



CALCULATION & CONVERSION CHART

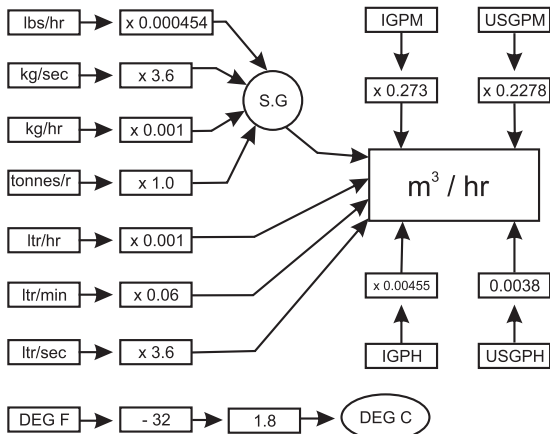
Conversions

To Convert to liters / sec.

IGPM	x 0.0757
m ³ /hr	x 0.278
m ³ /min	x 16.68
Metric tonnes / hr	x 0.278 ÷ S.G.
Liters / min	x 0.0167
Kilograms / hr	x 0.000278 ÷ S.G.
USGPM	x 0.063
Cubic feet / sec	x 28.3
Cubic feet / min	x 0.47
British tons / hr	x 0.282 ÷ S.G.
British barrels / hr	x 0.0455

To Convert to m³/hr

IGPM	x 0.273
Liters / sec	x 3.60
Liters / min	x 0.06
Metric tonnes / hr	x 1 ÷ S.G.
m ³ / min	x 60
Kilograms / hr	x 0.001 ÷ S.G.
Kilograms / sec	x 3.6 ÷ S.G.
USGPM	x 0.227
Cubic feet / Sec	x 101.94
Cubic feet / min	x 1.7
British tons / hr	x 1.015 ÷ S.G.
British barrels / hr	x 0.163



Pumping Head Conversions

To Convert to Meters

Feet	x 0.305
Kg / cm ²	x 10 ÷ S.G.
PSI	x 0.704 ÷ S.G.
Inches Hg	x 0.345 ÷ S.G.
cm Hg	x 0.1362 ÷ S.G.
Atmospheres	x 10.35 ÷ S.G.
kN/m ² (kPa)	x 0.102 ÷ S.G.
Bar	x 10.2 ÷ S.G.

Power Conversions

To Convert to Kilowatts

Horse Power	x 0.746
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To Convert to HP

Kilowatts	x 1.341
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KW =

$$\frac{\text{m}^3/\text{hr} \times \text{total head in meters} \times \text{S.G.}}{367 \times \text{pump efficiency}}$$

BHP =

$$\frac{\text{IMP.GPM} \times \text{total head in ft} \times \text{S.G.} \times 10}{33,000 \times \text{pump efficiency}}$$

