

lamaPlc calc

vice	versa
Liter, m³ (volume)	
1 l = 1 dm³ = 1000 cm³ = 0,001 m³	
1 cm³ = 1 ml = 0,001 l	
1 l = 0,2642 gal (US Gallon)	1 gal (US Gallon) = 3,7854 l
1 l = 0,2199 gal (UK Gallon)	1 gal (UK Gallon) = 4,54609 l
1 l = 0,008386 bbl (US Barrel)	1 bbl (US Barrel) = 119.2405 l
1 l = 0,00611 bbl (UK Barrel)	1 bbl (UK Barrel) = 163,65924 l
1 l = 2,1133 pt (US Pint)	1 pt (US Pint) = 0,4732 l
1 l = 1,7599 pt (UK Pint)	1 pt (UK Pint) = 0,5682 l
1 l = 4,2265 cup (US Cup)	1 cup (US Cup) = 0,2366 l
1 l = 3,5198 cup (UK Cup)	1 cup (UK Cup) = 0,2841 l
1 l = 61,0237 in ³ (Cubic inch)	1 in ³ (Cubic inch) = 0,016387 l
1 l = 0,0353 ft ³ (Cubic Foot)	1 ft ³ (Cubic Foot) = 28,31685 l
1 l = 0,001308 yd ³ (Cubic Yard)	1 yd ³ (Cubic Yard) = 764,5549 l
1 gal (US Gallon) = 8 pt (US Pint)	1 pt (US Pint) = 0,125 gal (US Gallon)
1 pt (US Pint) = 2 cup (US Cup)	1 cup (US Cup) = 0,5 pt (US Pint)
1 gal (US Gallon) = 16 cup (US Cup)	1 cup (US Cup) = 0,0625 gal (US Gallon)
1 bbl (US Barrel) = 31,5 gal (US Gallon)	1 gal (US Gallon) = 0,0317 bbl (US Barrel)
1 gal (UK Gallon) = 160 fl oz (UK Fluid ounce)	1 fl oz (UK Fluid ounce) = 0,00625 gal (UK Gallon)
1 bbl (UK Barrel) = 36 gal (UK Gallon)	1 gal (UK Gallon) = 0,0277 bbl (UK Barrel)
1 cm ³ = 0,0338 fl oz (US Fluid ounce)	1 fl oz (US Fluid ounce) = 29.5735 cm ³
1 ft ³ (Cubic Foot) = 0,037037037 yd ³ (Cubic Yard)	1 yd ³ (Cubic Yard) = 27 ft ³ (Cubic Foot)
1 ft ³ (Cubic Foot) = 7,4805 gal (US Gallon)	1 gal (US Gallon) = 0,1337 ft ³ (Cubic Foot)
Kilogram (weight)	
1 kg = 35,274 oz (Ounce)	1 oz (Ounce) = 0,02835 kg
1 kg = 2,205 lb (Pound)	1 lb (Pound) = 0,4536 kg
1 kg = 0,1575 (Stones)	1 st (Stones) = 6,35 kg
1 lb (Pound) = 16 oz (Ounce)	1 oz (Ounce) = 0,0625 lb (Pound)
1 st (Stones) = 14 lb (Pound)	1 lb (Pound) = 0,0714 st (Stones)
1 st (Stones) = 224 oz (Ounce)	1 oz (Ounce) = 0,00446 st (Stones)
Meter (distance)	
1 inch = 25,4 mm	1 mm = 0,394 inch
1 foot = 0,3048 m	1 m = 3,28 foot
1 yard = 0,9144 m	1m = 1,0936 yard
1 mile = 1,6093 km	1 km = 0,6213 mile
Watt (power)	
1 W = 3,41 BTU/h (British Thermal Unit)	1 BTU/h = 0,2930710702 W
1 W = 1 J/s	1 J/s = 1W
1 W = 0,001 kJ/s	1 kJ/s = 1000 W
1 W = 0,06 kJ/min	1 kJ/min = 16,6666666667 W
1 W = 3,6 kJ/h	1 kJ/h = 0,2777777778 W
1 W = 1 Nm/s	1 Nm/s = 1 W

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1 W = 1 V * A (DC)	1 V * A = 1 W (DC)
1 W = 1 V * A * cos φ (AC)	1 V * A * cos φ = 1W (AC)
1 W = 0,2388458966 cal/s	1 cal/s = 4,1868 W
1 W = 14,3307537976 cal/min	1 cal/min = 0,06978 W
1 W = 859,845227859 cal/h	1 cal/h = 0,001163 W
1 W = 0,0013404826 HP (horsepower, electric)	1 HP = 745,6998715823 W
1 kW = 1,36 HP (horsepower, electric)	1 HP ≈ 0,746 kW
1 W = 0,000101942 horsepower (boiler)	1 horsepower (boiler) = 9809,5000000002 W
1 W = 0,001 kV * A	1 kVA = 1000 W
1 W = 0,0002843451 ton (refrigeration)	1 ton (refrigeration) = 3516,8528420667
1 W = 0,7375621493 foot pound-force/second	1 foot pound-force/second = 1,3558179483 W
1 W = 44,2537289567 pound-foot/minute	1 pound-foot/minute = 0,0225969658 W
1 W = 2655,223737402 foot pound-force/hour	1 foot pound-force/hour = 0,0003766161 W
1 W = 10000000 (1.0E7) erg/s	1 erg/s = 1.0E-7 W
Joule (energy)	
J = kg*m²*s⁻² = N*m = Pa*m³ = W*s = C*V	
1 J = 0,0002390057 kcal (th)	1 kcal (th) = 4184 J
1 kJ = 0,2390057361 kcal (th)	1 kcal (th) = 4,184 kJ
1 J = 23,730360 ft-pdl (foot-poundal)	1 ft-pdl (foot-poundal) = 0,0421401100938048 J
N - newton (force)	
1 N = 1 J/m	1 J/m = 1 N
1 N = 1 kg * m/s ²	1 kg * m/s ² = 1 N
1 N = 0,1019716213 kgf (Kilogram-force)	1 kgf (Kilogram-force) = 9,80665 N
1 N = 0,2248089431 lbf	1 lbf = 4,4482216153 N
1 N = 100000 dyne	1 dyne = 0,00001 N
Nm - newton-meter (work)	
1 N*m = 1 J	1 J = 1 N*m
1 N*m = 0,7375621493 ft*lbf	1 ft*lbf = 1,3558179483 N*m
1 N*m = 0,0009478171 Btu (IT)	1 Btu (IT) = 1055,05585262 N*m
1 N*m = 0,0002777778 W*h	1 W*h = 3600 N*m
Wh / kWh (energy)	
1 Wh = 0,8598452279 calorie (nutritional)	1 calorie (nutritional) = 1,163 Wh
1 Wh = 3600 Nm	1 Nm = 0.0002777778 Wh
1 kWh ≈ 860 Kcal	
1 kWh = 3,6 Mj	1 Mj = 0,2777 kWh
1 kWh = 85429300 ft*pdl	1 ft*pdl = 0,0117055857884824 kWh
1 kWh = 3.6×10 ¹³ erg	
cal (nutritional) (energy)	
1 cal (nutritional) = 4186,8 J	1 J = 0,0002388459 calorie (nutritional)
1 calorie (nutritional) = 1,163 Wh	1 Wh = 0,8598452279 calorie (nutritional)
cal (thermochemical) (energy)	
A large calorie (kcal) is the amount of energy required to raise 1 kilogram (kg) of water by 1 °C	
1 Kcal = 4184 J = 4,184 kJ	1 kJ = 0,2390057361 kcal (th)
1 kcal (th) = 3,9683217149 Btu (th)	1 Btu (th) = 0,2519956979 kcal (th)

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1 kgf = 1 kp (kilopond) = 1000 p (pond)	
kgf - kilogram-force (unit of force the gravitational) or kilopond (kp)	
1 kf = 1 kp (kilopond) = 1000 p (pond)	
1 kgf = 9,80665 N	1 N = 0,1019716213 kgf
1 kgf = 70,931635284 lb*ft/s ² (pound foot/square second)	1 lb*ft/s ² (pound foot/square second) = 0,0140980819 kgf
fuel efficiency	
1 J/kg = 0,001 kJ/kg; 1 kJ/kg = 1000 J/kg	
1 J/kg = 2,777e-10 gram/kilowatt/hour	1 gram/kilowatt/hour = 3600000000 J/kg
1 J/kg = 2,388e-4 cal/g (calorie IT/gram)	1 cal/g (calorie IT/gram) = 4186,8 J/kg
1 J/kg = 2,39e-4 cal (th)/g (calorie th/gram)	1 cal (th)/g (calorie th/gram) = 4184 J/kg
1 J/kg = 4,299e-4 Btu/lb (Btu IT/pound)	1 Btu/lb (Btu IT/pound) = 2326 J/kg
1 J/kg = 4,3021e-4 Btu (th)/lb (Btu th/pound)	1 Btu (th)/lb (Btu th/pound) = 2324,44 J/kg
1 J/kg = 1,68966e-7 pound/horsepower/hour	1 pound/horsepower/hour = 5918352,5016 J/kg

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