	Multiple	by	To Get	l	hp	2544.5	Btu / hr	ĺ	m / s	3.60	km / h
	inch	2.54	cm		hp	745.70	W (watt)		m/s	3.2808	ft/s
	This can also be w	ritten as: 1 inch = 2			hp	0.74570	kW		m/s	2.237	mi / h (mph)
A	acre	43,560	ft^2		hp hp	33,000 550	ft·lbf / min ft·lbf / sec		m/s^2	3.2808	ft/s^2
	ampere·hr (A·h)	3,600 1x10 ⁻¹⁰	coulomb (C)		hp·hr	2544	Btu		metric ton mil	1000 0.001	kg in
		1.01325	m bar		hp·hr	1.98×10^6	ft·lbf		mi (mile)	5280	ft
	atm, std	76.0	cm of Hg		hp·hr	2.68×10^6	J		mi	1.6093	km
	atm, std	760	mm of Hg at 0°C		in	2.54*	cm		mi ² (square mile)	640	acres
	atm, std atm, std	33.90 29.92	ft of water in of Hg at 30°F		in of Hg in of Hg	0.0334 13.60	atm in of water		mph (mile/hour) mph	1.6093 88.0	km / hr ft / min (fpm)
	atm, std	14.696	lbf/in ² abs (psia)		in of Hg	3.387	kPa		mph	1.467	ft / s
	atm, std	101.325	kPa		in of water	0.0736	in of Hg		mph	0.4470	m / s
	atm, std	1.013×10^5	Pa		in of water	0.0361	lbf / in ² (psi)		micron	$1x10^{-6}$	m
	atm, std	1.03323	kgf / cm^2	_	in of water	0.002458	atm		mm of Hg	1.316×10^{-3}	atm
D	atm, std	14.696 0.9869	psia	J	J (joule)	9.4782x10 ⁻⁴ 6.2415x10 ¹⁸	Btu eV		mm of Hg mm of water	0.1333 9.678x10 ⁻⁵	kPa
D	bar bar	1×10^5	atm, std Pa		J	0.73756	ft·lbf	N	N (newton)	9.076X1U	atm kg·m / s ²
	Btu	778.169	ft·lbf		J	1	N·m	17	N (newton)	1×10^5	dyne
	Btu	1055.056	J		J	$1x10^{7}$	ergs		μN (microN)	0.1	dyne
	Btu	5.40395	psia·ft ³	V	J / s kg (kilogram)	1 2.2046226	W lbm (nound mass)		N	0.22481	lbf
	Btu	2.928x10 ⁻⁴	kWh	V	kg (kilogralli)	0.068522	lbm (pound mass) slug		N·m N·m	0.7376	ft·lbf
	Btu Btu / hr	1x10 ⁻⁵ 1.055056	therm kJ / hr		kg	$1x10^{-3}$	metric ton	P	Pa (pascal)	1	N/m^2
	Btu / hr	0.216	ft·lbf / sec		kg / m^3	0.062428	lbm / ft ³	1	Pa	1.4504×10^{-4}	lbf / in ² (psia)
	Btu / hr	3.929x10 ⁻⁴	hp		kgf	9.80665	newton (N)		Pa	0.020886	lbf / ft ²
	Btu / hr	0.2931	W		kip kip	1000 4448	lbf N		Pa	9.869×10^{-6}	atm
	Btu / lbm	2.326*	kJ/kg		kJ	1	1 kPa·m ³		Pa·s	10	poise
	Btu / lbm Btu / lbm·R	25,037 4.1868	ft^2 / s^2 kJ / kg·K		kJ	1000	N·m		psi (pounds per squ	are inch) see lbf /	in^2
	Btu / lbm·°F	4.1868	kJ/kg·°C		kJ	0.94782	Btu	R	radian	$180/\pi$	degree
	Btu / lbmol·R	4.1868	kJ / kmol·K		kJ	737.56	ft·lbf	S	short ton	2000 907.1847	lbm kg
\mathbf{C}	cal (g-calorie)	3.968×10^{-3}	Btu		kJ / kg kJ / kg	1000 0.42992	m^2 / s^2 Btu / lbm		slug	32.174	lbm
	cal	1.560×10^{-6}	hp∙hr		kJ / kg·K	0.23885	Btu / lbm·°R		slug	14.5939	kg
	cal (IT calorie) Calorie (Cal)	4.1868 4.1868	J kJ		kJ/kg.°C	1	kJ / kg·K		slug / ft ³	0.5154	g/cm^3
	cal / sec	4.1868	W (watt)		kJ / kg·°C kJ / kg·°C	0.23885	J / g·°C Btu / lbm·°F		stokes	1×10^{-4}	m^2/s
	cm (centimeter)	0.03281	ft		kJ / kg·°C	0.23885	Btu / lbm·R	T	therm ton of refrigeration	$1x10^5$	Btu Btu / min
	cm cP (centipoise)	0.3937 0.001	in Pa·sec		km	3280.8	ft .	\mathbf{w}	W (watt)	3.4121	Btu / hr
	cSt (centistokes)	1×10^{-6}	m^2 / sec		km km/hr	0.6214 0.6214	mi mi / hr (mph)		W	0.7376	ft·lbf / sec
D	,	$\pi/180$	radian		km/hr	0.2778	m/s		W	1.341×10^{-3}	hp
_	dyne	10	μN (micronewton)		km/hr	0.9113	ft/s		W	1	J/s
\mathbf{E}	eV (electronvolt)	1.602×10^{-19}	J		kPa (kilopascal)	9.8693×10^{-3}	atm		W / cm^2 W / cm^3	$1x10^4$ $1x10^6$	W / m^2 W / m^3
_	erg	1×10^{-7}	J		kPa kW	0.14504 3412.14	lbf / in ² (psi) Btu / hr		W / cm W / m^2	0.3171	Btu / $(h \cdot ft^2)$
F'	ft (feet) ft	0.3048* 30.48	m cm		kW	0.9478	Btu / III Btu / sec		W/m^3	0.09665	Btu / $(h \cdot ft^3)$
	ft ²	2.2957x10 ⁻⁵	acre		kW	737.56	lbf·ft / sec		W/m·°C	1	W/m·K
	ft ²	144	in^2		kW kWh (kW-hour)	1.341 3412.14	hp Btu		W / m·°C	0.57782	Btu / (h·ft·°F)
	ft^2	0.09290304*	m^2		kWh (kw-nour)	1.341	hp·hr		$W/(m^2.{}^{\circ}C)$	1	$W/(m^2 \cdot K)$
	ft^3	7.481	gal (U.S.)		kWh	3600	kJ		$W/(m^2 \cdot {}^{\circ}C)$	0.17612	Btu / $(h \cdot ft^2 \cdot {}^{\circ}F)$
	ft^3	0.02832	m^3	L	L (liter)	0.03531	ft ³		weber / m ²	10,000	gauss
	ft ³	28.317	L		L	61.02	in ³		* The exact convers	sion between metric a	and English.
	ft ³ / lbm	0.062428	m^3 / kg		L L	0.2642 0.001	gal (U.S.) m ³		TEMPED ATLINE		
	ft·lbf ft·lbf	1.285x10 ⁻³ 1.35582	Btu		L / s	2.119	ft ³ / min (cfm)		TEMPERATURE $T(K) = T(^{\circ}C) + 273$. 15	
	ft·lbf	3.766×10^{-7}	kWh		L/s	15.85	gal / min (gpm)		$T(R) = T(^{\circ}F) + 459.$	67	
	ft·lbf	1.35582	N·m		lbf (pound force)	32.174	lbm·ft / s ²		$T(^{\circ}F) = 1.8 \ T(^{\circ}C) +$	32	
	ft·lbf	0.324	calorie (g-cal)		lbf	4.44822	N	-	SOME IMPORTAN	NT CONSTANTS	
	ft·lbf / sec	1.818×10^{-3}	hp		lbf lbf / in ² (psi)	32.17 0.06805	poundals atm		Atomic Mass Unit (10^{-27} kg
~	ft / s^2	0.3048*	m/s^2		lbf / in ²	2.307	ft water		Avogadro's number	$(N_A) = 6.02213x$	10 ²³ particles/mol
G	U.S. gallon (gal) gal	0.13368 3.7854	ft ³ L		lbf / in ²	2.036	in Hg		Boltzmann's consta	ant (k_B) = 1.38065x	10 ⁻²³ J / K
	gal	3.7854×10^{-3}	m^3		lbf / in ²	6894.757	Pa		electron charge (e)	= -1.6022x	10 ⁻¹⁹ С
	gal	231	in^3		lbm	0.45359237*	kg		electron mass (m_e)	= 9.10939x	
	gal (U.K.)	1.201	gal (U.S.)		lbm	0.031081	slug		proton mass (m_n)	= 1.6726x1	0^{-27} kg
	gal (U.K.)	277.4	in^3		lbm / in^3	1728	lbm / ft ³		Gas Constant (R)	= 8314 J/k	-
	gal / min (gpm)	0.002228	ft ³ / sec		lbm / ft ³ lbm / ft ³	0.016018	g/cm^3		Gravitational Const	cant(G) = 6.672x10	$^{-11}$ N·m ² / kg ²
	gamma (γ,Γ)	1×10^{-9}	tesla (T)	M	m (meter)	16.018 3.28083	kg/m ³ ft		Gravity (mean)	`	.81) m / s^2
	gauss	$1x10^{-4}$	T	171	m (meter)	1.0926	yard		Planck's constant (A	<i>'</i>	-
	gram (g)	2.205×10^{-3}	lbm		m	39.370	in		Speed of Light (c)	= 2.997924	58×10^8 m/s (exact)
	g/cm^3	1	1 kg / L		m^2	1550	in^2		SI PREFIXES		
	g / cm^3	1000	kg/m^3		m^2	10.764	ft^2			(10^{-21}) , atto (10^{-18}) ,	femto (10 ⁻¹⁵) pico
	g / cm^3 g / cm^3	62.428 1.940	lbm / ft ³ slug / ft ³		m ³	1×10^6	cm ³ (cc) ft ³			, micro (10 ⁻⁶), milli (
	g / cm ³	0.036127	lbm / in ³		m^3 m^3	35.315 264.17				(0^{1}) , hecto (10^{2}) , kilo	, , , , , , , , , , , , , , , , , , , ,
н	hectare	1×10^4	m ²		m^3	204.17 1000	gal (U.S.)			¹²), peta (10 ¹⁵), exa (_
11	hectare	2.47104	acres		m^3 / kg	16.02	ft ³ / lbm		yotta (10 ²⁴)		
	hp (horsepower)	42.41	Btu / min		m/s	196.8	ft / min				
	hp	0.7068	Btu / sec								