

FORMULAS AND CONVERSIONS

$1.8 (C^{\circ} + 17.78) = F^{\circ}$
$.555 (F^{\circ} - 32) = C^{\circ}$
$GPM \times 3.785 = LPM$
$LPM \times .2642 = GPM$
$PSI \times .06896 = BAR$
$BAR \times 14.5 = PSI$
$mm \times .03937 = in$
$in \times 25.4 = mm$
$ft\ lbs \times 1.356 = Nm$
$Nm \times .737562 = ft\ lbs$
$in\ lbs \times .11298 = Nm$
$Nm \times 8.85 = in\ lbs$
$fl\ oz \times .02957 = liters$
$fl\ oz \times 30 = milliliters [cc]$
$PSI \times 2.307 = ft\ of\ water$
$ft\ of\ water \times .4335 = PSI$
$PSI \times 2.036 = in\ mercury$
$in\ mercury \times .4912 = PSI$
$liters \times 33.32 = fl\ oz$
$milliliters \times .0338142 = fl\ oz$
$Grams / 28.3495 = oz$
$micron \times .00004 = inches$
$micron \times .0394 = .000''$
$in\ of\ water \times .3613 = PSI$
$EBHP \times .7457 = Kw$
$Kw \times 1.34102 = EBHP$
$1\ gal\ water = 8.33\ lbs$
$1\ gal\ sea\ water = 8.547\ lbs$
$1\ meter\ water = 3.28\ ft$

$1\ hp = 746\ watts$
$1\ hp = .746\ kilowatts$
$1\ Kw = 1000\ watts$
$1\ Kw = 1.341\ HP$
$1\ mile = 1.61\ kilometers$
$1\ kilogram = 2.2\ lbs$
$kilometer \times .062137 = mile$
$grains \times .0352739 = oz$
Water Quality
$GPG = gain/gallon$
$PPM = parts/million$
$LPMG = lbs/million\ gallons$
$PPM = GPG \times 17.118$
$LPMG = GPG \times 142.9$
$GPM \times PSI/1457 = EBHP$
$EBHP \times 1457 / PSI = GPM$
$EBHP \times 1457 / GPM = PSI$
$HP \times 1.014 = metric\ HP$
$LPM \times BAR / 385 = EBHP$
50Hz EBHP Formulas
$GPM \times PSI/1371 = 80\% \text{ eff}$
$GPM \times PSI/1405 = 82\% \text{ eff}$