

Standard Atmosphere (Continued)

Altitude, ft	Temperature <i>t</i>		Pressure <i>P</i>			Density	
	°F	°C	inHg	cmHg	kPa	$\rho$	$\rho/\rho_0$
16 000	1.9	-16.7	16.210	41.47	54.90	0.001 448	0.6088
17 000	-1.6	-18.7	15.560	39.52	52.70	0.001 401	0.5891
18 000	-5.2	-20.7	14.940	37.95	50.60	0.001 355	0.5698
19 000	-8.8	-22.6	14.330	36.40	48.87	0.001 311	0.5509
20 000	-12.3	-24.6	13.750	34.93	46.57	0.001 267	0.5327
21 000	-15.9	-26.6	13.180	33.48	44.64	0.001 225	0.5148
22 000	-19.5	-28.6	12.630	32.08	42.77	0.001 183	0.4974
23 000	-23.0	-30.6	12.100	30.73	40.98	0.001 143	0.4805
24 000	-26.6	-32.5	11.590	29.44	39.25	0.001 103	0.4640
25 000	-30.2	-34.5	11.100	28.19	37.59	0.001 065	0.4480
26 000	-33.7	-36.5	10.620	26.97	35.97	0.001 028	0.4323
27 000	-37.3	-38.5	10.160	25.81	34.41	0.000 992	0.4171
28 000	-40.9	-40.5	9.720	24.69	32.92	0.000 957	0.4023
29 000	-44.4	-42.5	9.293	23.60	31.47	0.000 922	0.3879
30 000	-48.0	-44.4	8.880	22.56	30.07	0.000 889	0.3740
31 000	-51.6	-46.4	8.483	21.55	28.73	0.000 857	0.3603
32 000	-55.1	-48.4	8.101	20.58	27.44	0.000 826	0.3472
33 000	-58.7	-50.4	7.732	19.64	26.19	0.000 795	0.3343
34 000	-62.2	-52.4	7.377	18.74	24.98	0.000 765	0.3218
35 000	-65.8	-54.3	7.036	17.87	23.83	0.000 736	0.3098
36 000	-69.4	-56.3	6.708	17.04	22.72	0.000 704	0.2962
37 000	-69.7	-56.5	6.395	16.24	21.62	0.000 671	0.2824
38 000	-69.7	-56.5	6.096	15.48	20.65	0.000 640	0.2692
39 000	-69.7	-56.5	5.812	14.76	19.68	0.000 610	0.2566
40 000	-69.7	-56.5	5.541	14.07	18.77	0.000 582	0.2447
41 000	-69.7	-56.5	5.283	13.42	17.89	0.000 554	0.2332
42 000	-69.7	-56.5	5.036	12.79	17.06	0.000 529	0.2224
43 000	-69.7	-56.5	4.802	12.20	16.26	0.000 504	0.2120
44 000	-69.7	-56.5	4.578	11.63	15.50	0.000 481	0.2021
45 000	-69.7	-56.5	4.364	11.08	14.78	0.000 459	0.1926
46 000	-69.7	-56.5	4.160	10.57	14.09	0.000 437	0.1837
47 000	-69.7	-56.5	3.966	10.07	13.43	0.000 417	0.1751
48 000	-69.7	-56.5	3.781	9.60	12.81	0.000 397	0.1669
49 000	-69.7	-56.5	3.604	9.15	12.21	0.000 379	0.1591
50 000	-69.7	-56.5	3.436	8.73	11.64	0.000 361	0.1517

Greek Alphabet

Name	Capital	Lowercase	Use	Name	Capital	Lowercase	Use
Alpha	A	$\alpha$	Angles	Xi	$\Xi$	$\xi$	
Beta	B	$\beta$		Omicron	O	$o$	
Gamma	$\Gamma$	$\gamma$	Ratio of specific heats	Pi	$\Pi$	$\pi$	Ratio of circumference to diameter (3.1416)
Delta	$\Delta$	$\delta$	Relative absolute pressure	Rho	$\rho$	$\rho$	Mass density
Epsilon	E	$\epsilon$	Expansion ratio, surface emissivity	Sigma	$\Sigma$	$\sigma$	Capital: sign of summation; lowercase: relative density
Zeta	Z	$\zeta$		Tau	T	$\tau$	
Eta	H	$\eta$	Coefficient of kinematic viscosity, efficiency	Upsilon	$\Upsilon$	$\upsilon$	Kinematic viscosity
Theta	$\Theta$	$\theta$		Phi	$\Phi$	$\phi$	Capital: relative viscosity; lowercase: phase
Iota	I	$\iota$		Chi	$\chi$	$\chi$	
Kappa	K	$\kappa$		Psi	$\Psi$	$\psi$	
Lambda	$\Lambda$	$\lambda$	Capital: wing sweep angle; lowercase: taper rate, wavelength	Omega	$\Omega$	$\omega$	Capital: ohms; lowercase: specific weight
Mu	M	$\mu$	Absolute viscosity				
Nu	N	$\nu$					