WEIGHTS, VOLUMES, TEMPERATURES, & OTHER

Convert From	Into	Multiply By
	pennyweight (troy)	643.0149
	pound (apoth or troy)	2.67923
	pound (avdp)	2.20462
	quarter (UK)	0.078736
	quarter (US)	0.088185
	scruple (apoth)	771.6179
	slug	0.06852
	ton (long)	0.000984
	ton (metric)	0.001
	ton (short)	0.001102
kilogram–force	dyne	980665
	joule/meter	9.80665
	newton	9.80665
	poundal	70.9316
	gram–force	1000
	kip	0.002205
	pound–force	2.20462
	sthene	0.009807
kilogram/cu meter	gram/cu cm	0.001
	lb/cu ft	0.0624
	lb/cu inch	3.6127×10^{-5}
	lb/circ mil foot	3.405×10^{-10}
kilogram/meter	pound/ft	0.672
	denier	9,000,000
kilogram–force/sq cm	atmosphere (std)	0.9678
	bar	0.980665
	cm of Hg @ 0°C	73.556
	dyne/sq cm	980665
	ft of H_2O @ 39.2°F	32.8104
	in of Hg @ 32°F	28.959
	newton/sq meter	98066.5
	pascal	98066.5
	pound–force/sq inch	14.223
kilogram–force/sq meter	atmosphere (std)	9.678×10^{-5}
	bar	9.80665×10^{-5}
	dyne/sq cm	98.0665
	ft of H_2O @ 39.2°F	0.00328
	gram–force/sq cm	0.1
	in of Hg @ 32°F	0.0029
	mm of Hg @ 0°C	0.07356
	newton/sq meter	9.80665
	pascal	9.80665
kilogram–force/sq meter	pound–force/sq foot	0.20482
	pound–force/sq inch	0.00142
kilogram–force/sq mm	pound–force/sq ft	204816
	pound–force/sq in	1422.3
	ton–force (short)/sq in	0.71117
kilogram sq cm	pound sq ft	0.00237
	pound sq in	0.34172
kilogram–force meter	Btu (mean)	0.00929
	calorie (mean)	2.3405
	calorie, kg (mean)	0.0023405
	cu ft atmosphere	0.003418
	dyne cm	9.807×10^{7}
	erg	9.807×10^{7}
	foot–poundal	232.715
	foot pound–force	7.233
	gram–force cm	100000
	horsepower hour	3.653×10^{-6}
	joule	9.80665
	joule (US Int)	9.8049
	kilowatthour	2.724×10^{-6}
	liter atmosphere	0.0968
	newton meter	9.80665
	watthour	0.0027241
	watthour (Int)	0.0027236
kilogram–force m/sec	watt	9.80665
kiloline	maxwell	1000
	weber	1×10^{-3}
kiloliter	cu centimeter	1×10^{6}
	cu foot	35.315
	cu inch	61023.7
	cu meter	1
	cu yard	1.30795
	gallon (UK)	219.969
	gallon (US, dry)	227.021
	gallon (US, liq)	264.172
	liter	1000
kilometer	astronomical unit	6.685×10^{-9}
	centimeter	100000
	foot	3280.84
	foot (US Survey)	3280.83
	inch	3.937×10^{4}
	light year	1.057×10^{-13}
	meter	1000
	mile (naut, int)	0.53996
	mile (US statute)	0.62137
	millimeter	1×10^{6}
	mynameter	0.1
	rod (US Survey)	198.839
	yard	1093.61
kilometer/hr	cm/sec	27.778
	foot/hr	3280.84
	foot/min	54.6807
	foot/sec	0.91134
	knots (Int)	0.53996
	meter/sec	0.2778
	mile (statute)/hr	0.62137
kilometer/hr/sec	cm/sec/sec	27.78
	ft/sec/sec	0.9113
	meter/sec/sec	0.2778
	mile/hr/sec	0 6214

Convert From	Into	Multiply By
kilometer/min	cm/sec	1666.67
	foot/min	3280.8
	kilometer/hr	60
	knots (Int)	32.397
	mile/hr	37.2823
	mile/min	0.62137
kilonewton	dyne	1×10^{8}
	pound–force	224.8089
	poundal	7233.014
	ton–force (short)	0.112404
kilopascal	atmosphere (std)	9.8692×10^{-3}
	bar	1×10^{-2}
	pound–force/sq inch	0.1450377
	pound–force/sq ft	20.88542
	pascal	1000
	newton/sq meter	1000
	kilogram–force/sq cm	0.010197
	inch of Hg @ 0°C	0.2953
	inch of H_2O @ 68°F	4.021
kilovolt/cm	abvolt/cm	1×10^{11}
	microvolt/meter	1×10^{11}
	millivolt/meter	1×10^{8}
	statvolt/cm	3.336
	volt/inch	2540
kilowatt	Btu/hr (thermo)	3414.43
	Btu (IST)/hr	3412.14
	Btu (mean)/hr	3409.51
	Btu (mean)/min	56.825
	Btu (mean)/sec	0.9471
	calorie (mean)/hr	859184
	calorie (mean)/min	14319.7
	calorie (mean)/sec	238.66
	calorie, kg (mean)/hr	859.184
	calorie, kg (mean)/min	14.197
	calorie, kg (mean)/sec	0.23866
	cu ft atm/hr	1254.7
	erg/sec	1×10^{10}
	foot poundal/min	1.424×10^{5}
	foot pound–force/hr	2.655×10^{6}
	foot pound–force/min	44253.7
	foot pound–force/sec	737.56
	gram–force cm/sec	1.0197×10^{7}
	horsepower	1.341
	horsepower (boiler)	0.101942
	horsepower (electric)	1.340483
	horsepower (metric)	1.359622
	joule/hr	3.6×10^{6}
	joule (IST)/hr	3.599×10^{6}
	joule/sec	1000
	kg–force meter/hr	3.671×10^{5}
	kilowatt (Int)	0.999835
	watt	1000
kilowatt (Int)	Btu/hr (thermo)	3414.99
	Btu (IST)/hr	3412.76
	Btu (mean)/hr	3410.08
	Btu (mean)/min	56.835
	Btu (mean)/sec	0.9472
	calorie (mean)/hr	859326
	calorie (mean)/min	14322
	calorie, kg/hr (thermo)	860.56
	calorie, kg (IST)/hr	860
	calorie, kg (mean)/hr	859.3
	cu cm atm/hr	3.55×10^{7}
	cu ft atm/hr	1254.9
	erg/sec	1.000165×10^{10}
	foot poundal/min	1.424×10^{5}
	foot pound–force/min	44261
	foot pound–force/sec	737.68
	gram–force cm/sec	1.0199×10^{7}
	horsepower	1.341
	horsepower (boiler)	0.102
	horsepower (electric)	1.341
	horsepower (metric)	1.35985
	joule/hr	3.6006×10^{6}
	joule (Int)/hr	3.6×10^{6}
	kg–force meter/hr	367158
	kilowatt	1.000165
kilowatthour	Btu (mean)	3409.5
	calorie (IST)	859845
	calorie (mean)	859184
	erg	3.6×10^{13}
	foot pound–force	2.655×10^{6}
	hp hour	1.341
	joule	3.6×10^{6}
	kg–force meter	367098
	lb H_2O evaporated from and at 212°F	3.51646
	lb H_2O raised from 62°F to 212°F	22.764
	watthour	1000
	watthour (Int)	999.8
kilowatthour (Int)	Btu (mean)	3410.1
	calorie (IST)	859986
	calorie (mean)	859325
	cu cm atm	3.5535×10^{7}
	cu ft atm	1254.9
	foot pound–force	2.656×10^{6}
	hp hour	1.3412
	joule	3.6006×10^{6}
	joule (US legal)	3.6×10^{6}
	kg–force meter	367158