



## Dimensions, units, figures

### Conversion factors, units and energy content

#### Decimal multipliers

Designation	Factor	
kilo (k)	$10^3$	1 000
mega (M)	$10^6$	1 000 000
giga (G)	$10^9$	1 000 000 000
tera (T)	$10^{12}$	1 000 000 000 000
peta (P)	$10^{15}$	1 000 000 000 000 000

#### Units

Quantity	Unit	Symbol	Conversion factor
Power	watt	[W]	
	horsepower	[HP]	1 HP = 735 W
Energy	joule	[J]	
	watt-second	[Ws]	1 Ws = 1 J
	kilowatt-hour	[kWh]	1 kWh = 3 600 000 J = 3,6 MJ
	calorie	[cal]	1 cal = 4,186 J

#### Conversion factors

into: from:	J	TJ	kWh	GWh	cal
J	1	$1 \times 10^{-12}$	$0,2778 \times 10^{-6}$	$0,2778 \times 10^{-12}$	0,2388
TJ	$1 \times 10^{12}$	1	$0,2778 \times 10^6$	0,2778	$0,2388 \times 10^{12}$
kWh	$3,6 \times 10^6$	$3,6 \times 10^{-6}$	1	$1 \times 10^{-6}$	$0,8598 \times 10^6$
GWh	$3,6 \times 10^{12}$	3,6	$1 \times 10^6$	1	$0,8598 \times 10^{12}$
cal	4,186	$4,186 \times 10^{-12}$	$1,163 \times 10^{-6}$	$1,163 \times 10^{-12}$	1