WEIGHTS, VOLUMES, TEMPERATURES, & OTHER

Convert From	Into	Multiply By
	calorie (thermo)	641616
	calorie (IST)	641187
	calorie (mean)	640694
	calorie, kg	641.2
	erg	2.685×10^{13}
	foot pound–force	1.98×10^{6}
	joule	2.685×10^{6}
	kg–force meter	273745
	kilowatthour	0.7457
	watthour	745.7
horsepower hr/lb	Btu/lb (thermo)	2546
	calorie/gram (thermo)	1414.5
	cu ft (lb/sq in)/lb	13750
	foot pound–force/lb	1980000
	joule/gram	5918.35
hour (mean solar)	day (mean solar)	0.04167
	day (sidereal)	0.04178
	hour (sidereal)	1.002738
	minute (mean solar)	60
	minute (sidereal)	60.164
	second (mean solar)	3600
	second (sidereal)	3609.86
	week (mean calendar)	0.00595
hour (sidereal)	day (mean solar)	0.41553
	day (sidereal)	0.04167
	hour (mean solar)	0.99727
	minute (mean solar)	59.836
	minute (sidereal)	60
hundredweight (long)	kilogram	50.802
	pound	112
	quarter (UK)	4
	quarter (US)	4.48
	ton (long)	0.05
hundredweight (short)	kilogram	45.359
	ounce (avdp)	1600
	pound (avdp)	100
	quarter (UK)	3.5714
	quarter (US)	4
	ton (long)	0.04464
	ton (metric)	0.04536
	ton (short)	0.05
inch	ångström	2.54×10^{8}
	centimeter	2.54
	chain (Gunter)	0.001263
	cubit	0.05556
	fathom (US Survey)	0.013889
	foot	0.083333
	foot (US Survey)	0.083332
	link (Gunter)	0.12626
	link (Ramden)	0.08333
	meter	0.0254
	mile	1.578×10^{-5}
	millimeter	25.4
	mil	1000
	picas (printer)	6.0225
	point (printer)	72.27
	yard	0.0278
inch of Hg @ 32°F	atmosphere (std)	0.03342
	bar	0.03386
	dyne/sq cm	33864
	ft of air @ 1atm,60°F	926.27
	ft of H_2O @ 39.2°F	1.13299
	gram–force/sq cm	34.532
	kg–force/sq meter	345.32
	mm of Hg @ 0°C	25.4
	newton/sq meter	3386.389
	ounce–force/sq inch	7.858
	pascal	3386.389
	pound–force/sq ft	70.726
inch of Hg @ 60°F	atmosphere (std)	0.033327
	dyne/sq cm	33768
	gram–force/sq cm	34.434
	mm of Hg @ 60°F	25.4
	newton/sq meter	3376.85
	ounce–force/sq inch	7.8363
	pascal	3376.85
	pound–force/sq ft	70.5267
inch of H_2O @ 4°C	atmosphere (std)	0.002458
	dyne/sq cm	2490.8
	inch of Hg @ 32°F	0.07355
	kg–force/sq meter	25.4
	ounce–force/sq foot	83.232
	ounce–force/sq inch	0.578037
	pound–force/sq foot	5.202033
	pound–force/sq inch	0.03613
inch pound–force	foot pound–force	0.0833
inch/hour	cm/hour	2.54
	foot/hour	0.0833
	mile/hour	1.5783×10^{-5}
inch/minute	cm/hour	152.4
	foot/hour	5
	mile/hour	0.000947
jigger (US, liq)	fifth (US, liq)	0.059
	ounce (US, liq)	1.5
	pint (US, liq)	0.09375
	pony (US, liq)	1.5
	shot (US, liq)	1.5
joule	Btu (thermo)	0.0009485
	Btu (IST)	0.0009478
	Btu (mean)	0.0009471
	calorie (thermo)	0.23901
	calorie (IST)	0.23885

Convert From	Into	Multiply By
	calorie (mean)	0.23866
	calorie @ 20°C	0.23913
	calorie, kg (mean)	0.000239
	calorie, kg (thermo)	2.390×10^{-4}
	cu ft atmosphere	0.0003485
	erg	1×10^{7}
	foot–poundal	23.73
	foot pound–force	0.7376
	gram–force cm	10197.2
	horsepower hour	3.7251×10^{-7}
	joule (US Int)	0.9998
	kg–force meter	0.10197
	kilowatthour	2.78×10^{-7}
	liter atmosphere	0.009869
	volt coulomb (Int)	0.999835
	watthour	0.0002778
	watthour (Int)	0.0002777
	wattsecond	1
	wattsecond (Int)	0.9998
joule (US Int)	Btu (thermo)	0.000949
	Btu (IST)	0.000948
	Btu (mean)	0.000947
	calorie (thermo)	0.239049
	calorie (IST)	0.238889
	calorie (mean)	0.238706
	cu cm atmosphere	9.87103
	cu ft atmosphere	0.000349
	dyne cm	1.000182×10^{7}
	erg	1.000182×10^{7}
	foot poundal	23.7347
	foot pound–force	0.7377
	gram–force cm	10199
	joule	1.000182
	kilowatthour	2.778×10^{-7}
	liter atmosphere	0.00987
	volt coulomb	1.000182
	volt coulomb (Int)	1
	wattsecond	1.000182
	wattsecond (Int)	1
joule/ampere hour	joule/abcoulomb	0.00278
	joule/statcoulomb	9.266×10^{-14}
joule/coulomb	joule/abcoulomb	10
	volt	1
joule/cm	dyne	1×10^{7}
	gram–force	1.020×10^{4}
	joule/meter	100
	newton	100
	poundal	723.3
	pound–force	22.48
joule/cu meter	Btu (IST)/cu ft	2.6839×10^{-5}
	dyne/sq cm	10
	foot pound–force/cu ft	0.020885
	watt hr/cu ft	7.86578×10^{-6}
joule/kilogram K	Btu/lb °R	2.38846×10^{-4}
	calorie/gram °C (IST)	2.38846×10^{-4}
	joule/kg °C	1.0
	kilocalorie/kg °C (IST)	2.38846×10^{-4}
	kilojoule/kg °C	1×10^{-3}
joule/second	Btu/min (thermo)	0.0569
	calorie/min (IST)	14.33
	calorie, kg/min (thermo)	0.01434
	calorie, kg (mean)/min	0.01432
	dyne cm/sec	1×10^{7}
	erg/sec	1×10^{7}
	foot pound–force/sec	0.73756
	gram–force cm/sec	10197
	horsepower	0.00134
	watt	1
	watt (Int)	0.9998
joule (US Int)/sec	Btu/min (thermo)	0.05692
	Btu (mean)/min	0.05683
	calorie/min (IST)	14.343
	calorie, kg/min (thermo)	0.01434
	dyne cm/sec	1.000165×10^{7}
	erg/sec	1.000165×10^{7}
	foot pound–force/min	44.26
	foot pound–force/sec	0.73768
	gram–force cm/sec	10198.8
	horsepower	0.00134
	watt	1.000165
	watt (Int)	1
karat (gold)	milligram/gram	41.666
kelvin	°C	kelvin-273.15
	°F	[1.8x(kelvin-273.15)+32]
kilderkin (UK, liq)	cu cm	81829.6
	cu foot	2.8898
	cu inch	4993.55
	cu meter	0.0818
	gallon (UK)	18
	liter	81.83
kilogram	dram (apoth or troy)	257.21
	dram (avdp)	564.38
	grain	15432.36
	gram	1000
	hundredweight (long)	0.019684
	hundredweight (short)	0.022046
	joule/cm	0.09807
	ounce (apoth or troy)	32.1507
	ounce (avdp)	35.27396