WEIGHTS, VOLUMES, TEMPERATURES, & OTHER

Convert From	Into	Multiply By
	poundal/inch	0.18017
gram/(cm x sec)	poise	1
	lb/(ft x sec)	0.0672
gram/cu cm	grain/milliliter	15.4324
	gram/milliliter	1
	pound/cu foot	62.428
	pound/cu inch	0.0361
	pound/gal (UK)	10.022
	pound/gal (US, dry)	9.7111
	pound/gal (US, liq)	8.3454
gram–force/cu cm	dyne/cu cm	980.665
	poundal/cu cm	1.16236
gram/cu meter	grain/cu ft	0.437
gram/liter	grain/gallon	58.4178
	part/million (1gm/ml)	1000
	lb/cu foot	0.0624
	lb/1000 gal (US)	8.3454
gram/milliliter	gram/cu cm	1
	pound/cu foot	62.428
	pound/gallon (US)	8.34540
gram–force/sq cm	atmosphere (std)	0.00097
	bar	0.00098
	cm of Hg @ 0°C	0.07356
	dyne/sq cm	980.665
	in of Hg @ 32°F	0.02896
	kg–force/sq meter	10
	mm of Hg @ 0°C	0.73556
	pascal	98.0665
	poundal/sq inch	0.45762
	pound–force/sq inch	0.01422
	pound–force/sq foot	2.0482
gram/ton (long)	milligram/kg	0.9842
gram/ton (short)	milligram/kg	1.1023
gram–calorie	Btu (thermo)	3.968×10^{-3}
	erg	4.1868×10^{7}
	foot/pound–force	3.088
	horsepower hour	1.5596×10^{-6}
	kilowatthour	1.163×10^{-6}
	watthour	1.163×10^{-3}
gram–calorie/sec	Btu/hr (thermo)	14.286
gram–force cm	Btu (thermo)	9.3×10^{-6}
	Btu (IST)	9.295×10^{-6}
	Btu (mean)	9.288×10^{-6}
	calorie	2.344×10^{-5}
	calorie (IST)	2.342×10^{-5}
	calorie (mean)	2.34×10^{-5}
	calorie (15°C)	2.343×10^{-5}
	calorie (20°C)	2.345×10^{-5}
	calorie, kg	2.344×10^{-8}
	calorie, kg (IST)	2.342×10^{-8}
	calorie, kg (mean)	2.34×10^{-8}
	dyne cm	980.665
	erg	980.665
	foot poundal	0.00233
	foot pound–force	7.233×10^{-5}
	hp hour	3.653×10^{-11}
	newton meter	9.807×10^{-5}
	watthour	2.724×10^{-4}
gram–force cm/sec	Btu/sec	9.301×10^{-6}
	calorie/sec	2.344×10^{-5}
	erg/sec	980.665
	foot pound–force/sec	7.233×10^{-5}
	horsepower	1.315×10^{-7}
	joule/sec	9.807×10^{-5}
	kilowatt	9.807×10^{-8}
	kilowatt (Int)	9.805×10^{-8}
	watt	9.807×10^{-5}
gram–sq cm	pound sq inch	0.00034
gram–force sec/sq cm	poise	980.665
gravity constant	cm/(sec x sec)	980.665
	ft/(sec x sec)	32.17405
gray	joule/kg	1
	rad	100
	erg/gram	1×10^{4}
gray/sec	joule/kg sec	1
	rad/sec	100
	erg/gram sec	1×10^{4}
hand (horses)	centimeter	10.16
	foot	0.3333
	inch	4
hectare	acre	2.471
	are	100
	sq cm	1×10^{8}
	sq foot	107639.1
	sq meter	10000
	sq mile	0.00386
	sq rod	395.367
hectogram	gram	100
	pound (apoth or troy)	0.26769
	pound (avdp)	0.2205
hectogram–force	poundal	7.0932
hectoliter	bushel (UK)	2.7496
	bushel (US, dry)	2.8378
	cu cm	1×10^{5}
	cu foot	3.5315
	gallon (US, liq)	26.417
	liter	100
	ounce (US, liq)	3381.4
	peck (US)	11.351
hectometer	centimeter	10000
	decimeter	1000
	dekameter	10
	foot	328.08
	meter	100
	rod (US Survey)	19.88
	yard	109.36
hectowatt	watt	100
hefner candle	candle (UK)	0.864
	candle (Germ)	0.855
	candle (Int)	0.901
	10cp pentane candle	0.09
henry	abhenry	1×10^{9}
	henry (Int)	0.9995
	millihenry	1000
	mks (r or nr) unit	1
	stathenry	1.113×10^{-12}
henry (Int)	henry	1.0005
henry/meter	gauss/oersted	795775
	mks (nr) unit	0.0796
	mks (r) unit	1
hertz	cycle/sec	1
hogshead (US)	butt (US)	0.5
	cu foot	8.4219
	cu inch	14553
	cu meter	0.238
	gallon (UK)	52.458
	gallon (US, liq)	63
	gallon (wine)	63
	liter	238.47
hogshead (UK)	cu foot	10.11
horsepower (mech)	Btu (mean)/hr	2542.47
	Btu (mean)/min	42.375
	Btu (mean)/sec	0.7062
	calorie/hr (thermo)	6.416×10^{5}
	calorie (IST)/hr	6.412×10^{5}
	calorie (mean)/hr	6.4069×10^{5}
	calorie/min (thermo)	10694
	calorie (IST)/min	10686
	calorie (mean)/min	10678
	calorie, kg/min (IST)	10.686
	erg/sec	7.457×10^{9}
	foot pound–force/hr	1980000
	foot pound–force/min	33000
	foot pound–force/sec	550
	horsepower (boiler)	0.076
	horsepower (electric)	0.9996
	horsepower (metric)	1.0139
	joule/sec	745.7
	kilowatt	0.7457
	kilowatt (Int)	0.7456
	ton of refrigeration	0.212
	watt	745.7
horsepower (boiler)	Btu (mean)/hr	33445.6
	calorie/min (thermo)	140671.6
	calorie (mean)/min	140469.4
	calorie (20°C)/min	140742.3
	erg/sec	9.8095×10^{10}
	foot pound–force/min	434107
	horsepower (mech)	13.1548
	horsepower (electric)	13.1495
	horsepower (metric)	13.3372
	horsepower (water)	13.1487
	joule/sec	9809.5
	kilowatt	9.8095
horsepower (electric)	Btu/hr (thermo)	2547.16
	Btu (IST)/hr	2545.46
	Btu (mean)/hr	2543.49
	calorie/sec (thermo)	178.298
	calorie, kg/hr (thermo)	641.87
	erg/sec	7.46×10^{9}
	foot pound–force/min	33013
	foot pound–force/sec	550.2
	horsepower (mech)	1.0004
	horsepower (boiler)	0.07605
	horsepower (metric)	1.01428
	horsepower (water)	0.99994
	joule/sec	746
	kilowatt	0.746
horsepower (electric)	watt	746
horsepower (metric)	Btu/hr (thermo)	2511.3
	Btu (IST)/hr	2509.6
	Btu (mean)/hr	2507.7
	calorie/hr (thermo)	6.328×10^{5}
	calorie (IST)/hr	6.324×10^{5}
	calorie (mean)/hr	6.319×10^{5}
	erg/sec	7.355×10^{9}
	foot pound–force/min	32548.6
	foot pound–force/sec	542.476
	horsepower (mech)	0.9863
	horsepower (boiler)	0.07498
	horsepower (electric)	0.9859
	horsepower (water)	0.98587
	kg-force meter/sec	75
	kilowatt	0.7355
	watt	735.499
horsepower (water)	foot pound–force/min	33015
	horsepower (mech)	1.00046
	horsepower (boiler)	0.07605
	horsepower (electric)	1.00006
	horsepower (metric)	1.01434
	kilowatt	0.746043
horsepower hour	Btu (thermo)	2546.1
	Btu (IST)	2544.4
	Btu (mean)	2542.5