

Conversion Factors

TO CONVERT	INTO	MULTIPLY BY	TO CONVERT	INTO	MULTIPLY BY
Degrees/Sec	radians/sec	0.01745	Horse-Power	BTUs/min	42.44
degs/sec	revs/min	0.1667	hp	ft-lbs/min	33,000
degs/sec	revs/sec	0.002778	hp	ft-lbs/sec	550
			hp	hp (metric)	1.014
Feet	cms	30.48	hp	kg-calories/min	10.70
ft	ins	12	hp	kws	0.7457
ft	meters	0.3048	hp	watts	745.7
ft	yds	1/3			
			Hp-Hours	BTUs	2547
Ft of Water	atms	0.02950	hp-hrs	ft-lbs	1.98 x 10 ⁶
ft of w	ins mercury	0.8826	hp-hrs	kg-calories	641.7
ft of w	kgs/sq cm	0.03048	hp-hrs	kg-meters	2.737 x 10 ⁵
ft of w	lbs/sq ft	62.32	hp-hrs	kw-hrs	0.7457
ft of w	lbs/sq in	0.4328			
			Inches	cms	2.540
Feet/Min	cm/sec	0.5080			
ft/min	ft/sec	0.01667	Ins Mercury	atms	0.002458
ft/min	kms/hr	0.01829	ins mercury	ft water	1.133
ft/min	meters/min	0.3048	ins mercury	kgs/sq cm	0.03453
ft/min	miles/hr	0.01136	ins mercury	lbs/sq ft	70.73
			ins mercury	lbs/sq in	0.4912
Ft/Sec/Sec	cms/sec/sec	30.48			
ft/sec/sec	Meters/sec/sec	0.3048	Ins of Water	atms	0.002458
			ins of w	ins mercury	0.07355
Ft-Pounds	BTUs	1.286 x 10 ⁻³	ins of w	kgs/sq cm	0.002540
ft lbs	hp-hrs	5.050 x 10 ⁻⁷	ins of w	lbs/sq ft	5.202
ft lbs	kg-calories	3.241 x 10 ⁻⁴	ins of w	lbs/sq in	0.03613
ft lbs	kg-meters	0.1383			
ft lbs	kw-hrs	3.766 x 10 ⁻⁷	Kilograms	dynes	980,665
			kgs	lbs	2.205
Ft-lbs/Min	BTUs/min	7.717 x 10 ⁻²	kgs	tons (short)	1.102 x 10 ⁻³
ft-lbs/min	ft-lbs/sec	0.01667	kgs	grams	1000
ft lbs/min	hp	3.030 x 10 ⁻⁵			
ft-lbs/min	kg-calories/min	3.241 x 10 ⁻³	Kgs/Sq Cm	atms	0.9678
ft-lbs/min	kws	2.260 x 10 ⁻⁵	kgs/sq cm	ft water	32.81
			kgs/sq cm	ins mercury	28.96
Ft-lbs/Sec	BTUs/min	7.717 x 10 ⁻²	kgs/sq cm	lbs/sq ft	2048
ft-lbs/sec	hp	1.818 x 10 ⁻³	kgs/sq cm	lbs/sq in	14.22
ft-lbs/sec	kg-calories/min	1.945 x 10 ⁻²			
ft-lbs/sec	kws	1.356 x 10 ⁻³	Kilometers	cms	10 ⁵
			kms	ft	3281
Gallons	ccs	3785	kms	meters	10 ³
gals	cu ft	0.1337	kms	miles	0.6214
gals	cu ins	231			
gals	cu meters	3.785 x 10 ⁻³	Kms/Hr	cms/sec	27.78
gals	liters	3.785	kms/hr	ft/min	54.68
gals	pints (liq)	8	kms/hr	ft/sec	0.9113
gals	quarts (liq)	4	kms/hr	meters/min	16.67
			kms/hr	miles/hr	0.6214
Gallons, Imp	US gals	1.20095			
gallons, US	imp gals	0.83267	Kms/Hr/Sec	cms/sec/sec	27.78
			kms/hr/sec	ft/sec/sec	0.9113
Gallons/Min	cu ft/sec	2.228 x 10 ⁻³	kms/hr/sec	Meters/sec/sec	0.2778
gal/min	liters/sec	0.06308			
gal/min	cu ft/hr	8.0208			