

# CONVERSION FACTORS

To Convert	Into	Multiply By
<b>Degrees/Sec</b>	radians/sec	0.01745
degs/sec	revs/min	0.1667
degs/sec	revs.sec	0.002778
<b>Feet</b>	cms	30.48
ft	ins	12
ft	meters	0.3048
ft	yds	1/3
<b>Ft of Water</b>	atms	0.02850
ft of w	ins mercury	0.8826
ft of w	kgs/sq cm	0.03048
ft of w	lbs/sq ft	62.32
ft of w	lbs/sq in	0.4328
<b>Feet/Min</b>	cm/sec	0.5080
ft/min	ft/sec	0.01667
ft/min	kms/hr	0.01829
ft/min	meters/min	0.3048
ft/min	miles/hr	0.01136
<b>Ft/Sec/Sec</b>	cms/sec/sec	30.48
ft/sec/sec	Meters/sec/sec	0.3048
<b>Ft-Pounds</b>	BTUs	1.286 x 10 <sup>-3</sup>
ft lbs	hp-hrs	5.050 x 10 <sup>-7</sup>
ft lbs	kg-calories	3.241 x 10 <sup>-4</sup>
ft lbs	kg-meters	0.1383
ft lbs	kw-hrs	3.766 x 10 <sup>-7</sup>
<b>Ft-lbs/Min</b>	BTUs/min	7.717 x 10 <sup>-2</sup>
ft-lbs/min	ft-lbs/sec	0.01667
ft-lbs/min	hp	3.030 x 10 <sup>-5</sup>
ft-lbs/min	kg-calories/min	3.241 x 10 <sup>-3</sup>
ft-lbs/min	kws	2.260 x 10 <sup>-5</sup>
<b>Ft-lbs/Sec</b>	BTUs/min	7.717 x 10 <sup>-2</sup>
ft-lbs/sec	hp	1.818 x 10 <sup>-3</sup>
ft-lbs/sec	kg-calories/min	1.945 x 10 <sup>-2</sup>
ft-lbs/sec	kws	1.356 x 10 <sup>-3</sup>
<b>Gallons</b>	ccs	3785
gals	cu ft	0.1337
gals	cu ins	231
gals	cu meters	3.785 x 10 <sup>-3</sup>
gals	liters	3.785
gals	pints (liq)	8
gals	quarts (liq)	4
<b>Gallons, Imp</b>	US gals	1.20095
gallons, US	Imp gals	0.83267
<b>Gallons/Min</b>	cu ft/sec	2.225 x 10 <sup>-3</sup>
gal/min	liters/sec	0.06308
gal/min	cu ft/hr	8.0208

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<b>Horse-Power</b>	BTUs/min	42.44
hp	ft-lbs/min	33,000
hp	ft-lbs/sec	550
hp	hp (metric)	1.014
hp	kg-calories/min	10.70
hp	kws	0.7457
hp	watts	745.7
<b>Hp-Hours</b>	BTUs	2547
hp-hrs	ft-lbs	1.98 x 10 <sup>8</sup>
hp-hrs	kg-calories	641.7
hp-hrs	kg-meters	2.737 x 10 <sup>5</sup>
hp-hrs	kw-hrs	0.7457
<b>Inches</b>	cms	2.540
<b>Ins Mercury</b>	atms	0.002458
ins mercury	ft water	1.133
ins mercury	kgs/sq cm	0.03453
ins mercury	lbs/sq ft	70.73
ins mercury	lbs/sq in	0.4912
<b>Ins of Water</b>	atms	0.002458
ins of w	ft mercury	0.07355
ins of w	kgs/sq cm	0.002540
ins of w	lbs/sq ft	5.202
ins of w	lbs/sq in	0.03613
<b>Kilograms</b>	dynes	980,665
kgs	lbs	2.205
kgs	ton (short)	1.102 x 10 <sup>-3</sup>
kgs	grams	1000
<b>Kgs/Sq Cm</b>	atms	0.9678
kgs/sq cm	ft water	32.81
kgs/sq cm	ins mercury	28.96
kgs/sq cm	lbs/sq ft	2048
kgs/sq cm	lbs/sq in	14.22
<b>Kilometers</b>	cms	10 <sup>5</sup>
kms	ft	3281
kms	meters	10 <sup>3</sup>
kms	miles	0.6214
<b>Kms/Hr</b>	cms/sec	27.78
kms/hr	ft/min	54.68
kms/hr	ft/sec	0.9113
kms/hr	meters/min	16.87
kms/hr	miles/hr	0.6214
<b>Kms/Hr/Sec</b>	cms/sec/sec	27.78
kms/hr/sec	ft/sec/sec	0.9113
kms/hr/sec	meters/sec/sec	0.2778