

Unit Conversions

Multiply	By	To Obtain	Multiply	By	To Obtain
atm	76.00	cm, Hg	kW	1.341	hp
atm	29.92	in, Hg	kW	3413	Btu/hr
atm	14.70	psia	kW	737.6	ft-lbf/sec
atm	33.90	ft, H ₂ O	kW-h	3413	Btu
atm	1.013E+05	Pa	kW-h	1.341	hp-hr
bar	1.000E+05	Pa	kW-h	3.60E+06	joule
cm	3.281E-02	ft	kip	1000	lbf
cm	0.39	in	kip	4448	N
ft ³	7.48	gal	L	61.02	in ³
ft	30.48	cm	L	0.264	gal (US)
ft	.3048	m	L/sec	2.119	cfm
ft-lbf	1.285E-03	Btu	L/sec	15.85	gpm
ft-lbf	3.766E-07	kW-h	m	3.281	ft
ft-lbf	.3240	calorie	m	1.094	yard
ft-lbf	1.3560	joule	m/s	196.8	ft/min
ft-lbf/sec	1.818E-03	hp	mile	5280	ft
gal (US)	3.7850	L	mile	1.609	km
gal (US)	.1340	ft ³	mph	88	ft/min
g	.0022	lbm	mph	1.609	km/hr
hp	42.40	Btu/min	mm of Hg	1.316E-03	atm
hp	745.70	W	mm of H ₂ O	9.678E-05	atm
hp	33000.00	ft-lbf/min	N	0.225	lbf
hp	550.00	ft-lbf/sec	N-m	0.7376	ft-lbf
hp-hr	2544.00	Btu	N-m	1	joule
hp-hr	1.980E+06	ft-lbf	Pa	9.869E-06	atm
hp-hr	2.680E+06	joule	Pa	1	N/m ²
in	2.5400	cm	Pa-sec	10	poise
in of Hg	.0330	atm	lbm	0.454	kg
in of Hg	13.60	in of H ₂ O	lbf	4.448	N
in of H ₂ O	.0736	in of Hg	lbf-ft	1.356	N-m
in of H ₂ O	.0361	psi	psi	0.068	atm
in of H ₂ O	.002458	atm	psi	2.307	ft of H ₂ O
joule	9.478E-04	Btu	psi	2.036	in of Hg
joule	.7376	ft-lbf	psi	6895	Pa
joule	1.0000	N-m	radian	180/Pi	degree
joule/sec	1.0000	W	stokes	1.00E-04	m ² /s
kg	2.2050	lbm	therm	1.00E+05	Btu
km	3281.0000	ft	W	3.413	Btu/hr
km/hr	.6210	mph	W	1.341E-03	hp
kPa	.1450	psi	W	1	joule/s