

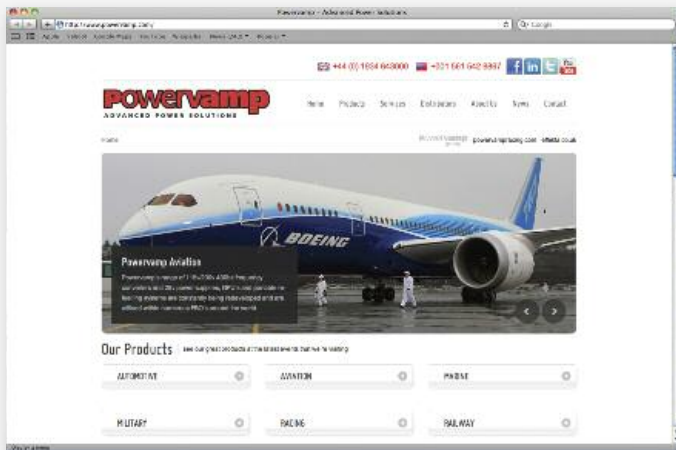
# Aviation formulas: US-Imperial-Metric conversions

Length (distance)			
inches	x 25.4 =	millimetres	x 0.0394 = inches
feet	x 0.305 =	metres	x 3.281 = feet
miles	x 1.609 =	kilometres	x 0.621 = miles
Volume (capacity)			
cubic inches (cu in)	x 16.387 =	cubic centimetres	x 0.061 = cubic inches
imperial pints	x 0.568 =	litres	x 1.76 = imperial pints
imperial quarts	x 1.137 =	litres	x 0.88 = imperial quarts
imperial quarts	x 1.201 =	US quarts	x 0.833 = imperial quarts
US quarts	x 0.946 =	litres	x 1.057 = US quarts
imperial gallons	x 4.546 =	litres	x 0.22 = imperial gallons
imperial gallons	x 1.201 =	US gallons	x 0.833 = imperial gallons
US gallons	x 3.785 =	litres	x 0.264 = US gallons
Mass (weight)			
ounces	x 28.35 =	grams	x 0.035 = ounces
pounds	x 0.454 =	kilograms	x 2.205 = pounds
Force			
ounces-force	x 0.278 =	newtons	x 3.6 = ounces-force
pounds-force	x 4.448 =	newtons	x 0.225 = pounds-force
newtons	x 0.1 =	kilograms-force	x 9.81 = newtons
Pressure			
pounds-force per square inch	x 0.070 =	kilograms-force per square centimetre	x 14.223 = pounds-force per square inch
pounds-force per square inch	x 0.068 =	atmospheres	x 14.696 = pounds-force per square inch
pounds-force per square inch	x 0.069 =	bars	x 14.5 = pounds-force per square inch
pounds-force per square inch	x 6.895 =	kilopascals	x 0.145 = pounds-force per square inch

kilopascals	x 0.01 =	kilograms-force per square centimetre	x 98.1 = kilopascals
millibar	x 100 =	pascals	x 0.01 = millibar
millibar	x 0.0145 =	pounds-force per square inch	x 68.947 = millibar
millibar	x 0.75 =	millimetres of mercury	x 1.333 = millibar
millibar	x 0.401 =	inches of water	x 2.491 = millibar
millimetres of mercury	x 0.535 =	inches of water	x 1.868 = millimetres of mercury
inches of water	x 0.036 =	pounds-force per square inch	x 27.68 = inches of water
Torque (moment of force)			
pounds-force inches	x 1.157 =	kilograms-force centimetre	x 0.868 = pounds-force inches
pounds-force inches	x 0.113 =	newton metres	x 8.85 = pounds-force inches
pounds-force inches	x 0.083 =	pounds-force feet	x 12 = pounds-force inches
pounds-force feet	x 0.138 =	kilograms-force metres	x 7.233 = pounds-force feet
pounds-force feet	x 1.356 =	newton metres	x 0.738 = pounds-force feet
newton metres	x 0.102 =	kilograms-force metres	x 9.804 = newton metres
Power			
horsepower	x 745.7 =	watts	x 0.0013 = horsepower
Velocity (speed)			
miles per hour	x 1.609 =	kilometres per hour	x 0.621 = miles per hour
Fuel consumption			
miles per gallon, imperial	x 0.354 =	kilometres per litre	x 2.825 = miles per gallon, imperial
miles per gallon, US	x 0.425 =	kilometres per litre	x 2.352 = miles per gallon, US
Temperature			
degrees Fahrenheit (F) = (C x 1.8) + 32      degrees Celsius (degrees centigrade, C) = (F - 32) x 0.56			

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