WEIGHTS, VOLUMES, TEMPERATURES, & OTHER

Convert From	Into	Multiply By
Btu (thermo)	Btu (Int Steam Tab)	0.999331
	Btu (mean)	0.998560
	Btu @ 60°F	0.999687
	calorie (thermo)	251.996
	calorie (Int Steam Tab)	251.827
	calorie (mean)	251.634
	calorie @ 20°C	252.122
	erg	1.0544×10^{10}
	foot–poundal	25020.1
	foot pound–force	777.649
	gram–force cm	1.0751×10^{7}
	hp–hour	0.000393
	joule	1054.35
	joule (US Int)	1054.16
	kg calorie (thermo)	0.252
	kg force meter	107.514
	kilowatthour	0.000292875
	kilowatthour (Int)	0.00029283
	liter atm	10.456
	wattsecond	1054.35
	wattsecond (Int)	1054.18
Btu (IST)	Btu (thermo)	1.00067
	therm	0.0001
Btu (mean)	Btu (thermo)	1.00144
Btu @ 60°F	Btu (thermo)	1.00031
Btu (thermo)/hr	calorie–kg/hr	0.252
	erg/sec	2.92875×10^{6}
	foot pound–force/hr	777 649
	calorie/sec	0.07
	horsepower	0.000393
	kilowatt	0.00029
	watt	0.29287
Btu (thermo)/min	foot pound–force/sec	12.97
	horsepower	0.02357
	kilowatt	0.01757
	watt	17.576
Btu (thermo)/lb	calorie (thermo)/gram	0.55518
	foot pound–force/lb	777.649
	joule/gram	2.326
Btu (IST)/sq ft min	watt/sq inch	0.1221
buckets (UK)	cu cm	18184.35
	gallon (UK)	4
bushel (UK)	bag (UK)	0.3333
	bushel (US)	1.03206
	cu cm	36368.7
	cu foot	1.28435
	cu inch	2219.35
	gallon (UK)	8
	liter	36.3687
bushel (US, dry)	barrel (US, dry)	0.30476
	bushel (UK)	0.96894
	cu cm	35239.07
	cu foot	1 24446
	cu inch	2150.42
	cu meter	0.03524
	cu yard	0 04609
	gallon (US, dry)	8
	gallon (US, liq)	9.30918
	liter	35.23907
	ounce (US, liq)	1191 57
	peck (US)	4
	pint (US, dry)	64
	quart (US, dry)	32
	quart (US, liq)	37.23671
butt (UK, liq)	bushel (US)	16.2549
	cu foot	20.2285
	cu meter	0.57281
	gallon (US)	151.3197
byte	bit (computers)	8
cable (UK)	degree latitude	0.00167
	meter	185.37
cable length (US Survey)	fathom (US Survey)	120
	foot (US Survey)	720
	meter	219.456
caliber	inch	0.01
	millimeter	0.254
calorie (IST)	Btu (thermo)	0.003971
	Btu (IST)	0.003968
	Btu (mean)	0.003965
	Btu @ 60°F	0.00397
	calorie (thermo)	1.00067
	calorie (mean)	0.99923
	calorie @ 20°C	1 00117
	cu cm atm	41.3205
	cu ft atm	0.00146
	erg	$4 187 \times 10^{7}$
	foot poundal	99.3543
	foot pound–force	3.08803
	gram calorie (IST)	1
	gram–force cm	42693.48
	hp hour	1.5596×10^{-6}
	joule	4.18468
	joule (Int)	4.18604
	kg–force meter	0.426935
	kilowatthour	1.163×10^{-6}
	liter atm	0.04129
	watthour	0.001163
	watthour (Int)	0.001162
	wattsecond	4.187
calorie (mean)	Btu (thermo)	0.003974
	calorie (thermo)	1.00144

Convert From	Into	Multiply By
calorie @ 20°C	Btu (thermo)	0.00397
	calorie (thermo)	0.99949
calorie, kg (thermo)	Btu (thermo)	3.96832
	Btu (IST)	3.96567
	Btu (mean)	3.96261
	Btu @ 60°F	3.96708
	calorie (thermo)	1000
	calorie kg (mean)	0.99856
	calorie kg @ 20°C	1.0005
	cu cm–atm	41292.9
	erg	4.184×10^{10}
	foot–poundal	99288
	foot pound–force	3085.96
	gram–force cm	4.266×10^{7}
	hp–hour	0.00156
	joule	4184
	kilowatthour	0.00116
	liter atm	41.292
	watthour	1.1622
calorie, kg (mean)	Btu (thermo)	3.974
	calorie, (thermo)	1001.4
calorie/gram	Btu/lb (IST)	1.8
	foot pound–force/lb	1400.7
	joule/gram	4.1868
calorie/hr (IST)	Btu/hr (thermo)	0.00397
	erg/sec	11630
	watt	0.001163
calorie, kg/hr (IST)	watt	1.1630
calorie/min (IST)	Btu/min (thermo)	0.00397
	erg/sec	697800
	watt	0.0698
calorie, kg/min (IST)	watt	69 78
calorie/sec (IST)	Btu/sec (thermo)	0 00397
	foot pound–force/sec	3.088
	horsepower	0.0056
	watt	4.186
calorie sec (IST)	Planck constant	6.319×10^{33}
candela	hefner candle (Germ)	1.091
	lumen/steradian	1
candela/sq cm	candela/sq inch	6.4516
	lambert	3.1416
candela/sq ft	candela/sq inch	6.944×10^{-3}
	candela/sq meter	10.7639
	lambert	3.3816×10^{-3}
candela/sq meter	candela/sq foot	0.09290304
	lambert	3.1416×10^{-4}
candle (Engl)	candle (Int)	1.042
candle (Int)	candle (Engl)	0.96
	candle (pentane)	1
	carcel unit	0.104
	hefner candle (Germ)	1.11
candle (Int)	lumen/steradian	1.02
candle/sq cm	candle/sq in	6.452
	candle/sq meter	10000
	foot lambert	2918.6
	lambert	3.1416
candle/sq in	candle/sq cm	0.155
	candle/sq ft	144
	foot lambert	452.39
	lambert	0.4869
candle power	lumen	12.566
carat (metric)	grain	3.0865
	gram	0.2
	milligram	200
carcel unit	candle (Int)	9.61
cental (US)	kilogram	45.359
	pound	100
centiare	are	0.01
	sq foot	10.764
	sq inch	1550
	sq meter	1
	sq yard	1.19599
centigram	grain	0.15432
	gram	0.01
centiliter	cu cm	10
	cu inch	0.610237
	dram (US, liq)	2.705
	liter	0.01
	ounce (US, liq)	0.33814
centimeter	ångstrom	1×10^{8}
	foot	0.03281
	hand (horses)	0.0984
	inch	0.3937
	kilometer	1×10^{-5}
	link (Gunter)	0.0497
	link (Ramden)	0.0328
	meter	0.01
	micrometer	10000
	micron	10000
	mile (naut)	5.3996×10^{-6}
	mile (US statute)	6.2137×10^{-6}
	millimeter	10
	millimicron	1×10^{7}
	mil	393.7
	picas (printers)	2.371
	point (printers)	28.4528
	rod (US Survey)	0.00199
	yard	0.01094
cm–dyne	cm gram–force	1.02×10^{-3}
	foot pound–force	7.376×10^{-8}
	meter kg–force	1.02×10^{-5}