

Data Sheet for Engineers*

N Ravi Menon**

| To convert | Into | Multiply |
|----------------------|---------------------------|------------------------|
| Acre | ha | 0.4047 |
| | sq. feet | 43 560 |
| | mm mercury | 762.7 |
| | in mercury | 29.92 |
| Atmosphere | kg m ⁻² | 10 339 |
| | tonne /ft ² | 0.9454 |
| | pounds /in ² | 14.5 |
| | bar | 1.01325 |
| | metres head | 10.3323 |
| | feet of water | 33.9 |
| Barrels | kg cm ⁻² | |
| | oil- US gal | 42 |
| | liquid-US gal | 31.5 |
| Bar | feet (head) | 33.48 |
| | metres (head) | 10.2 |
| BTU | foot lbs | 778.3 |
| | kilo joules | 1.0548 |
| | horse power hrs | 3.931x10 ⁻⁴ |
| | kg metre | 107.56 |
| BTU/min | kw hrs | 2.928x10 ⁻⁴ |
| | watts | 17.57 |
| CM mercury | horse power | 0.02356 |
| | kg m ⁻² | 135.55 |
| Chain | pounds /in ² | 0.1928 |
| | metres | 20.12 |
| Cubic cm | cubic feet | 3.531x10 ⁻⁵ |
| | cubic inches | 0.06102 |
| | gallon | 2.022x10 ⁻⁴ |
| | litre | 0.001 |
| Cubic feet | cubic metre | 0.02832 |
| | gallons | 6.229 |
| | litre | 28.32 |
| Cubic metre | gallons | 220 |
| | cubic feet | 35.31 |
| Feet | litre | 1000 |
| | metre | 0.3048 |
| Feet of water | inches of mercury | 0.8846 |
| | kg m ⁻² | 304.57 |
| | pounds /inch ² | 62.38 |
| Feet/sec | metre /sec | 0.305 |
| | km hr ⁻¹ | 1.1 |

| To convert | Into | Multiply |
|---------------------------|--------------------|-------------------------|
| Feet/sec | knots | 0.6 |
| | feet | 660 |
| Furlong | metre | 201.2 |
| | litre | 4.546 |
| Gallon | gallon (USA) | 1.2 |
| | acre | 2.471 |
| Gallon (UK) | Square feet | 107 600 |
| | hp (metric) | 1.014 |
| Hectare | BTU / min | 42.44 |
| | kiloWatts | 746 |
| Horse Power | BTU /hr | 33 479 |
| | kiloWatt | 9.803 |
| Hp (boiler) | pounds | 112 |
| | kg | 51 |
| Hundred weights | BTU | 9.48 x 10 ⁻⁴ |
| | newton | 9.806 |
| Joules | furlong | 8 |
| | km | 1.609 |
| Kilogram | km/hr | 1.609 |
| | m / min | 26.82 |
| Mile | gallon | 0.125 |
| | litre | 0.5683 |
| Mile/hour | milli litre /cc | 568 |
| | km/hr | 3.6 |
| Mere/sec | miles/hr | 2.237 |
| | pounds | 2240 |
| t | kg | 1016 |
| | pounds | 2205 |
| t (metric) | kg | 1000 |
| | kg/mm ² | 1.57488 |
| t/inch² | gallons /min | 223.5 |
| | BTU/hr | 3.4129 |
| t/min | foot-pounds /s | 0.737 |
| | horse power | 1.341 x10 ⁻³ |
| Watt | BTU | 3.413 |
| | kg metre | 366.82 |
| Watt hr | foot pounds | 2653 |
| | kg calories | 0.8598 |
| Watt sec | kiloWatt hr | 0.001 |
| | joules | 1 |
| Yard | metre | 0.9144 |

Note: *Compiled from many sources.

** No. 77, Jalan SS 22/37, Damansara Jaya,
47400 Petaling Jaya, Selangor.
E-mail: nravimenon41@gmail.com