

Formulas - Data - Measurements

Power - Pressure - Speed

POWER

1 U.S. horsepower	equal	0.7457 kilowatt (kW)
1 U.S. horsepower	equal	746 watt (W)
1 Kilowatt (kW)	equal	1.341 horsepower (hp)
1 Joule/second (J/s)	equal	1 Watt - Newton m/s (Nm/s)

PRESSURE

1 pound force per sq.in. (psi)	equal	6.895 Kilopascal (kPa)
1 pound force per sq.in. (psi)	equal	703 kilo pound per sq. m (kp/m ²)
1 pound force per sq.in. (psi)	equal	0.0703 bar
1 pound force per square ft.	equal	0.15 kp/m ²
1 pound force per square ft.	equal	0.478 mbar
1 pound force per square yd.	equal	0.543 kp/m ²
1 phys. atmosphere	equal	1.033 bar
1 phys. atmosphere	equal	14.7 lbs/square inc.
1 kp/mm ²	equal	1,422 psi
1 bar	equal	14.5 psi
1 N/mm ²	equal	145 psi

SPEED

1 mile per hour	equal	1.609 km per hour
1 mile per hour	equal	0.447 meter per second
1 centimeter per second	equal	0.03281 feet per second
1 meter per second	equal	196.8 feet per minute
1 meter per second	equal	3.281 feet per second
1 meter per second	equal	39.37 inches per second