

## CONVERSIONES

### Potencia • Caballos de vapor

#### 1 bhp =

Caldera Caballo de Fuerza. A:

Métrico	
Vatio	9,809.5 W
Kilovatio	9.8095 kW
Megavattios	0.0098095 MW
Gigavattios	9.8095* 10 <sup>-6</sup> GW

Caballo de vapor	
Caballo de fuerza métrico	13.155 hp
Caballo de fuerza mecánica	13,155 mhp
Caballo de fuerza eléctrica	13.149 ehp
Caldera caballos de fuerza	1.0000 bhp

Americano y británico	
Unidad Térmica Británica por hora	33,494 BTU/h
Unidad Térmica Británica por minuto	558.23 BTU/min
Unidad Térmica Británica por segundo	9.3038 BTU/s
Pie-libra fuerza por segundo	7,235.1 ft.lbf/s

#### 1 hp =

Caballo de Fuerza Metrico A:

Metric	
Watt	745.7 W
Kilowatt	0.7457 kW
Megawatt	0.0007457 MW
Gigawatt	7.457* 10 <sup>-7</sup> GW

Horsepower	
Metric horsepower	1.0000 hp
Mechanical horsepower	1,000.0 mhp
Electrical horsepower	0.9996 ehp
Boiler horsepower	0.076018 bhp

**American and British**

British Thermal Unit per hour	2,546.1 BTU/h
British Thermal Unit per minute	42.436 BTU/min
British Thermal Unit per second	0.70726 BTU/s

**1 ehp =**

Caballo de Fuerza Electrica

A:

**Metric**

Watt	746.00 W
Kilowatt	0.74600 kW
Megawatt	0.00074600 MW
Gigawatt	7.4600*10 <sup>-7</sup> GW

**Horsepower**

Metric horsepower	1.0004 hp
Mechanical horsepower	1,000.4 mhp
Electrical horsepower	1.0000 ehp
Boiler horsepower	0.076049 bhp

**American and British**

British Thermal Unit per hour	2,547.2 BTU/h
British Thermal Unit per minute	42.453 BTU/min
British Thermal Unit per second	0.70754 BTU/s
Foot pound-force per second	550.22 ft·lbf/s

**1 mhp =**

Caballo de Fuerza Mecanica

A:

**Metric**

Watt	0.7457 W
Kilowatt	0.0007457 kW
Megawatt	7.457*10 <sup>-7</sup> MW
Gigawatt	7.457*10 <sup>-10</sup> GW

**Metric**

Watt	0.7457 W
Kilowatt	0.0007457 kW
Megawatt	7.457*10 <sup>-7</sup> MW
Gigawatt	7.457*10 <sup>-10</sup> GW

American and British	
British Thermal Unit per hour	2.5461 BTU/h
British Thermal Unit per minute	0.042436 BTU/min
British Thermal Unit per second	0.00070726 BTU/s
Foot pound-force per second	

## Potencia • Sistema Metrico.

**1 W =**

Watt A:

Metric	
Watt	1.0000 W
Kilowatt	0.0010000 kW
Megawatt	1.0000*10 <sup>-6</sup> MW
Gigawatt	1.0000*10 <sup>-9</sup> GW

Horsepower	
Metric horsepower	0.001341 hp
Mechanical horsepower	1.341 mhp
Electrical horsepower	0.0013405 ehp
Boiler horsepower	0.00010194 bhp

American and British	
British Thermal Unit per hour	3.4144 BTU/h
British Thermal Unit per minute	0.056907 BTU/min
British Thermal Unit per second	0.00094845 BTU/s
Foot pound-force per second	0.73756 ft·lbf/s

**1 kW =**

Kilowatt A:

Metric	
Watt	1,000.0 W
Kilowatt	1.0000 kW
Megawatt	0.0010000 MW
Gigawatt	1.0000*10 <sup>-6</sup> GW

Horsepower	
Metric horsepower	1.341 hp
Mechanical horsepower	1,341 mhp
Electrical horsepower	1.3405 ehp
Boiler horsepower	0.10194 bhp

**American and British**

British Thermal Unit per hour	3,414.4 BTU/h
British Thermal Unit per minute	56.907 BTU/min
British Thermal Unit per second	0.94845 BTU/s

**1 MW =**

Megawatt

A:

**Metric**

Watt	1,000,000 W
Kilowatt	1,000.0 kW
Megawatt	1.0000 MW
Gigawatt	0.0010000 GW

**Horsepower**

Metric horsepower	1,341 hp
Mechanical horsepower	1,341,000 mhp
Electrical horsepower	1,340.5 ehp
Boiler horsepower	101.94 bhp

**American and British**

British Thermal Unit per hour	3,414,400 BTU/h
British Thermal Unit per minute	56,907 BTU/min
British Thermal Unit per second	948.45 BTU/s
Foot pound-force per second	737,560 ft-lbf/s

**1 GW =**

Gigawatt

A:

**Metric**

Watt	1,000,000,000 W
Kilowatt	1,000,000 kW
Megawatt	1,000.0 MW
Gigawatt	1.0000 GW

**Horsepower**

Metric horsepower	1,341,000 hp
Mechanical horsepower	1,341* 10 <sup>9</sup> mhp
Electrical horsepower	1,340,500 ehp
Boiler horsepower	101,940 bhp

American and British	
British Thermal Unit per hour	3,414,400,000 BTU/h
British Thermal Unit per minute	56,907,000 BTU/min
British Thermal Unit per second	948,450 BTU/s
Foot pound-force per second	737,560,000

## Potencia • Americano y Británico.

### 1 BTU/h =

Unidad térmica británica por hora

A:

Metric	
Watt	0.29288 W
Kilowatt	0.00029288 kW
Megawatt	$2.9288 \cdot 10^{-7}$ MW
Gigawatt	$2.9288 \cdot 10^{-10}$ GW

Horsepower	
Metric horsepower	0.00039275 hp
Mechanical horsepower	0.39275 mhp
Electrical horsepower	0.00039259 ehp
Boiler horsepower	$2.9856 \cdot 10^{-5}$ bhp

American and British	
British Thermal Unit per hour	1.0000 BTU/h
British Thermal Unit per minute	0.016667 BTU/min
British Thermal Unit per second	0.00027778 BTU/s
Foot pound-force per second	0.21601 ft·lbf/s

### 1 BTU/min =

Unidad térmica británica por minuto

A:

Metric	
Watt	17.573 W
Kilowatt	0.017573 kW
Megawatt	$1.7573 \cdot 10^{-5}$ MW
Gigawatt	$1.7573 \cdot 10^{-8}$ GW

**Horsepower**

Metric horsepower	0.023565 hp
Mechanical horsepower	23.565 mhp
Electrical horsepower	0.023556 ehp

**American and British**

British Thermal Unit per hour	60.000 BTU/h
British Thermal Unit per minute	1.0000 BTU/min
British Thermal Unit per second	0.016667 BTU/s
Foot pound-force per second	12.961 ft·lbf/s

**1 BTU/s =**

Unidad térmica británica por segundo A:

**Metric**

Watt	1,054.4 W
Kilowatt	1.0544 kW
Megawatt	0.0010544 MW
Gigawatt	1.0544* 10 <sup>-6</sup> GW

**Horsepower**

Metric horsepower	1.4139 hp
Mechanical horsepower	1,413.9 mhp
Electrical horsepower	1.4133 ehp
Boiler horsepower	0.10748 bhp

**American and British**

British Thermal Unit per hour	3,600.0 BTU/h
British Thermal Unit per minute	60.000 BTU/min
British Thermal Unit per second	1.0000 BTU/s
Foot pound-force per second	777.65 ft·lbf/s

**1 ft·lbf/s =**

Pie Libra Fuerza por Segundo A:

**Metric**

Watt	1.3558 W
Kilowatt	0.0013558 kW
Megawatt	1.3558* 10 <sup>-6</sup> MW
Gigawatt	1.3558* 10 <sup>-9</sup> GW

Horsepower	
Metric horsepower	0.0018182 hp
Mechanical horsepower	1.8182 mhp
Electrical horsepower	0.0018175 ehp

American and British	
British Thermal Unit per hour	4.6293 BTU/h
British Thermal Unit per minute	0.077156 BTU/min
British Thermal Unit per second	0.0012859 BTU/s
Foot pound-force per second	1.0000 ft·lbf/s

## Temperatura • sistema común

**1 °C =**

Grados Centígrados

A:

Common	
Degree Celsius	1.0000 °C
Kelvin	274.15 K
Degree Fahrenheit	33.8 °F

Miscellaneous	
Degree Réaumur	0.80000 °Ré
Degree Rankine	493.47 °Ra
Degree Rømer	8.025 °Rø
Degree Delisle	148.5 °De

**1 K =**

Kelvin

A:

Common	
Degree Celsius	-272.15 °C
Kelvin	1.0000 K
Degree Fahrenheit	-457.87 °F

Miscellaneous	
Degree Réaumur	-217.72 °Ré
Degree Rankine	1.8 °Ra
Degree Rømer	-135.38 °Rø
Degree Delisle	558.22 °De

## 1 °F =

Grados Fahrenheit A:

Common	
Degree Celsius	-17.222 °C
Kelvin	255.93 K
Degree Fahrenheit	1.0000 °F

Miscellaneous	
Degree Réaumur	-13.778 °Ré
Degree Rankine	460.67 °Ra
Degree Rømer	-1.5417 °Rø
Degree Delisle	175.83 °De

## Temperatura • sistema misceláneos

### 1 °Ré =

Grados Reaumur A:

Common	
Degree Celsius	1.2500 °C
Kelvin	274.40 K
Degree Fahrenheit	34.25 °F

Miscellaneous	
Degree Réaumur	1.0000 °Ré
Degree Rankine	493.92 °Ra
Degree Rømer	8.1563 °Rø
Degree Delisle	148.12 °De

### 1 °Ra =

Grados Rankine A:

Common	
Degree Celsius	-272.59 °C
Kelvin	0.55556 K
Degree Fahrenheit	-458.67 °F

Miscellaneous	
Degree Réaumur	-218.08 °Ré
Degree Rankine	1.0000 °Ra
Degree Rømer	-135.61 °Rø
Degree Delisle	558.89 °De



## 1 °Rø =

Grados Romer A:

Common	
Degree Celsius	-12.381 °C
Kelvin	260.77 K
Degree Fahrenheit	9.7143 °F

Miscellaneous	
Degree Réaumur	-9.9048 °Ré
Degree Rankine	469.38 °Ra
Degree Rømer	1 °Rø
Degree Delisle	168.57 °De

## 1 °De =

Grados Delisle

A:

Common	
Degree Celsius	99.333 °C
Kelvin	372.48 K
Degree Fahrenheit	210.8 °F

Miscellaneous	
Degree Réaumur	79.467 °Ré
Degree Rankine	670.47 °Ra
Degree Rømer	59.65 °Rø
Degree Delisle	1.0000 °De