	2.2006	2.2082	2.2141	2.2182
3700.0	2.1645	2.1678	2.1723	2.1854	2.1963	2.2055	2.2132	2.2193	2.2239
3750.0	2.1690	2.1722	2.1768	2.1900	2.2010	2.2104	2.2182	2.2245	2.2296
3800.0	2.1734	2.1767	2.1813	2.1946	2.2058	2.2152	2.2232	2.2298	2.2353
3850.0	2.1777	2.1811	2.1858	2.1992	2.2105	2.2201	2.2282	2.2351	2.2412
3900.0	2.1821	2.1855	2.1902	2.2038	2.2152	2.2250	2.2333	2.2405	2.2471
3950.0	2.1864	2.1898	2.1946	2.2084	2.2200	2.2299	2.2384	2.2459	2.2531
4000.0	2.1907	2.1942	2.1990	2.2130	2.2247	2.2348	2.2435	2.2515	2.2592

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ENTROPY

PRESSURE = 20.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	1.6504	1.6520	1.6542	1.6597	1.6632	1.6653	1.6658	1.6647	1.6620
700.0	1.6885	1.6902	1.6926	1.6984	1.7023	1.7047	1.7056	1.7048	1.7023
800.0	1.7215	1.7233	1.7257	1.7319	1.7362	1.7389	1.7402	1.7397	1.7375
900.0	1.7502	1.7521	1.7547	1.7612	1.7658	1.7689	1.7704	1.7703	1.7683
1000.0	1.7763	1.7782	1.7809	1.7878	1.7927	1.7960	1.7979	1.7981	1.7963
1100.0	1.8004	1.8024	1.8051	1.8123	1.8175	1.8212	1.8234	1.8238	1.8223
1200.0	1.8227	1.8248	1.8276	1.8351	1.8406	1.8446	1.8470	1.8478	1.8464
1300.0	1.8434	1.8456	1.8485	1.8563	1.8621	1.8663	1.8691	1.8701	1.8689
1400.0	1.8628	1.8650	1.8680	1.8761	1.8822	1.8867	1.8897	1.8910	1.8899
1500.0	1.8810	1.8833	1.8863	1.8947	1.9010	1.9058	1.9091	1.9106	1.9097
1600.0	1.8982	1.9005	1.9037	1.9123	1.9189	1.9239	1.9274	1.9292	1.9285
1700.0	1.9146	1.9170	1.9202	1.9291	1.9359	1.9412	1.9449	1.9469	1.9464
1800.0	1.9304	1.9329	1.9361	1.9452	1.9523	1.9578	1.9618	1.9640	1.9637
1900.0	1.9452	1.9476	1.9510	1.9604	1.9677	1.9734	1.9776	1.9801	1.9799
2000.0	1.9597	1.9622	1.9657	1.9752	1.9828	1.9888	1.9932	1.9959	1.9958
2150.0	1.9803	1.9829	1.9865	1.9964	2.0043	2.0106	2.0154	2.0184	2.0186
2200.0	1.9869	1.9895	1.9931	2.0032	2.0112	2.0176	2.0225	2.0256	2.0258
2250.0	1.9933	1.9960	1.9996	2.0097	2.0179	2.0244	2.0294	2.0326	2.0329
2300.0	1.9996	2.0022	2.0059	2.0162	2.0244	2.0310	2.0361	2.0394	2.0398
2350.0	2.0057	2.0084	2.0121	2.0225	2.0308	2.0375	2.0427	2.0461	2.0466
2400.0	2.0117	2.0144	2.0181	2.0286	2.0370	2.0439	2.0492	2.0527	2.0532
2450.0	2.0175	2.0203	2.0240	2.0346	2.0432	2.0501	2.0555	2.0591	2.0597
2500.0	2.0233	2.0260	2.0298	2.0405	2.0492	2.0562	2.0617	2.0654	2.0661
2550.0	2.0290	2.0317	2.0356	2.0464	2.0551	2.0623	2.0679	2.0717	2.0724
2600.0	2.0346	2.0374	2.0412	2.0522	2.0610	2.0683	2.0739	2.0778	2.0786
2650.0	2.0402	2.0430	2.0469	2.0579	2.0666	2.0742	2.0800	2.0839	2.0848
2700.0	2.0458	2.0486	2.0525	2.0636	2.0727	2.0801	2.0860	2.0900	2.0910
2750.0	2.0511	2.0539	2.0579	2.0691	2.0782	2.0858	2.0917	2.0959	2.0969
2800.0	2.0563	2.0592	2.0632	2.0745	2.0837	2.0914	2.0974	2.1017	2.1027
2850.0	2.0615	2.0644	2.0684	2.0798	2.0892	2.0969	2.1031	2.1074	2.1085
2900.0	2.0667	2.0696	2.0736	2.0851	2.0945	2.1024	2.1086	2.1130	2.1142
2950.0	2.0717	2.0746	2.0787	2.0903	2.0998	2.1077	2.1141	2.1186	2.1198
3000.0	2.0767	2.0797	2.0838	2.0955	2.1051	2.1131	2.1195	2.1241	2.1254
3050.0	2.0817	2.0847	2.0888	2.1006	2.1103	2.1184	2.1249	2.1296	2.1310
3100.0	2.0868	2.0897	2.0939	2.1058	2.1156	2.1237	2.1303	2.1351	2.1365
3150.0	2.0917	2.0947	2.0989	2.1109	2.1208	2.1290	2.1357	2.1405	2.1420
3200.0	2.0966	2.0997	2.1039	2.1159	2.1259	2.1342	2.1410	2.1459	2.1475
3250.0	2.1015	2.1046	2.1088	2.1210	2.1310	2.1394	2.1462	2.1512	2.1529
3300.0	2.1063	2.1094	2.1137	2.1259	2.1360	2.1445	2.1514	2.1565	2.1584
3350.0	2.1111	2.1142	2.1185	2.1308	2.1410	2.1496	2.1566	2.1617	2.1638
3400.0	2.1158	2.1189	2.1233	2.1357	2.1460	2.1546	2.1617	2.1669	2.1692
3450.0	2.1205	2.1236	2.1280	2.1405	2.1509	2.1596	2.1667	2.1721	2.1746
3500.0	2.1251	2.1283	2.1327	2.1453	2.1558	2.1646	2.1718	2.1772	2.1800
3550.0	2.1297	2.1329	2.1373	2.1500	2.1606	2.1695	2.1768	2.1823	2.1854
3600.0	2.1342	2.1374	2.1419	2.1547	2.1654	2.1744	2.1818	2.1874	2.1909
3650.0	2.1387	2.1420	2.1465	2.1594	2.1702	2.1792	2.1867	2.1926	2.1966
3700.0	2.1432	2.1464	2.1510	2.1640	2.1749	2.1841	2.1917	2.1977	2.2019
3750.0	2.1476	2.1509	2.1555	2.1686	2.1796	2.1889	2.1966	2.2028	2.2075
3800.0	2.1520	2.1553	2.1599	2.1732	2.1843	2.1937	2.2015	2.2080	2.2132
3850.0	2.1563	2.1597	2.1643	2.1777	2.1890	2.1985	2.2065	2.2132	2.2189
3900.0	2.1607	2.1640	2.1687	2.1823	2.1936	2.2033	2.2115	2.2184	2.2246
3950.0	2.1649	2.1684	2.1731	2.1868	2.1983	2.2081	2.2165	2.2237	2.2305
4000.0	2.1692	2.1727	2.1775	2.1913	2.2029	2.2129	2.2215	2.2291	2.2364

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ENTROPY

PRESSURE = 50.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	1.5875	1.5892	1.5914	1.5968	1.6004	1.6024	1.6029	1.6018	1.5991
700.0	1.6256	1.6274	1.6297	1.6355	1.6394	1.6418	1.6427	1.6419	1.6396
800.0	1.6586	1.6604	1.6629	1.6691	1.6733	1.6760	1.6773	1.6768	1.6746
900.0	1.6874	1.6893	1.6918	1.6983	1.7029	1.7060	1.7075	1.7074	1.7054
1000.0	1.7134	1.7154	1.7180	1.7249	1.7296	1.7331	1.7350	1.7352	1.7334
1100.0	1.7375	1.7395	1.7422	1.7494	1.7546	1.7583	1.7605	1.7609	1.7594
1200.0	1.7598	1.7619	1.7647	1.7722	1.7777	1.7817	1.7842	1.7849	1.7835
1300.0	1.7806	1.7827	1.7856	1.7934	1.7992	1.8034	1.8062	1.8072	1.8060
1400.0	1.7999	1.8022	1.8051	1.8132	1.8193	1.8238	1.8268	1.8281	1.8270
1500.0	1.8181	1.8204	1.8235	1.8318	1.8382	1.8429	1.8462	1.8477	1.8468
1600.0	1.8353	1.8377	1.8408	1.8494	1.8560	1.8610	1.8645	1.8663	1.8656
1700.0	1.8517	1.8541	1.8573	1.8662	1.8730	1.8783	1.8821	1.8840	1.8835
1800.0	1.8675	1.8699	1.8732	1.8823	1.8894	1.8949	1.8989	1.9011	1.9008
1900.0	1.8823	1.8848	1.8881	1.8975	1.9048	1.9105	1.9148	1.9172	1.9170
2000.0	1.8968	1.8993	1.9028	1.9124	1.9199	1.9259	1.9303	1.9330	1.9329
2150.0	1.9175	1.9201	1.9236	1.9336	1.9415	1.9477	1.9525	1.9555	1.9557
2200.0	1.9241	1.9267	1.9302	1.9403	1.9483	1.9547	1.9596	1.9627	1.9629
2250.0	1.9305	1.9331	1.9367	1.9469	1.9550	1.9615	1.9665	1.9697	1.9700
2300.0	1.9367	1.9394	1.9430	1.9533	1.9615	1.9681	1.9732	1.9765	1.9769
2350.0	1.9428	1.9455	1.9492	1.9596	1.9679	1.9746	1.9798	1.9832	1.9837
2400.0	1.9488	1.9515	1.9552	1.9657	1.9742	1.9810	1.9863	1.9898	1.9903
2450.0	1.9547	1.9574	1.9612	1.9717	1.9803	1.9872	1.9926	1.9962	1.9968
2500.0	1.9604	1.9632	1.9670	1.9777	1.9863	1.9934	1.9989	2.0025	2.0032
2550.0	1.9661	1.9689	1.9727	1.9835	1.9923	1.9996	2.0050	2.0088	2.0095
2600.0	1.9717	1.9745	1.9784	1.9893	1.9981	2.0054	2.0111	2.0149	2.0157
2650.0	1.9773	1.9801	1.9840	1.9950	2.0040	2.0113	2.0171	2.0210	2.0219
2700.0	1.9829	1.9857	1.9896	2.0007	2.0098	2.0172	2.0231	2.0271	2.0281
2750.0	1.9882	1.9911	1.9950	2.0062	2.0153	2.0229	2.0288	2.0330	2.0340
2800.0	1.9935	1.9963	2.0003	2.0116	2.0209	2.0285	2.0345	2.0388	2.0398
2850.0	1.9987	2.0015	2.0055	2.0170	2.0263	2.0340	2.0402	2.0445	2.0456
2900.0	2.0038	2.0067	2.0107	2.0222	2.0317	2.0395	2.0457	2.0501	2.0513
2950.0	2.0089	2.0118	2.0158	2.0274	2.0370	2.0449	2.0512	2.0557	2.0569
3000.0	2.0138	2.0168	2.0209	2.0326	2.0422	2.0502	2.0566	2.0612	2.0625
3050.0	2.0188	2.0217	2.0259	2.0377	2.0474	2.0554	2.0620	2.0667	2.0680
3100.0	2.0237	2.0266	2.0308	2.0427	2.0525	2.0606	2.0673	2.0720	2.0734
3150.0	2.0286	2.0316	2.0358	2.0478	2.0577	2.0659	2.0726	2.0774	2.0789
3200.0	2.0335	2.0366	2.0408	2.0528	2.0628	2.0711	2.0779	2.0828	2.0843
3250.0	2.0384	2.0414	2.0457	2.0578	2.0679	2.0763	2.0831	2.0881	2.0897
3300.0	2.0432	2.0463	2.0505	2.0628	2.0729	2.0814	2.0883	2.0933	2.0950
3350.0	2.0480	2.0510	2.0553	2.0676	2.0779	2.0864	2.0934	2.0985	2.1003
3400.0	2.0527	2.0558	2.0601	2.0725	2.0828	2.0914	2.0984	2.1036	2.1056
3450.0	2.0573	2.0604	2.0648	2.0773	2.0876	2.0963	2.1035	2.1087	2.1109
3500.0	2.0619	2.0651	2.0694	2.0820	2.0925	2.1012	2.1084	2.1138	2.1161
3550.0	2.0665	2.0696	2.0740	2.0867	2.0972	2.1061	2.1134	2.1188	2.1214
3600.0	2.0710	2.0742	2.0786	2.0914	2.1020	2.1109	2.1183	2.1238	2.1266
3650.0	2.0754	2.0786	2.0831	2.0960	2.1067	2.1157	2.1231	2.1288	2.1319
3700.0	2.0798	2.0831	2.0876	2.1005	2.1113	2.1204	2.1279	2.1337	2.1372
3750.0	2.0842	2.0875	2.0920	2.1051	2.1159	2.1251	2.1327	2.1386	2.1425
3800.0	2.0885	2.0918	2.0964	2.1096	2.1205	2.1298	2.1375	2.1436	2.1478
3850.0	2.0928	2.0961	2.1007	2.1140	2.1251	2.1345	2.1423	2.1485	2.1531
3900.0	2.0971	2.1004	2.1050	2.1184	2.1296	2.1391	2.1470	2.1535	2.1585
3950.0	2.1013	2.1046	2.1093	2.1228	2.1341	2.1437	2.1518	2.1584	2.1639
4000.0	2.1054	2.1088	2.1136	2.1272	2.1386	2.1483	2.1565	2.1634	2.1694

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ENTROPY

PRESSURE = 100.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	1.5399	1.5416	1.5438	1.5493	1.5528	1.5548	1.5554	1.5542	1.5515
700.0	1.5781	1.5798	1.5821	1.5880	1.5919	1.5942	1.5951	1.5943	1.5919
800.0	1.6110	1.6129	1.6153	1.6215	1.6257	1.6284	1.6297	1.6292	1.6270
900.0	1.6398	1.6417	1.6442	1.6508	1.6554	1.6584	1.6600	1.6598	1.6578
1000.0	1.6659	1.6678	1.6704	1.6773	1.6822	1.6856	1.6875	1.6876	1.6858
1100.0	1.6899	1.6920	1.6947	1.7019	1.7071	1.7107	1.7129	1.7134	1.7118
1200.0	1.7123	1.7143	1.7172	1.7247	1.7302	1.7341	1.7366	1.7373	1.7359
1300.0	1.7330	1.7352	1.7381	1.7458	1.7516	1.7559	1.7586	1.7596	1.7584
1400.0	1.7524	1.7546	1.7576	1.7657	1.7717	1.7762	1.7792	1.7805	1.7794
1500.0	1.7706	1.7728	1.7759	1.7843	1.7906	1.7953	1.7986	1.8001	1.7993
1600.0	1.7878	1.7901	1.7932	1.8018	1.8084	1.8134	1.8170	1.8187	1.8180
1700.0	1.8042	1.8065	1.8098	1.8186	1.8255	1.8307	1.8345	1.8365	1.8359
1800.0	1.8200	1.8224	1.8257	1.8348	1.8419	1.8474	1.8514	1.8536	1.8532
1900.0	1.8347	1.8372	1.8406	1.8499	1.8572	1.8630	1.8672	1.8696	1.8696
2000.0	1.8493	1.8518	1.8552	1.8648	1.8724	1.8783	1.8828	1.8854	1.8853
2150.0	1.8699	1.8725	1.8761	1.8860	1.8939	1.9002	1.9049	1.9079	1.9081
2200.0	1.8765	1.8791	1.8827	1.8927	1.9007	1.9071	1.9120	1.9151	1.9153
2250.0	1.8829	1.8855	1.8892	1.8993	1.9074	1.9139	1.9189	1.9221	1.9224
2300.0	1.8892	1.8918	1.8955	1.9057	1.9140	1.9206	1.9257	1.9289	1.9293
2350.0	1.8953	1.8980	1.9016	1.9120	1.9203	1.9271	1.9323	1.9356	1.9361
2400.0	1.9013	1.9040	1.9077	1.9182	1.9266	1.9334	1.9387	1.9422	1.9427
2450.0	1.9071	1.9098	1.9136	1.9242	1.9327	1.9397	1.9450	1.9486	1.9492
2500.0	1.9129	1.9156	1.9194	1.9301	1.9388	1.9458	1.9513	1.9550	1.9556
2550.0	1.9186	1.9213	1.9251	1.9359	1.9447	1.9518	1.9574	1.9612	1.9619
2600.0	1.9242	1.9270	1.9308	1.9417	1.9506	1.9578	1.9635	1.9674	1.9681
2650.0	1.9298	1.9326	1.9364	1.9474	1.9564	1.9637	1.9695	1.9735	1.9743
2700.0	1.9353	1.9382	1.9421	1.9532	1.9622	1.9696	1.9755	1.9796	1.9805
2750.0	1.9407	1.9435	1.9474	1.9586	1.9678	1.9753	1.9813	1.9854	1.9864
2800.0	1.9459	1.9488	1.9527	1.9640	1.9733	1.9809	1.9870	1.9912	1.9922
2850.0	1.9511	1.9540	1.9580	1.9694	1.9787	1.9864	1.9926	1.9969	1.9980
2900.0	1.9562	1.9591	1.9632	1.9747	1.9841	1.9919	1.9981	2.0026	2.0037
2950.0	1.9613	1.9642	1.9683	1.9799	1.9894	1.9973	2.0036	2.0081	2.0094
3000.0	1.9663	1.9692	1.9733	1.9850	1.9946	2.0026	2.0090	2.0136	2.0149
3050.0	1.9712	1.9742	1.9783	1.9901	1.9998	2.0079	2.0144	2.0191	2.0204
3100.0	1.9761	1.9791	1.9832	1.9951	2.0049	2.0131	2.0197	2.0245	2.0259
3150.0	1.9809	1.9839	1.9881	2.0000	2.0099	2.0182	2.0249	2.0298	2.0312
3200.0	1.9858	1.9888	1.9930	2.0051	2.0151	2.0234	2.0301	2.0351	2.0366
3250.0	1.9907	1.9937	1.9979	2.0101	2.0201	2.0285	2.0356	2.0403	2.0419
3300.0	1.9955	1.9985	2.0028	2.0150	2.0251	2.0336	2.0405	2.0456	2.0472
3350.0	2.0002	2.0033	2.0076	2.0199	2.0301	2.0386	2.0456	2.0507	2.0525
3400.0	2.0049	2.0080	2.0123	2.0247	2.0350	2.0436	2.0506	2.0558	2.0577
3450.0	2.0095	2.0127	2.0170	2.0295	2.0398	2.0485	2.0556	2.0609	2.0629
3500.0	2.0141	2.0173	2.0216	2.0342	2.0446	2.0534	2.0606	2.0659	2.0680
3550.0	2.0187	2.0218	2.0262	2.0389	2.0494	2.0582	2.0655	2.0709	2.0732
3600.0	2.0232	2.0263	2.0307	2.0435	2.0541	2.0630	2.0703	2.0758	2.0783
3650.0	2.0276	2.0308	2.0352	2.0481	2.0587	2.0677	2.0751	2.0807	2.0834
3700.0	2.0320	2.0352	2.0397	2.0526	2.0634	2.0724	2.0799	2.0855	2.0885
3750.0	2.0363	2.0396	2.0441	2.0571	2.0679	2.0771	2.0846	2.0904	2.0937
3800.0	2.0406	2.0439	2.0484	2.0615	2.0725	2.0817	2.0893	2.0952	2.0988
3850.0	2.0449	2.0482	2.0527	2.0659	2.0769	2.0863	2.0940	2.1000	2.1039
3900.0	2.0491	2.0524	2.0570	2.0703	2.0814	2.0908	2.0986	2.1048	2.1091
3950.0	2.0532	2.0566	2.0612	2.0746	2.0858	2.0953	2.1032	2.1096	2.1143
4000.0	2.0574	2.0607	2.0654	2.0789	2.0902	2.0998	2.1078	2.1144	2.1195

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ENTROPY

PRESSURE = 600.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	1.4170	1.4187	1.4209	1.4263	1.4298	1.4318	1.4324	1.4312	1.4285
700.0	1.4551	1.4569	1.4592	1.4650	1.4689	1.4712	1.4721	1.4713	1.4689
800.0	1.4881	1.4899	1.4924	1.4985	1.5028	1.5055	1.5067	1.5062	1.5040
900.0	1.5169	1.5188	1.5213	1.5278	1.5324	1.5354	1.5370	1.5368	1.5348
1000.0	1.5429	1.5449	1.5475	1.5544	1.5592	1.5626	1.5645	1.5646	1.5628
1100.0	1.5670	1.5690	1.5717	1.5789	1.5841	1.5878	1.5899	1.5904	1.5888
1200.0	1.5893	1.5914	1.5942	1.6017	1.6072	1.6111	1.6136	1.6143	1.6129
1300.0	1.6101	1.6122	1.6151	1.6229	1.6287	1.6329	1.6356	1.6366	1.6354
1400.0	1.6295	1.6317	1.6346	1.6427	1.6488	1.6532	1.6562	1.6575	1.6564
1500.0	1.6477	1.6499	1.6530	1.6613	1.6676	1.6724	1.6756	1.6771	1.6762
1600.0	1.6648	1.6672	1.6703	1.6789	1.6855	1.6905	1.6940	1.6957	1.6950
1700.0	1.6812	1.6836	1.6868	1.6957	1.7025	1.7077	1.7115	1.7135	1.7129
1800.0	1.6970	1.6994	1.7027	1.7118	1.7189	1.7244	1.7284	1.7306	1.7302
1900.0	1.7118	1.7143	1.7176	1.7270	1.7343	1.7400	1.7442	1.7466	1.7464
2000.0	1.7263	1.7288	1.7323	1.7419	1.7494	1.7553	1.7598	1.7624	1.7623
2150.0	1.7470	1.7496	1.7531	1.7630	1.7709	1.7772	1.7820	1.7849	1.7851
2200.0	1.7536	1.7562	1.7598	1.7698	1.7778	1.7842	1.7890	1.7921	1.7923
2250.0	1.7600	1.7626	1.7662	1.7764	1.7845	1.7910	1.7959	1.7991	1.7994
2300.0	1.7662	1.7689	1.7725	1.7828	1.7910	1.7976	1.8027	1.8059	1.8063
2350.0	1.7723	1.7750	1.7787	1.7891	1.7974	1.8041	1.8093	1.8126	1.8131
2400.0	1.7783	1.7810	1.7847	1.7952	1.8036	1.8104	1.8157	1.8192	1.8197
2450.0	1.7842	1.7869	1.7907	1.8012	1.8098	1.8167	1.8221	1.8256	1.8262
2500.0	1.7899	1.7927	1.7965	1.8072	1.8158	1.8228	1.8283	1.8320	1.8326
2550.0	1.7956	1.7984	1.8022	1.8130	1.8217	1.8288	1.8344	1.8382	1.8389
2600.0	1.8012	1.8040	1.8079	1.8188	1.8276	1.8348	1.8405	1.8444	1.8451
2650.0	1.8068	1.8096	1.8135	1.8245	1.8334	1.8407	1.8465	1.8505	1.8513
2700.0	1.8124	1.8152	1.8191	1.8302	1.8392	1.8467	1.8525	1.8566	1.8575
2750.0	1.8177	1.8206	1.8245	1.8357	1.8448	1.8523	1.8583	1.8624	1.8634
2800.0	1.8230	1.8258	1.8298	1.8411	1.8503	1.8579	1.8640	1.8682	1.8692
2850.0	1.8282	1.8311	1.8350	1.8464	1.8558	1.8635	1.8696	1.8739	1.8750
2900.0	1.8333	1.8362	1.8402	1.8517	1.8611	1.8689	1.8752	1.8796	1.8807
2950.0	1.8384	1.8413	1.8453	1.8569	1.8664	1.8743	1.8806	1.8851	1.8864
3000.0	1.8434	1.8463	1.8504	1.8621	1.8717	1.8796	1.8861	1.8907	1.8919
3050.0	1.8483	1.8513	1.8554	1.8671	1.8768	1.8849	1.8914	1.8961	1.8974
3100.0	1.8532	1.8561	1.8603	1.8721	1.8819	1.8901	1.8967	1.9015	1.9029
3150.0	1.8580	1.8610	1.8651	1.8771	1.8870	1.8952	1.9019	1.9068	1.9082
3200.0	1.8627	1.8657	1.8699	1.8820	1.8919	1.9003	1.9070	1.9120	1.9135
3250.0	1.8674	1.8704	1.8746	1.8868	1.8968	1.9053	1.9121	1.9171	1.9187
3300.0	1.8720	1.8751	1.8793	1.8916	1.9017	1.9102	1.9171	1.9222	1.9239
3350.0	1.8767	1.8798	1.8841	1.8964	1.9066	1.9152	1.9222	1.9274	1.9290
3400.0	1.8814	1.8845	1.8888	1.9012	1.9115	1.9201	1.9272	1.9324	1.9341
3450.0	1.8861	1.8892	1.8935	1.9060	1.9163	1.9250	1.9322	1.9374	1.9392
3500.0	1.8906	1.8937	1.8981	1.9106	1.9211	1.9299	1.9370	1.9424	1.9442
3550.0	1.8951	1.8983	1.9027	1.9153	1.9258	1.9346	1.9419	1.9473	1.9492
3600.0	1.8996	1.9028	1.9072	1.9199	1.9304	1.9393	1.9467	1.9521	1.9541
3650.0	1.9040	1.9072	1.9116	1.9244	1.9350	1.9440	1.9514	1.9569	1.9590
3700.0	1.9084	1.9116	1.9160	1.9289	1.9396	1.9486	1.9560	1.9616	1.9639
3750.0	1.9127	1.9159	1.9204	1.9333	1.9441	1.9532	1.9607	1.9663	1.9687
3800.0	1.9169	1.9201	1.9246	1.9376	1.9485	1.9577	1.9652	1.9709	1.9735
3850.0	1.9211	1.9244	1.9289	1.9420	1.9529	1.9621	1.9697	1.9755	1.9783
3900.0	1.9252	1.9285	1.9331	1.9462	1.9572	1.9665	1.9742	1.9800	1.9830
3950.0	1.9293	1.9326	1.9372	1.9505	1.9615	1.9709	1.9786	1.9845	1.9877
4000.0	1.9334	1.9367	1.9413	1.9546	1.9658	1.9752	1.9830	1.9890	1.9925

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Table 6. Specific Heat at Constant Pressure of $C_nH_{1.95n}$/Air Exhaust Gases for Various Temperatures and Pressures

Temperature Range: 600 to 4,000°R

0.1 to 600.0 psia [redacted]

SPECIFIC HEAT

PRESSURE = 0.1000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	0.2418	0.2423	0.2430	0.2452	0.2474	0.2496	0.2517	0.2538	0.2552
700.0	0.2432	0.2438	0.2445	0.2471	0.2496	0.2521	0.2545	0.2569	0.2585
800.0	0.2452	0.2457	0.2466	0.2494	0.2522	0.2549	0.2576	0.2602	0.2620
900.0	0.2476	0.2482	0.2491	0.2522	0.2551	0.2581	0.2609	0.2638	0.2657
1000.0	0.2505	0.2512	0.2521	0.2554	0.2585	0.2616	0.2647	0.2677	0.2697
1100.0	0.2536	0.2543	0.2553	0.2587	0.2620	0.2653	0.2685	0.2717	0.2738
1200.0	0.2568	0.2575	0.2586	0.2622	0.2656	0.2691	0.2724	0.2757	0.2780
1300.0	0.2600	0.2608	0.2619	0.2656	0.2693	0.2728	0.2764	0.2798	0.2822
1400.0	0.2633	0.2641	0.2652	0.2691	0.2729	0.2766	0.2802	0.2838	0.2863
1500.0	0.2665	0.2673	0.2685	0.2725	0.2764	0.2803	0.2840	0.2878	0.2903
1600.0	0.2695	0.2703	0.2716	0.2757	0.2798	0.2838	0.2877	0.2915	0.2942
1700.0	0.2724	0.2732	0.2745	0.2788	0.2830	0.2871	0.2912	0.2952	0.2979
1800.0	0.2750	0.2759	0.2772	0.2816	0.2860	0.2902	0.2944	0.2985	0.3013
1900.0	0.2775	0.2784	0.2798	0.2844	0.2888	0.2932	0.2975	0.3017	0.3046
2000.0	0.2798	0.2808	0.2822	0.2869	0.2915	0.2960	0.3004	0.3048	0.3077
2150.0	0.2831	0.2841	0.2855	0.2904	0.2952	0.2999	0.3045	0.3090	0.3121
2200.0	0.2841	0.2851	0.2866	0.2915	0.2963	0.3011	0.3057	0.3103	0.3135
2250.0	0.2850	0.2861	0.2876	0.2926	0.2975	0.3023	0.3070	0.3116	0.3148
2300.0	0.2860	0.2870	0.2885	0.2936	0.2985	0.3034	0.3082	0.3128	0.3161
2350.0	0.2869	0.2879	0.2895	0.2946	0.2996	0.3045	0.3093	0.3140	0.3173
2400.0	0.2878	0.2888	0.2904	0.2955	0.3006	0.3056	0.3104	0.3152	0.3185
2450.0	0.2886	0.2897	0.2912	0.2965	0.3016	0.3066	0.3115	0.3163	0.3196
2500.0	0.2894	0.2905	0.2921	0.2973	0.3025	0.3076	0.3125	0.3174	0.3208
2550.0	0.2902	0.2913	0.2929	0.2982	0.3034	0.3085	0.3135	0.3184	0.3218
2600.0	0.2909	0.2920	0.2936	0.2990	0.3043	0.3094	0.3145	0.3195	0.3229
2650.0	0.2916	0.2927	0.2944	0.2998	0.3051	0.3103	0.3154	0.3204	0.3239
2700.0	0.2923	0.2934	0.2951	0.3006	0.3059	0.3111	0.3163	0.3213	0.3248
2750.0	0.2930	0.2941	0.2958	0.3013	0.3067	0.3120	0.3172	0.3222	0.3257
2800.0	0.2936	0.2948	0.2965	0.3020	0.3074	0.3128	0.3180	0.3231	0.3266
2850.0	0.2943	0.2954	0.2971	0.3027	0.3082	0.3135	0.3188	0.3240	0.3275
2900.0	0.2949	0.2961	0.2978	0.3034	0.3089	0.3143	0.3196	0.3248	0.3284
2950.0	0.2955	0.2967	0.2984	0.3041	0.3096	0.3150	0.3204	0.3256	0.3292
3000.0	0.2961	0.2973	0.2990	0.3047	0.3103	0.3158	0.3211	0.3264	0.3300
3050.0	0.2967	0.2979	0.2996	0.3053	0.3110	0.3165	0.3219	0.3272	0.3308
3100.0	0.2973	0.2984	0.3002	0.3060	0.3116	0.3172	0.3226	0.3279	0.3316
3150.0	0.2978	0.2990	0.3008	0.3066	0.3123	0.3178	0.3233	0.3287	0.3323
3200.0	0.2984	0.2996	0.3013	0.3072	0.3129	0.3185	0.3240	0.3294	0.3330
3250.0	0.2989	0.3001	0.3019	0.3077	0.3135	0.3191	0.3246	0.3300	0.3337
3300.0	0.2994	0.3006	0.3024	0.3083	0.3141	0.3197	0.3253	0.3307	0.3343
3350.0	0.2999	0.3011	0.3029	0.3088	0.3146	0.3203	0.3259	0.3313	0.3350
3400.0	0.3004	0.3016	0.3034	0.3093	0.3152	0.3209	0.3265	0.3319	0.3356
3450.0	0.3009	0.3021	0.3039	0.3099	0.3157	0.3214	0.3270	0.3325	0.3361
3500.0	0.3013	0.3025	0.3044	0.3103	0.3162	0.3220	0.3276	0.3330	0.3367
3550.0	0.3018	0.3030	0.3048	0.3108	0.3167	0.3225	0.3281	0.3335	0.3372
3600.0	0.3022	0.3034	0.3052	0.3113	0.3172	0.3229	0.3286	0.3340	0.3376
3650.0	0.3026	0.3038	0.3057	0.3117	0.3176	0.3234	0.3290	0.3345	0.3381
3700.0	0.3030	0.3042	0.3061	0.3121	0.3180	0.3238	0.3295	0.3349	0.3385
3750.0	0.3034	0.3046	0.3065	0.3125	0.3185	0.3242	0.3299	0.3353	0.3389
3800.0	0.3038	0.3050	0.3069	0.3129	0.3188	0.3246	0.3303	0.3357	0.3393
3850.0	0.3042	0.3054	0.3072	0.3133	0.3192	0.3250	0.3308	0.3360	0.3396
3900.0	0.3045	0.3057	0.3076	0.3137	0.3196	0.3253	0.3309	0.3363	0.3399
3950.0	0.3049	0.3061	0.3079	0.3140	0.3199	0.3257	0.3313	0.3366	0.3402
4000.0	0.3052	0.3064	0.3083	0.3143	0.3202	0.3260	0.3316	0.3369	0.3405

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SPECIFIC HEAT

PRESSURE = 0.5000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	0.2418	0.2423	0.2430	0.2452	0.2474	0.2496	0.2517	0.2538	0.2552
700.0	0.2432	0.2438	0.2445	0.2471	0.2496	0.2521	0.2545	0.2569	0.2585
800.0	0.2452	0.2457	0.2466	0.2494	0.2522	0.2549	0.2576	0.2602	0.2620
900.0	0.2476	0.2482	0.2491	0.2522	0.2551	0.2581	0.2609	0.2638	0.2657
1000.0	0.2505	0.2512	0.2521	0.2554	0.2585	0.2616	0.2647	0.2677	0.2697
1100.0	0.2536	0.2543	0.2553	0.2587	0.2620	0.2653	0.2685	0.2717	0.2738
1200.0	0.2568	0.2575	0.2586	0.2622	0.2656	0.2691	0.2724	0.2757	0.2780
1300.0	0.2600	0.2608	0.2619	0.2656	0.2693	0.2728	0.2764	0.2798	0.2822
1400.0	0.2633	0.2641	0.2652	0.2691	0.2729	0.2766	0.2802	0.2838	0.2863
1500.0	0.2665	0.2673	0.2685	0.2725	0.2764	0.2803	0.2840	0.2878	0.2903
1600.0	0.2695	0.2703	0.2716	0.2757	0.2798	0.2838	0.2877	0.2915	0.2942
1700.0	0.2724	0.2732	0.2745	0.2788	0.2830	0.2871	0.2912	0.2952	0.2979
1800.0	0.2750	0.2759	0.2772	0.2816	0.2860	0.2902	0.2944	0.2985	0.3013
1900.0	0.2775	0.2784	0.2798	0.2844	0.2888	0.2932	0.2975	0.3017	0.3046
2000.0	0.2798	0.2808	0.2822	0.2869	0.2915	0.2960	0.3004	0.3048	0.3077
2150.0	0.2831	0.2841	0.2855	0.2904	0.2952	0.2999	0.3045	0.3090	0.3121
2200.0	0.2841	0.2851	0.2866	0.2915	0.2963	0.3011	0.3057	0.3103	0.3135
2250.0	0.2850	0.2861	0.2876	0.2926	0.2975	0.3023	0.3070	0.3116	0.3148
2300.0	0.2860	0.2870	0.2885	0.2936	0.2985	0.3034	0.3082	0.3128	0.3161
2350.0	0.2869	0.2879	0.2895	0.2946	0.2996	0.3045	0.3093	0.3140	0.3173
2400.0	0.2878	0.2888	0.2904	0.2955	0.3006	0.3056	0.3104	0.3152	0.3185
2450.0	0.2886	0.2897	0.2912	0.2965	0.3016	0.3066	0.3115	0.3163	0.3196
2500.0	0.2894	0.2905	0.2921	0.2973	0.3025	0.3076	0.3125	0.3174	0.3208
2550.0	0.2902	0.2913	0.2929	0.2982	0.3034	0.3085	0.3135	0.3184	0.3218
2600.0	0.2909	0.2920	0.2936	0.2990	0.3043	0.3094	0.3145	0.3195	0.3229
2650.0	0.2916	0.2927	0.2944	0.2998	0.3051	0.3103	0.3154	0.3206	0.3239
2700.0	0.2923	0.2934	0.2951	0.3006	0.3059	0.3111	0.3163	0.3213	0.3248
2750.0	0.2930	0.2941	0.2958	0.3013	0.3067	0.3120	0.3172	0.3222	0.3257
2800.0	0.2936	0.2948	0.2965	0.3020	0.3074	0.3128	0.3180	0.3231	0.3266
2850.0	0.2943	0.2954	0.2971	0.3027	0.3082	0.3135	0.3188	0.3240	0.3275
2900.0	0.2949	0.2961	0.2978	0.3034	0.3089	0.3143	0.3196	0.3248	0.3284
2950.0	0.2955	0.2967	0.2984	0.3041	0.3096	0.3150	0.3204	0.3256	0.3292
3000.0	0.2961	0.2973	0.2990	0.3047	0.3103	0.3158	0.3212	0.3264	0.3300
3050.0	0.2967	0.2979	0.2996	0.3053	0.3110	0.3165	0.3219	0.3272	0.3308
3100.0	0.2973	0.2984	0.3002	0.3060	0.3116	0.3172	0.3226	0.3279	0.3316
3150.0	0.2978	0.2990	0.3008	0.3066	0.3123	0.3178	0.3233	0.3287	0.3323
3200.0	0.2984	0.2995	0.3013	0.3072	0.3129	0.3185	0.3240	0.3294	0.3331
3250.0	0.2989	0.3001	0.3019	0.3077	0.3135	0.3191	0.3247	0.3301	0.3338
3300.0	0.2994	0.3006	0.3024	0.3083	0.3141	0.3197	0.3253	0.3307	0.3344
3350.0	0.2999	0.3011	0.3029	0.3088	0.3146	0.3203	0.3259	0.3314	0.3351
3400.0	0.3004	0.3016	0.3034	0.3093	0.3152	0.3209	0.3265	0.3320	0.3357
3450.0	0.3008	0.3021	0.3039	0.3099	0.3157	0.3215	0.3271	0.3326	0.3363
3500.0	0.3013	0.3025	0.3043	0.3103	0.3162	0.3220	0.3276	0.3331	0.3368
3550.0	0.3017	0.3030	0.3048	0.3108	0.3167	0.3225	0.3282	0.3337	0.3374
3600.0	0.3022	0.3034	0.3052	0.3113	0.3172	0.3230	0.3287	0.3342	0.3379
3650.0	0.3026	0.3038	0.3057	0.3117	0.3177	0.3235	0.3292	0.3347	0.3384
3700.0	0.3030	0.3042	0.3061	0.3121	0.3181	0.3239	0.3296	0.3351	0.3388
3750.0	0.3034	0.3046	0.3065	0.3125	0.3185	0.3243	0.3300	0.3356	0.3392
3800.0	0.3037	0.3050	0.3068	0.3129	0.3189	0.3247	0.3305	0.3360	0.3396
3850.0	0.3041	0.3053	0.3072	0.3133	0.3193	0.3251	0.3308	0.3363	0.3400
3900.0	0.3044	0.3057	0.3075	0.3137	0.3196	0.3255	0.3312	0.3367	0.3403
3950.0	0.3048	0.3060	0.3079	0.3140	0.3200	0.3258	0.3315	0.3370	0.3406
4000.0	0.3051	0.3063	0.3082	0.3143	0.3203	0.3261	0.3318	0.3373	0.3409

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SPECIFIC HEAT

PRESSURE = 1.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	0.2418	0.2423	0.2430	0.2452	0.2474	0.2496	0.2517	0.2538	0.2552
700.0	0.2432	0.2438	0.2445	0.2471	0.2496	0.2521	0.2545	0.2569	0.2585
800.0	0.2452	0.2457	0.2466	0.2494	0.2522	0.2549	0.2576	0.2602	0.2620
900.0	0.2476	0.2482	0.2491	0.2522	0.2551	0.2581	0.2609	0.2638	0.2657
1000.0	0.2505	0.2512	0.2521	0.2554	0.2585	0.2616	0.2647	0.2677	0.2697
1100.0	0.2536	0.2543	0.2553	0.2587	0.2620	0.2653	0.2685	0.2717	0.2738
1200.0	0.2568	0.2575	0.2586	0.2622	0.2656	0.2691	0.2724	0.2757	0.2780
1300.0	0.2600	0.2608	0.2619	0.2656	0.2693	0.2728	0.2764	0.2798	0.2822
1400.0	0.2633	0.2641	0.2652	0.2691	0.2729	0.2766	0.2802	0.2838	0.2863
1500.0	0.2665	0.2673	0.2685	0.2725	0.2764	0.2803	0.2840	0.2878	0.2903
1600.0	0.2695	0.2703	0.2716	0.2757	0.2798	0.2838	0.2877	0.2915	0.2942
1700.0	0.2724	0.2732	0.2745	0.2788	0.2830	0.2871	0.2912	0.2952	0.2979
1800.0	0.2750	0.2759	0.2772	0.2816	0.2860	0.2902	0.2944	0.2985	0.3013
1900.0	0.2775	0.2784	0.2798	0.2844	0.2888	0.2932	0.2975	0.3017	0.3046
2000.0	0.2798	0.2808	0.2822	0.2869	0.2915	0.2960	0.3004	0.3048	0.3077
2150.0	0.2831	0.2841	0.2855	0.2904	0.2952	0.2999	0.3045	0.3090	0.3121
2200.0	0.2841	0.2851	0.2866	0.2915	0.2963	0.3011	0.3057	0.3103	0.3135
2250.0	0.2850	0.2861	0.2876	0.2926	0.2975	0.3023	0.3070	0.3116	0.3148
2300.0	0.2860	0.2870	0.2885	0.2936	0.2985	0.3034	0.3082	0.3128	0.3161
2350.0	0.2869	0.2879	0.2895	0.2946	0.2996	0.3045	0.3093	0.3140	0.3173
2400.0	0.2878	0.2888	0.2904	0.2955	0.3006	0.3056	0.3104	0.3152	0.3185
2450.0	0.2886	0.2897	0.2912	0.2965	0.3016	0.3066	0.3115	0.3163	0.3196
2500.0	0.2894	0.2905	0.2921	0.2973	0.3025	0.3076	0.3125	0.3174	0.3208
2550.0	0.2902	0.2913	0.2929	0.2982	0.3034	0.3085	0.3135	0.3184	0.3218
2600.0	0.2909	0.2920	0.2936	0.2990	0.3043	0.3094	0.3145	0.3195	0.3229
2650.0	0.2916	0.2927	0.2944	0.2998	0.3051	0.3103	0.3154	0.3204	0.3239
2700.0	0.2923	0.2934	0.2951	0.3006	0.3059	0.3111	0.3163	0.3213	0.3248
2750.0	0.2930	0.2941	0.2958	0.3013	0.3067	0.3120	0.3172	0.3222	0.3257
2800.0	0.2936	0.2948	0.2965	0.3020	0.3074	0.3128	0.3180	0.3231	0.3267
2850.0	0.2943	0.2954	0.2971	0.3027	0.3082	0.3135	0.3188	0.3240	0.3275
2900.0	0.2949	0.2961	0.2978	0.3034	0.3089	0.3143	0.3196	0.3248	0.3284
2950.0	0.2955	0.2967	0.2984	0.3041	0.3096	0.3150	0.3204	0.3256	0.3292
3000.0	0.2961	0.2973	0.2990	0.3047	0.3103	0.3158	0.3212	0.3264	0.3300
3050.0	0.2967	0.2979	0.2996	0.3053	0.3110	0.3165	0.3219	0.3272	0.3308
3100.0	0.2973	0.2984	0.3002	0.3060	0.3116	0.3172	0.3226	0.3280	0.3316
3150.0	0.2978	0.2990	0.3008	0.3066	0.3123	0.3178	0.3233	0.3287	0.3324
3200.0	0.2984	0.2995	0.3013	0.3072	0.3129	0.3185	0.3240	0.3294	0.3331
3250.0	0.2989	0.3001	0.3019	0.3077	0.3135	0.3191	0.3247	0.3301	0.3338
3300.0	0.2994	0.3006	0.3024	0.3083	0.3141	0.3197	0.3253	0.3307	0.3345
3350.0	0.2999	0.3011	0.3029	0.3088	0.3146	0.3203	0.3259	0.3314	0.3351
3400.0	0.3004	0.3016	0.3034	0.3093	0.3152	0.3209	0.3265	0.3320	0.3357
3450.0	0.3008	0.3021	0.3039	0.3099	0.3157	0.3215	0.3271	0.3326	0.3363
3500.0	0.3013	0.3025	0.3043	0.3103	0.3162	0.3220	0.3277	0.3332	0.3369
3550.0	0.3017	0.3030	0.3048	0.3108	0.3167	0.3225	0.3282	0.3337	0.3374
3600.0	0.3022	0.3034	0.3052	0.3113	0.3172	0.3230	0.3287	0.3342	0.3380
3650.0	0.3026	0.3038	0.3056	0.3117	0.3177	0.3235	0.3292	0.3347	0.3384
3700.0	0.3030	0.3042	0.3061	0.3121	0.3181	0.3239	0.3297	0.3352	0.3389
3750.0	0.3034	0.3046	0.3064	0.3125	0.3185	0.3244	0.3301	0.3357	0.3393
3800.0	0.3037	0.3050	0.3068	0.3129	0.3189	0.3248	0.3305	0.3361	0.3398
3850.0	0.3041	0.3053	0.3072	0.3133	0.3193	0.3252	0.3309	0.3365	0.3401
3900.0	0.3044	0.3057	0.3075	0.3137	0.3197	0.3255	0.3313	0.3368	0.3405
3950.0	0.3047	0.3060	0.3079	0.3140	0.3200	0.3259	0.3316	0.3371	0.3408
4000.0	0.3051	0.3063	0.3082	0.3143	0.3203	0.3262	0.3319	0.3375	0.3411

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SPECIFIC HEAT

PRESSURE = 5.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	0.2418	0.2423	0.2430	0.2452	0.2474	0.2496	0.2517	0.2538	0.2552
700.0	0.2432	0.2438	0.2445	0.2471	0.2496	0.2521	0.2545	0.2569	0.2585
800.0	0.2452	0.2457	0.2466	0.2494	0.2522	0.2549	0.2576	0.2602	0.2620
900.0	0.2476	0.2482	0.2491	0.2522	0.2551	0.2581	0.2609	0.2638	0.2657
1000.0	0.2505	0.2512	0.2521	0.2554	0.2585	0.2616	0.2647	0.2677	0.2697
1100.0	0.2536	0.2543	0.2553	0.2587	0.2620	0.2653	0.2685	0.2717	0.2738
1200.0	0.2568	0.2575	0.2586	0.2622	0.2656	0.2691	0.2724	0.2757	0.2780
1300.0	0.2600	0.2608	0.2619	0.2656	0.2693	0.2728	0.2764	0.2798	0.2822
1400.0	0.2633	0.2641	0.2652	0.2691	0.2729	0.2766	0.2802	0.2838	0.2863
1500.0	0.2665	0.2673	0.2685	0.2725	0.2764	0.2803	0.2840	0.2878	0.2903
1600.0	0.2695	0.2703	0.2716	0.2757	0.2798	0.2838	0.2877	0.2915	0.2942
1700.0	0.2724	0.2732	0.2745	0.2788	0.2830	0.2871	0.2912	0.2952	0.2979
1800.0	0.2750	0.2759	0.2772	0.2816	0.2860	0.2902	0.2944	0.2985	0.3013
1900.0	0.2775	0.2784	0.2798	0.2844	0.2888	0.2932	0.2975	0.3017	0.3046
2000.0	0.2798	0.2808	0.2822	0.2869	0.2915	0.2960	0.3004	0.3048	0.3077
2150.0	0.2831	0.2841	0.2855	0.2904	0.2952	0.2999	0.3045	0.3090	0.3121
2200.0	0.2841	0.2851	0.2866	0.2915	0.2963	0.3011	0.3057	0.3103	0.3135
2250.0	0.2850	0.2861	0.2876	0.2926	0.2975	0.3023	0.3070	0.3116	0.3148
2300.0	0.2860	0.2870	0.2885	0.2936	0.2985	0.3034	0.3082	0.3128	0.3161
2350.0	0.2869	0.2879	0.2895	0.2946	0.2996	0.3045	0.3093	0.3140	0.3173
2400.0	0.2878	0.2888	0.2904	0.2955	0.3006	0.3056	0.3104	0.3152	0.3185
2450.0	0.2886	0.2897	0.2912	0.2965	0.3016	0.3066	0.3115	0.3163	0.3196
2500.0	0.2894	0.2905	0.2921	0.2973	0.3025	0.3076	0.3125	0.3174	0.3208
2550.0	0.2902	0.2913	0.2929	0.2982	0.3034	0.3085	0.3135	0.3184	0.3218
2600.0	0.2909	0.2920	0.2936	0.2990	0.3043	0.3094	0.3145	0.3195	0.3229
2650.0	0.2916	0.2927	0.2944	0.2998	0.3051	0.3103	0.3154	0.3204	0.3239
2700.0	0.2923	0.2934	0.2951	0.3006	0.3059	0.3111	0.3163	0.3213	0.3248
2750.0	0.2930	0.2941	0.2958	0.3013	0.3067	0.3120	0.3172	0.3222	0.3257
2800.0	0.2936	0.2948	0.2965	0.3020	0.3074	0.3128	0.3180	0.3231	0.3267
2850.0	0.2943	0.2954	0.2971	0.3027	0.3082	0.3135	0.3188	0.3240	0.3275
2900.0	0.2949	0.2961	0.2978	0.3034	0.3089	0.3143	0.3196	0.3248	0.3284
2950.0	0.2955	0.2967	0.2984	0.3041	0.3096	0.3151	0.3204	0.3256	0.3292
3000.0	0.2961	0.2973	0.2990	0.3047	0.3103	0.3158	0.3212	0.3264	0.3301
3050.0	0.2967	0.2979	0.2996	0.3053	0.3110	0.3165	0.3219	0.3272	0.3309
3100.0	0.2973	0.2984	0.3002	0.3060	0.3116	0.3172	0.3226	0.3280	0.3316
3150.0	0.2978	0.2990	0.3008	0.3066	0.3123	0.3178	0.3233	0.3287	0.3324
3200.0	0.2984	0.2995	0.3013	0.3072	0.3129	0.3185	0.3240	0.3294	0.3331
3250.0	0.2989	0.3001	0.3019	0.3077	0.3135	0.3191	0.3247	0.3301	0.3338
3300.0	0.2994	0.3006	0.3024	0.3083	0.3141	0.3197	0.3253	0.3308	0.3345
3350.0	0.2999	0.3011	0.3029	0.3088	0.3146	0.3203	0.3259	0.3314	0.3352
3400.0	0.3004	0.3016	0.3034	0.3093	0.3152	0.3209	0.3265	0.3320	0.3358
3450.0	0.3008	0.3021	0.3039	0.3099	0.3157	0.3215	0.3271	0.3326	0.3364
3500.0	0.3013	0.3025	0.3043	0.3103	0.3162	0.3220	0.3277	0.3332	0.3370
3550.0	0.3017	0.3030	0.3048	0.3108	0.3167	0.3225	0.3282	0.3338	0.3376
3600.0	0.3022	0.3034	0.3052	0.3113	0.3172	0.3230	0.3287	0.3343	0.3381
3650.0	0.3026	0.3038	0.3056	0.3117	0.3177	0.3235	0.3292	0.3348	0.3386
3700.0	0.3030	0.3042	0.3061	0.3121	0.3181	0.3240	0.3297	0.3353	0.3391
3750.0	0.3033	0.3046	0.3064	0.3126	0.3185	0.3244	0.3302	0.3358	0.3395
3800.0	0.3037	0.3050	0.3068	0.3129	0.3190	0.3248	0.3306	0.3362	0.3400
3850.0	0.3041	0.3053	0.3072	0.3133	0.3193	0.3252	0.3310	0.3366	0.3404
3900.0	0.3044	0.3056	0.3075	0.3137	0.3197	0.3256	0.3314	0.3370	0.3408
3950.0	0.3047	0.3060	0.3079	0.3140	0.3201	0.3260	0.3318	0.3374	0.3411
4000.0	0.3050	0.3063	0.3082	0.3143	0.3204	0.3263	0.3321	0.3377	0.3415

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PRESSURE = 10.0000 SPECIFIC HEAT

TEMPERATURE DEGREES R	FUEL/AIR RATIO 0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.062
400.0	0.2418	0.2423	0.2430	0.2452	0.2474	0.2496	0.2517	0.2538	0.2542
700.0	0.2432	0.2438	0.2445	0.2471	0.2496	0.2521	0.2545	0.2569	0.2585
800.0	0.2452	0.2457	0.2466	0.2494	0.2522	0.2549	0.2576	0.2602	0.2620
900.0	0.2476	0.2482	0.2491	0.2522	0.2551	0.2581	0.2609	0.2638	0.2657
1000.0	0.2505	0.2512	0.2521	0.2554	0.2585	0.2616	0.2647	0.2677	0.2697
1100.0	0.2536	0.2543	0.2553	0.2587	0.2620	0.2653	0.2685	0.2717	0.2738
1200.0	0.2568	0.2575	0.2586	0.2622	0.2656	0.2691	0.2724	0.2757	0.2780
1300.0	0.2600	0.2608	0.2619	0.2656	0.2693	0.2728	0.2764	0.2798	0.2822
1400.0	0.2633	0.2641	0.2652	0.2691	0.2729	0.2766	0.2802	0.2838	0.2863
1500.0	0.2665	0.2673	0.2685	0.2725	0.2764	0.2803	0.2840	0.2878	0.2903
1600.0	0.2695	0.2703	0.2716	0.2757	0.2798	0.2838	0.2877	0.2915	0.2942
1700.0	0.2724	0.2732	0.2745	0.2788	0.2830	0.2871	0.2912	0.2952	0.2979
1800.0	0.2750	0.2759	0.2772	0.2816	0.2860	0.2902	0.2944	0.2985	0.3013
1900.0	0.2775	0.2784	0.2798	0.2844	0.2888	0.2932	0.2975	0.3017	0.3046
2000.0	0.2798	0.2808	0.2822	0.2869	0.2915	0.2960	0.3004	0.3048	0.3077
2150.0	0.2831	0.2841	0.2855	0.2904	0.2952	0.2999	0.3045	0.3090	0.3121
2200.0	0.2841	0.2851	0.2866	0.2915	0.2963	0.3011	0.3057	0.3103	0.3135
2250.0	0.2850	0.2861	0.2876	0.2926	0.2975	0.3023	0.3070	0.3116	0.3148
2300.0	0.2860	0.2870	0.2885	0.2936	0.2985	0.3034	0.3082	0.3128	0.3161
2350.0	0.2869	0.2879	0.2895	0.2946	0.2996	0.3045	0.3093	0.3140	0.3173
2400.0	0.2878	0.2888	0.2904	0.2955	0.3006	0.3056	0.3104	0.3152	0.3185
2450.0	0.2886	0.2897	0.2912	0.2965	0.3016	0.3066	0.3115	0.3163	0.3196
2500.0	0.2894	0.2905	0.2921	0.2973	0.3025	0.3076	0.3125	0.3174	0.3208
2550.0	0.2902	0.2913	0.2929	0.2982	0.3034	0.3085	0.3135	0.3184	0.3218
2600.0	0.2909	0.2920	0.2936	0.2990	0.3043	0.3094	0.3145	0.3195	0.3229
2650.0	0.2916	0.2927	0.2944	0.2998	0.3051	0.3103	0.3154	0.3204	0.3239
2700.0	0.2923	0.2934	0.2951	0.3006	0.3059	0.3111	0.3163	0.3213	0.3248
2750.0	0.2930	0.2941	0.2958	0.3013	0.3067	0.3120	0.3172	0.3222	0.3257
2800.0	0.2936	0.2948	0.2965	0.3020	0.3074	0.3128	0.3180	0.3231	0.3267
2850.0	0.2943	0.2954	0.2971	0.3027	0.3082	0.3135	0.3188	0.3240	0.3275
2900.0	0.2949	0.2961	0.2978	0.3034	0.3089	0.3143	0.3196	0.3248	0.3284
2950.0	0.2955	0.2967	0.2984	0.3041	0.3096	0.3151	0.3204	0.3256	0.3292
3000.0	0.2961	0.2973	0.2990	0.3047	0.3103	0.3158	0.3212	0.3264	0.3301
3050.0	0.2967	0.2979	0.2996	0.3053	0.3110	0.3165	0.3219	0.3272	0.3309
3100.0	0.2973	0.2984	0.3002	0.3060	0.3116	0.3172	0.3226	0.3280	0.3316
3150.0	0.2978	0.2990	0.3008	0.3066	0.3123	0.3178	0.3233	0.3287	0.3324
3200.0	0.2984	0.2995	0.3013	0.3072	0.3129	0.3185	0.3240	0.3294	0.3331
3250.0	0.2989	0.3001	0.3019	0.3077	0.3135	0.3191	0.3247	0.3301	0.3338
3300.0	0.2994	0.3006	0.3024	0.3083	0.3141	0.3197	0.3253	0.3308	0.3345
3350.0	0.2999	0.3011	0.3029	0.3088	0.3146	0.3203	0.3259	0.3314	0.3352
3400.0	0.3004	0.3016	0.3034	0.3094	0.3152	0.3209	0.3265	0.3320	0.3358
3450.0	0.3008	0.3021	0.3039	0.3099	0.3157	0.3215	0.3271	0.3327	0.3364
3500.0	0.3013	0.3025	0.3043	0.3103	0.3162	0.3220	0.3277	0.3332	0.3370
3550.0	0.3017	0.3030	0.3048	0.3108	0.3167	0.3225	0.3282	0.3338	0.3376
3600.0	0.3022	0.3034	0.3052	0.3113	0.3172	0.3230	0.3287	0.3343	0.3381
3650.0	0.3026	0.3038	0.3056	0.3117	0.3177	0.3235	0.3293	0.3349	0.3386
3700.0	0.3030	0.3042	0.3061	0.3121	0.3181	0.3240	0.3297	0.3354	0.3391
3750.0	0.3033	0.3046	0.3064	0.3126	0.3186	0.3244	0.3302	0.3358	0.3396
3800.0	0.3037	0.3050	0.3068	0.3129	0.3190	0.3249	0.3306	0.3363	0.3401
3850.0	0.3041	0.3053	0.3072	0.3133	0.3194	0.3253	0.3310	0.3367	0.3405
3900.0	0.3044	0.3056	0.3075	0.3137	0.3197	0.3256	0.3314	0.3371	0.3409
3950.0	0.3047	0.3060	0.3079	0.3140	0.3201	0.3260	0.3318	0.3375	0.3412
4000.0	0.3050	0.3063	0.3082	0.3144	0.3204	0.3264	0.3322	0.3378	0.3416

SPECIFIC HEAT

PRESSURE = 14.6960

TEMPERATURE DEGREES R	FUEL/AIR RATIO 0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	0.2418	0.2423	0.2430	0.2452	0.2474	0.2496	0.2517	0.2538	0.2552
700.0	0.2439	0.2446	0.2455	0.2484	0.2511	0.2538	0.2565	0.2589	0.2605
800.0	0.2452	0.2457	0.2466	0.2494	0.2522	0.2549	0.2576	0.2602	0.2620
900.0	0.2476	0.2482	0.2491	0.2522	0.2551	0.2581	0.2609	0.2638	0.2657
1000.0	0.2505	0.2512	0.2521	0.2554	0.2585	0.2616	0.2647	0.2677	0.2697
1100.0	0.2534	0.2543	0.2553	0.2587	0.2620	0.2653	0.2685	0.2717	0.2738
1200.0	0.2568	0.2575	0.2586	0.2622	0.2656	0.2691	0.2724	0.2757	0.2780
1300.0	0.2600	0.2608	0.2619	0.2656	0.2693	0.2728	0.2764	0.2798	0.2822
1400.0	0.2633	0.2641	0.2652	0.2691	0.2729	0.2766	0.2802	0.2838	0.2863
1500.0	0.2665	0.2673	0.2685	0.2725	0.2764	0.2803	0.2840	0.2878	0.2903
1600.0	0.2695	0.2703	0.2716	0.2757	0.2798	0.2838	0.2877	0.2915	0.2942
1700.0	0.2724	0.2732	0.2745	0.2788	0.2830	0.2871	0.2912	0.2952	0.2979
1800.0	0.2750	0.2759	0.2772	0.2816	0.2860	0.2902	0.2944	0.2985	0.3013
1900.0	0.2775	0.2784	0.2798	0.2844	0.2888	0.2932	0.2975	0.3017	0.3046
2000.0	0.2798	0.2808	0.2822	0.2869	0.2915	0.2960	0.3004	0.3048	0.3077
2150.0	0.2831	0.2841	0.2855	0.2904	0.2952	0.2999	0.3045	0.3090	0.3121
2200.0	0.2841	0.2851	0.2866	0.2915	0.2963	0.3011	0.3057	0.3103	0.3135
2250.0	0.2850	0.2861	0.2876	0.2926	0.2975	0.3023	0.3070	0.3116	0.3148
2300.0	0.2860	0.2870	0.2885	0.2936	0.2985	0.3034	0.3082	0.3128	0.3161
2350.0	0.2869	0.2879	0.2895	0.2946	0.2996	0.3045	0.3093	0.3140	0.3173
2400.0	0.2878	0.2888	0.2904	0.2955	0.3006	0.3056	0.3104	0.3152	0.3185
2450.0	0.2886	0.2897	0.2912	0.2965	0.3016	0.3066	0.3115	0.3163	0.3196
2500.0	0.2894	0.2905	0.2921	0.2973	0.3025	0.3076	0.3125	0.3174	0.3208
2550.0	0.2902	0.2913	0.2929	0.2982	0.3034	0.3085	0.3135	0.3184	0.3218
2600.0	0.2909	0.2920	0.2936	0.2990	0.3043	0.3094	0.3145	0.3195	0.3229
2650.0	0.2916	0.2927	0.2944	0.2998	0.3051	0.3103	0.3154	0.3204	0.3239
2700.0	0.2923	0.2934	0.2951	0.3006	0.3059	0.3111	0.3163	0.3213	0.3248
2750.0	0.2930	0.2941	0.2958	0.3013	0.3067	0.3120	0.3172	0.3222	0.3257
2800.0	0.2936	0.2948	0.2965	0.3020	0.3074	0.3128	0.3180	0.3231	0.3267
2850.0	0.2943	0.2954	0.2971	0.3027	0.3082	0.3135	0.3188	0.3240	0.3275
2900.0	0.2949	0.2961	0.2978	0.3034	0.3089	0.3143	0.3196	0.3248	0.3284
2950.0	0.2955	0.2967	0.2984	0.3041	0.3096	0.3151	0.3204	0.3256	0.3292
3000.0	0.2961	0.2973	0.2990	0.3047	0.3103	0.3158	0.3212	0.3264	0.3301
3050.0	0.2967	0.2979	0.2996	0.3053	0.3110	0.3165	0.3219	0.3272	0.3309
3100.0	0.2973	0.2984	0.3002	0.3060	0.3116	0.3172	0.3226	0.3280	0.3316
3150.0	0.2978	0.2990	0.3008	0.3066	0.3123	0.3178	0.3233	0.3287	0.3324
3200.0	0.2984	0.2995	0.3013	0.3072	0.3129	0.3185	0.3240	0.3294	0.3331
3250.0	0.2989	0.3001	0.3019	0.3077	0.3135	0.3191	0.3247	0.3301	0.3338
3300.0	0.2994	0.3006	0.3024	0.3083	0.3141	0.3197	0.3253	0.3308	0.3345
3350.0	0.2999	0.3011	0.3029	0.3088	0.3146	0.3203	0.3259	0.3314	0.3352
3400.0	0.3004	0.3016	0.3034	0.3094	0.3152	0.3209	0.3265	0.3320	0.3358
3450.0	0.3008	0.3021	0.3039	0.3099	0.3157	0.3215	0.3271	0.3327	0.3364
3500.0	0.3013	0.3025	0.3043	0.3103	0.3162	0.3220	0.3277	0.3332	0.3370
3550.0	0.3017	0.3030	0.3048	0.3108	0.3167	0.3225	0.3282	0.3338	0.3376
3600.0	0.3022	0.3034	0.3052	0.3113	0.3172	0.3230	0.3288	0.3343	0.3381
3650.0	0.3026	0.3038	0.3056	0.3117	0.3177	0.3235	0.3293	0.3349	0.3387
3700.0	0.3030	0.3042	0.3060	0.3121	0.3181	0.3240	0.3297	0.3354	0.3392
3750.0	0.3033	0.3046	0.3064	0.3126	0.3186	0.3244	0.3302	0.3358	0.3396
3800.0	0.3037	0.3050	0.3068	0.3129	0.3190	0.3249	0.3306	0.3363	0.3401
3850.0	0.3041	0.3053	0.3072	0.3133	0.3194	0.3253	0.3311	0.3367	0.3405
3900.0	0.3044	0.3056	0.3075	0.3137	0.3197	0.3257	0.3315	0.3371	0.3409
3950.0	0.3047	0.3060	0.3078	0.3140	0.3201	0.3260	0.3318	0.3375	0.3413
4000.0	0.3050	0.3063	0.3082	0.3144	0.3204	0.3264	0.3322	0.3378	0.3416

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SPECIFIC HEAT

PRESSURE = 20.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	0.2418	0.2423	0.2430	0.2452	0.2474	0.2496	0.2517	0.2538	0.2552
700.0	0.2432	0.2438	0.2445	0.2471	0.2496	0.2521	0.2545	0.2569	0.2585
800.0	0.2452	0.2457	0.2466	0.2494	0.2522	0.2549	0.2576	0.2602	0.2620
900.0	0.2476	0.2482	0.2491	0.2522	0.2551	0.2581	0.2609	0.2638	0.2657
1000.0	0.2505	0.2512	0.2521	0.2554	0.2585	0.2616	0.2647	0.2677	0.2697
1100.0	0.2536	0.2543	0.2553	0.2587	0.2620	0.2653	0.2685	0.2717	0.2738
1200.0	0.2568	0.2575	0.2586	0.2622	0.2656	0.2691	0.2724	0.2757	0.2780
1300.0	0.2600	0.2608	0.2619	0.2656	0.2693	0.2728	0.2764	0.2798	0.2822
1400.0	0.2633	0.2641	0.2652	0.2691	0.2729	0.2766	0.2802	0.2838	0.2863
1500.0	0.2665	0.2673	0.2685	0.2725	0.2764	0.2803	0.2840	0.2878	0.2903
1600.0	0.2695	0.2703	0.2716	0.2757	0.2798	0.2838	0.2877	0.2915	0.2942
1700.0	0.2724	0.2732	0.2745	0.2788	0.2830	0.2871	0.2912	0.2952	0.2979
1800.0	0.2750	0.2759	0.2772	0.2816	0.2860	0.2902	0.2944	0.2985	0.3013
1900.0	0.2775	0.2784	0.2798	0.2844	0.2888	0.2932	0.2975	0.3017	0.3046
2000.0	0.2798	0.2808	0.2822	0.2869	0.2915	0.2960	0.3004	0.3048	0.3077
2150.0	0.2831	0.2841	0.2855	0.2904	0.2952	0.2999	0.3045	0.3090	0.3121
2200.0	0.2841	0.2851	0.2866	0.2915	0.2963	0.3011	0.3057	0.3103	0.3135
2250.0	0.2850	0.2861	0.2876	0.2926	0.2975	0.3023	0.3070	0.3116	0.3148
2300.0	0.2860	0.2870	0.2885	0.2936	0.2985	0.3034	0.3082	0.3128	0.3161
2350.0	0.2869	0.2879	0.2895	0.2946	0.2996	0.3045	0.3093	0.3140	0.3173
2400.0	0.2878	0.2888	0.2904	0.2955	0.3006	0.3056	0.3104	0.3152	0.3185
2450.0	0.2886	0.2897	0.2912	0.2965	0.3016	0.3066	0.3115	0.3163	0.3196
2500.0	0.2894	0.2905	0.2921	0.2973	0.3025	0.3076	0.3125	0.3174	0.3208
2550.0	0.2902	0.2913	0.2929	0.2982	0.3034	0.3085	0.3135	0.3184	0.3218
2600	0.2909	0.2920	0.2936	0.2990	0.3043	0.3094	0.3145	0.3195	0.3229
265	0.2916	0.2927	0.2944	0.2998	0.3051	0.3103	0.3154	0.3204	0.3239
270	0.2923	0.2934	0.2951	0.3006	0.3059	0.3111	0.3163	0.3213	0.3248
2750	0.2930	0.2941	0.2958	0.3013	0.3067	0.3120	0.3172	0.3222	0.3257
2800.0	0.2936	0.2948	0.2965	0.3020	0.3074	0.3128	0.3180	0.3231	0.3267
2850.0	0.2943	0.2954	0.2971	0.3027	0.3082	0.3135	0.3188	0.3240	0.3275
2900.0	0.2949	0.2961	0.2978	0.3034	0.3089	0.3143	0.3196	0.3248	0.3284
2950.0	0.2955	0.2967	0.2984	0.3041	0.3096	0.3151	0.3204	0.3256	0.3292
3000.0	0.2961	0.2973	0.2990	0.3047	0.3103	0.3158	0.3212	0.3264	0.3301
3050.0	0.2967	0.2979	0.2996	0.3053	0.3110	0.3165	0.3219	0.3272	0.3309
3100.0	0.2973	0.2984	0.3002	0.3060	0.3116	0.3172	0.3226	0.3280	0.3316
3150.0	0.2978	0.2990	0.3008	0.3066	0.3123	0.3178	0.3233	0.3287	0.3324
3200.0	0.2984	0.2995	0.3013	0.3072	0.3129	0.3185	0.3240	0.3294	0.3331
3250.0	0.2989	0.3001	0.3019	0.3077	0.3135	0.3191	0.3247	0.3301	0.3338
3300.0	0.2994	0.3006	0.3024	0.3083	0.3141	0.3197	0.3253	0.3308	0.3345
3350.0	0.2999	0.3011	0.3029	0.3088	0.3146	0.3203	0.3259	0.3314	0.3352
3400.0	0.3004	0.3016	0.3034	0.3094	0.3152	0.3209	0.3265	0.3321	0.3358
3450.0	0.3008	0.3021	0.3039	0.3099	0.3157	0.3215	0.3271	0.3327	0.3364
3500.0	0.3013	0.3025	0.3043	0.3103	0.3162	0.3220	0.3277	0.3332	0.3370
3550.0	0.3017	0.3030	0.3048	0.3108	0.3167	0.3225	0.3282	0.3338	0.3376
3600.0	0.3022	0.3034	0.3052	0.3113	0.3172	0.3230	0.3288	0.3344	0.3382
3650.0	0.3026	0.3038	0.3056	0.3117	0.3177	0.3235	0.3293	0.3349	0.3387
3700.0	0.3030	0.3042	0.3061	0.3121	0.3181	0.3240	0.3297	0.3354	0.3392
3750.0	0.3033	0.3046	0.3064	0.3126	0.3186	0.3244	0.3302	0.3358	0.3397
3800.0	0.3037	0.3049	0.3068	0.3130	0.3190	0.3249	0.3306	0.3363	0.3401
3850.0	0.3041	0.3053	0.3072	0.3133	0.3194	0.3253	0.3311	0.3367	0.3405
3900.0	0.3044	0.3056	0.3075	0.3137	0.3197	0.3257	0.3315	0.3371	0.3409
3950.0	0.3047	0.3060	0.3078	0.3140	0.3201	0.3260	0.3318	0.3375	0.3413
4000.0	0.3050	0.3063	0.3082	0.3144	0.3204	0.3264	0.3322	0.3379	0.3417

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SPECIFIC HEAT

PRESSURE = 50.0000
TEMPERATURE / FUEL/AIR RATIO

DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	0.2418	0.2423	0.2430	0.2452	0.2474	0.2496	0.2517	0.2538	0.2552
700.0	0.2432	0.2438	0.2445	0.2471	0.2496	0.2521	0.2545	0.2569	0.2585
800.0	0.2452	0.2457	0.2466	0.2494	0.2522	0.2549	0.2576	0.2602	0.2620
900.0	0.2476	0.2482	0.2491	0.2522	0.2551	0.2581	0.2609	0.2638	0.2657
1000.0	0.2505	0.2512	0.2521	0.2554	0.2585	0.2616	0.2647	0.2677	0.2697
1100.0	0.2536	0.2543	0.2553	0.2587	0.2620	0.2653	0.2685	0.2717	0.2738
1200.0	0.2568	0.2575	0.2586	0.2622	0.2656	0.2691	0.2724	0.2757	0.2780
1300.0	0.2600	0.2608	0.2619	0.2656	0.2693	0.2728	0.2764	0.2798	0.2822
1400.0	0.2633	0.2641	0.2652	0.2691	0.2729	0.2766	0.2802	0.2838	0.2863
1500.0	0.2665	0.2673	0.2685	0.2725	0.2764	0.2803	0.2840	0.2878	0.2903
1600.0	0.2695	0.2703	0.2716	0.2757	0.2798	0.2838	0.2877	0.2915	0.2942
1700.0	0.2724	0.2732	0.2745	0.2788	0.2830	0.2871	0.2912	0.2952	0.2979
1800.0	0.2750	0.2759	0.2772	0.2816	0.2860	0.2902	0.2944	0.2985	0.3013
1900.0	0.2775	0.2784	0.2798	0.2844	0.2888	0.2932	0.2975	0.3017	0.3046
2000.0	0.2798	0.2808	0.2822	0.2869	0.2915	0.2960	0.3004	0.3048	0.3077
2150.0	0.2831	0.2841	0.2855	0.2904	0.2952	0.2999	0.3045	0.3090	0.3121
2200.0	0.2841	0.2851	0.2866	0.2915	0.2963	0.3011	0.3057	0.3103	0.3135
2250.0	0.2850	0.2861	0.2876	0.2926	0.2975	0.3023	0.3070	0.3116	0.3148
2300.0	0.2860	0.2870	0.2885	0.2936	0.2985	0.3034	0.3082	0.3128	0.3161
2350.0	0.2869	0.2879	0.2895	0.2946	0.2996	0.3045	0.3093	0.3140	0.3173
2400.0	0.2878	0.2888	0.2904	0.2955	0.3006	0.3056	0.3104	0.3152	0.3185
2450.0	0.2886	0.2897	0.2912	0.2965	0.3016	0.3066	0.3115	0.3163	0.3196
2500.0	0.2894	0.2905	0.2921	0.2973	0.3025	0.3076	0.3125	0.3174	0.3208
2550.0	0.2902	0.2913	0.2929	0.2982	0.3034	0.3085	0.3135	0.3184	0.3218
2600.0	0.2909	0.2920	0.2936	0.2990	0.3043	0.3094	0.3145	0.3195	0.3229
2650.0	0.2916	0.2927	0.2944	0.2998	0.3051	0.3103	0.3154	0.3204	0.3239
2700.0	0.2923	0.2934	0.2951	0.3006	0.3059	0.3111	0.3163	0.3213	0.3248
2750.0	0.2930	0.2941	0.2958	0.3013	0.3067	0.3120	0.3172	0.3222	0.3257
2800.0	0.2936	0.2948	0.2965	0.3020	0.3074	0.3128	0.3180	0.3231	0.3267
2850.0	0.2943	0.2954	0.2971	0.3027	0.3082	0.3135	0.3188	0.3240	0.3275
2900.0	0.2949	0.2961	0.2978	0.3034	0.3089	0.3143	0.3196	0.3248	0.3284
2950.0	0.2955	0.2967	0.2984	0.3041	0.3096	0.3151	0.3204	0.3256	0.3292
3000.0	0.2961	0.2973	0.2990	0.3047	0.3103	0.3158	0.3212	0.3264	0.3301
3050.0	0.2967	0.2979	0.2996	0.3053	0.3110	0.3165	0.3219	0.3272	0.3309
3100.0	0.2973	0.2984	0.3002	0.3060	0.3116	0.3172	0.3226	0.3280	0.3316
3150.0	0.2978	0.2990	0.3008	0.3066	0.3123	0.3178	0.3233	0.3287	0.3324
3200.0	0.2984	0.2995	0.3013	0.3072	0.3129	0.3185	0.3240	0.3294	0.3331
3250.0	0.2989	0.3001	0.3019	0.3077	0.3135	0.3191	0.3247	0.3301	0.3338
3300.0	0.2994	0.3006	0.3024	0.3083	0.3141	0.3197	0.3253	0.3308	0.3345
3350.0	0.2999	0.3011	0.3029	0.3088	0.3146	0.3203	0.3259	0.3314	0.3352
3400.0	0.3004	0.3016	0.3034	0.3094	0.3152	0.3209	0.3265	0.3321	0.3358
3450.0	0.3008	0.3021	0.3039	0.3099	0.3157	0.3215	0.3271	0.3327	0.3365
3500.0	0.3013	0.3025	0.3043	0.3103	0.3162	0.3220	0.3277	0.3333	0.3371
3550.0	0.3017	0.3030	0.3048	0.3108	0.3167	0.3225	0.3282	0.3338	0.3376
3600.0	0.3022	0.3034	0.3052	0.3113	0.3172	0.3231	0.3288	0.3344	0.3382
3650.0	0.3026	0.3038	0.3056	0.3117	0.3177	0.3235	0.3293	0.3349	0.3387
3700.0	0.3030	0.3042	0.3061	0.3122	0.3181	0.3240	0.3298	0.3354	0.3392
3750.0	0.3033	0.3046	0.3064	0.3126	0.3186	0.3244	0.3302	0.3359	0.3397
3800.0	0.3037	0.3050	0.3068	0.3130	0.3190	0.3249	0.3307	0.3363	0.3402
3850.0	0.3041	0.3053	0.3072	0.3133	0.3194	0.3253	0.3311	0.3368	0.3406
3900.0	0.3044	0.3056	0.3075	0.3137	0.3197	0.3257	0.3315	0.3372	0.3410
3950.0	0.3047	0.3060	0.3079	0.3140	0.3201	0.3260	0.3319	0.3376	0.3414
4000.0	0.3050	0.3063	0.3082	0.3144	0.3204	0.3264	0.3322	0.3379	0.3418

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SPECIFIC HEAT

PRESSURE = 100.0000

TEMPERATURE / FUEL/AIR RATIO DEGREES R	0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	0.2418	0.2423	0.2430	0.2452	0.2474	0.2496	0.2517	0.2538	0.2552
700.0	0.2432	0.2438	0.2445	0.2471	0.2496	0.2521	0.2545	0.2569	0.2585
800.0	0.2452	0.2457	0.2466	0.2494	0.2522	0.2549	0.2576	0.2602	0.2620
900.0	0.2476	0.2482	0.2491	0.2522	0.2551	0.2581	0.2609	0.2638	0.2657
1000.0	0.2505	0.2512	0.2521	0.2554	0.2585	0.2616	0.2647	0.2677	0.2697
1100.0	0.2536	0.2543	0.2553	0.2587	0.2620	0.2653	0.2685	0.2717	0.2738
1200.0	0.2568	0.2575	0.2586	0.2622	0.2656	0.2691	0.2724	0.2757	0.2780
1300.0	0.2600	0.2608	0.2619	0.2656	0.2693	0.2728	0.2764	0.2798	0.2822
1400.0	0.2633	0.2641	0.2652	0.2691	0.2729	0.2766	0.2802	0.2838	0.2863
1500.0	0.2665	0.2673	0.2685	0.2725	0.2764	0.2803	0.2840	0.2878	0.2903
1600.0	0.2695	0.2703	0.2716	0.2757	0.2798	0.2838	0.2877	0.2915	0.2942
1700.0	0.2724	0.2732	0.2745	0.2788	0.2830	0.2871	0.2912	0.2952	0.2979
1800.0	0.2750	0.2759	0.2772	0.2816	0.2860	0.2902	0.2944	0.2985	0.3013
1900.0	0.2775	0.2784	0.2798	0.2844	0.2888	0.2932	0.2975	0.3017	0.3046
2000.0	0.2798	0.2808	0.2822	0.2869	0.2915	0.2960	0.3004	0.3048	0.3077
2150.0	0.2831	0.2841	0.2855	0.2904	0.2952	0.2999	0.3045	0.3090	0.3121
2200.0	0.2841	0.2851	0.2865	0.2915	0.2963	0.3011	0.3057	0.3103	0.3135
2250.0	0.2850	0.2861	0.2876	0.2926	0.2975	0.3023	0.3070	0.3116	0.3148
2300.0	0.2860	0.2870	0.2885	0.2936	0.2985	0.3034	0.3082	0.3128	0.3161
2350.0	0.2869	0.2879	0.2895	0.2946	0.2996	0.3045	0.3093	0.3140	0.3173
2400.0	0.2878	0.2888	0.2904	0.2955	0.3006	0.3056	0.3104	0.3152	0.3185
2450.0	0.2886	0.2897	0.2912	0.2965	0.3016	0.3066	0.3115	0.3163	0.3196
2500.0	0.2894	0.2905	0.2921	0.2973	0.3025	0.3076	0.3125	0.3174	0.3208
2550.0	0.2902	0.2913	0.2929	0.2982	0.3034	0.3085	0.3135	0.3184	0.3218
2600.0	0.2909	0.2920	0.2936	0.2990	0.3043	0.3094	0.3145	0.3195	0.3229
2650.0	0.2916	0.2927	0.2944	0.2998	0.3051	0.3103	0.3154	0.3204	0.3239
2700.0	0.2923	0.2934	0.2951	0.3006	0.3059	0.3111	0.3163	0.3213	0.3248
2750.0	0.2930	0.2941	0.2958	0.3013	0.3067	0.3120	0.3172	0.3222	0.3257
2800.0	0.2936	0.2948	0.2965	0.3020	0.3074	0.3128	0.3180	0.3231	0.3267
2850.0	0.2943	0.2954	0.2971	0.3027	0.3082	0.3135	0.3188	0.3240	0.3275
2900.0	0.2949	0.2961	0.2978	0.3034	0.3089	0.3143	0.3196	0.3248	0.3284
2950.0	0.2955	0.2967	0.2984	0.3041	0.3096	0.3151	0.3204	0.3256	0.3292
3000.0	0.2961	0.2973	0.2990	0.3047	0.3103	0.3158	0.3212	0.3264	0.3301
3050.0	0.2967	0.2979	0.2996	0.3053	0.3110	0.3165	0.3219	0.3272	0.3309
3100.0	0.2973	0.2984	0.3002	0.3060	0.3116	0.3172	0.3226	0.3280	0.3316
3150.0	0.2978	0.2990	0.3008	0.3066	0.3123	0.3178	0.3233	0.3287	0.3324
3200.0	0.2984	0.2995	0.3013	0.3072	0.3129	0.3185	0.3240	0.3294	0.3331
3250.0	0.2989	0.3001	0.3019	0.3077	0.3135	0.3191	0.3247	0.3301	0.3338
3300.0	0.2994	0.3006	0.3024	0.3083	0.3141	0.3197	0.3253	0.3308	0.3345
3350.0	0.2999	0.3011	0.3029	0.3088	0.3146	0.3203	0.3259	0.3314	0.3352
3400.0	0.3004	0.3016	0.3034	0.3094	0.3152	0.3209	0.3265	0.3321	0.3358
3450.0	0.3008	0.3021	0.3039	0.3099	0.3157	0.3215	0.3271	0.3327	0.3365
3500.0	0.3013	0.3025	0.3043	0.3104	0.3162	0.3220	0.3277	0.3333	0.3371
3550.0	0.3017	0.3030	0.3048	0.3109	0.3167	0.3225	0.3282	0.3338	0.3377
3600.0	0.3022	0.3034	0.3052	0.3113	0.3172	0.3231	0.3288	0.3344	0.3382
3650.0	0.3026	0.3038	0.3056	0.3117	0.3177	0.3235	0.3293	0.3349	0.3387
3700.0	0.3030	0.3042	0.3061	0.3122	0.3181	0.3240	0.3298	0.3354	0.3393
3750.0	0.3033	0.3046	0.3064	0.3126	0.3186	0.3245	0.3302	0.3359	0.3397
3800.0	0.3037	0.3050	0.3068	0.3130	0.3190	0.3249	0.3307	0.3363	0.3402
3850.0	0.3041	0.3053	0.3072	0.3133	0.3194	0.3253	0.3311	0.3368	0.3406
3900.0	0.3044	0.3056	0.3075	0.3137	0.3197	0.3257	0.3315	0.3372	0.3411
3950.0	0.3047	0.3060	0.3079	0.3140	0.3201	0.3261	0.3319	0.3376	0.3415
4000.0	0.3050	0.3063	0.3082	0.3144	0.3204	0.3264	0.3323	0.3380	0.3418

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SPECIFIC HEAT

PRESSURE = 600.0000

TEMPERATURE / DEGREES R	FUEL/AIR RATIO 0.005	0.007	0.010	0.020	0.030	0.040	0.050	0.060	0.067
600.0	0.2418	0.2423	0.2430	0.2452	0.2474	0.2496	0.2517	0.2538	0.2552
700.0	0.2432	0.2438	0.2445	0.2471	0.2496	0.2521	0.2545	0.2569	0.2585
800.0	0.2452	0.2457	0.2466	0.2494	0.2522	0.2549	0.2576	0.2602	0.2620
900.0	0.2476	0.2482	0.2491	0.2522	0.2551	0.2581	0.2609	0.2638	0.2657
1000.0	0.2505	0.2512	0.2521	0.2554	0.2585	0.2616	0.2647	0.2677	0.2697
1100.0	0.2536	0.2543	0.2553	0.2587	0.2620	0.2653	0.2685	0.2717	0.2738
1200.0	0.2568	0.2575	0.2586	0.2622	0.2656	0.2691	0.2724	0.2757	0.2780
1300.0	0.2600	0.2608	0.2619	0.2656	0.2693	0.2728	0.2764	0.2798	0.2822
1400.0	0.2633	0.2641	0.2652	0.2691	0.2729	0.2766	0.2802	0.2838	0.2863
1500.0	0.2665	0.2673	0.2685	0.2725	0.2764	0.2803	0.2840	0.2878	0.2903
1600.0	0.2695	0.2703	0.2716	0.2757	0.2798	0.2838	0.2877	0.2915	0.2942
1700.0	0.2724	0.2732	0.2745	0.2788	0.2830	0.2871	0.2912	0.2952	0.2979
1800.0	0.2750	0.2759	0.2772	0.2816	0.2860	0.2902	0.2944	0.2985	0.3013
1900.0	0.2775	0.2784	0.2798	0.2844	0.2888	0.2932	0.2975	0.3017	0.3046
2000.0	0.2798	0.2808	0.2822	0.2869	0.2915	0.2960	0.3004	0.3048	0.3077
2150.0	0.2831	0.2841	0.2855	0.2904	0.2952	0.2999	0.3045	0.3090	0.3121
2200.0	0.2841	0.2851	0.2866	0.2915	0.2963	0.3011	0.3057	0.3103	0.3135
2250.0	0.2850	0.2861	0.2876	0.2926	0.2975	0.3023	0.3070	0.3116	0.3148
2300.0	0.2860	0.2870	0.2885	0.2936	0.2985	0.3034	0.3082	0.3128	0.3161
2350.0	0.2869	0.2879	0.2895	0.2946	0.2996	0.3045	0.3093	0.3140	0.3173
2400.0	0.2878	0.2888	0.2904	0.2955	0.3006	0.3056	0.3104	0.3152	0.3185
2450.0	0.2886	0.2897	0.2912	0.2965	0.3016	0.3066	0.3115	0.3163	0.3196
2500.0	0.2894	0.2905	0.2921	0.2973	0.3025	0.3076	0.3125	0.3174	0.3208
2550.0	0.2902	0.2913	0.2929	0.2982	0.3034	0.3085	0.3135	0.3184	0.3218
2600.0	0.2909	0.2920	0.2936	0.2990	0.3043	0.3094	0.3145	0.3195	0.3229
2650.0	0.2916	0.2927	0.2944	0.2998	0.3051	0.3103	0.3154	0.3204	0.3239
2700.0	0.2923	0.2934	0.2951	0.3006	0.3059	0.3111	0.3163	0.3213	0.3248
2750.0	0.2930	0.2941	0.2958	0.3013	0.3067	0.3120	0.3172	0.3222	0.3257
2800.0	0.2936	0.2948	0.2965	0.3020	0.3074	0.3128	0.3180	0.3231	0.3267
2850.0	0.2943	0.2954	0.2971	0.3027	0.3082	0.3135	0.3188	0.3240	0.3275
2900.0	0.2949	0.2961	0.2978	0.3034	0.3089	0.3143	0.3196	0.3248	0.3284
2950.0	0.2955	0.2967	0.2984	0.3041	0.3096	0.3151	0.3204	0.3256	0.3292
3000.0	0.2961	0.2973	0.2990	0.3047	0.3103	0.3158	0.3212	0.3264	0.3301
3050.0	0.2967	0.2979	0.2996	0.3053	0.3110	0.3165	0.3219	0.3272	0.3309
3100.0	0.2973	0.2984	0.3002	0.3060	0.3116	0.3172	0.3226	0.3280	0.3316
3150.0	0.2978	0.2990	0.3008	0.3066	0.3123	0.3178	0.3233	0.3287	0.3324
3200.0	0.2984	0.2995	0.3013	0.3072	0.3129	0.3185	0.3240	0.3294	0.3331
3250.0	0.2989	0.3001	0.3019	0.3077	0.3135	0.3191	0.3247	0.3301	0.3338
3300.0	0.2994	0.3006	0.3024	0.3083	0.3141	0.3198	0.3253	0.3308	0.3345
3350.0	0.2999	0.3011	0.3029	0.3088	0.3146	0.3203	0.3259	0.3314	0.3352
3400.0	0.3004	0.3016	0.3034	0.3094	0.3152	0.3209	0.3265	0.3321	0.3359
3450.0	0.3008	0.3021	0.3039	0.3099	0.3157	0.3215	0.3271	0.3327	0.3365
3500.0	0.3013	0.3025	0.3043	0.3104	0.3162	0.3220	0.3277	0.3333	0.3371
3550.0	0.3017	0.3030	0.3048	0.3108	0.3167	0.3226	0.3282	0.3338	0.3377
3600.0	0.3022	0.3034	0.3052	0.3113	0.3172	0.3231	0.3288	0.3344	0.3382
3650.0	0.3026	0.3038	0.3056	0.3117	0.3177	0.3235	0.3293	0.3349	0.3388
3700.0	0.3030	0.3042	0.3061	0.3122	0.3181	0.3240	0.3298	0.3354	0.3393
3750.0	0.3033	0.3046	0.3064	0.3126	0.3186	0.3245	0.3302	0.3359	0.3398
3800.0	0.3037	0.3050	0.3068	0.3130	0.3190	0.3249	0.3307	0.3364	0.3403
3850.0	0.3041	0.3053	0.3072	0.3133	0.3194	0.3253	0.3311	0.3368	0.3407
3900.0	0.3044	0.3056	0.3075	0.3137	0.3198	0.3257	0.3315	0.3372	0.3411
3950.0	0.3047	0.3060	0.3079	0.3140	0.3201	0.3261	0.3319	0.3376	0.3415
4000.0	0.3050	0.3063	0.3082	0.3144	0.3205	0.3264	0.3323	0.3380	0.3419

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NOMENCLATURE

c_p	Specific heat at constant pressure (of air or exhaust gas), Btu/lbm-°R
h	Enthalpy (of air or exhaust gas), Btu/lbm
p	Pressure, psia
s	Entropy (of air or exhaust gas), Btu/lbm-°R
T	Temperature, °R