

CONVERSION FACTORS

MULTIPLY BY TO OBTAIN		MULTIPLY . . . BY TO OBTAIN		MULTIPLY . . . BY TO OBTAIN				
Atmospheres.	76.0	cms mercury	Feet/Min	0.5080	cms/sec	Kilowatts	56.92	BTUs/min
atm	29.92	ins mercury	ft/min	0.01667	ft/sec	kws	4.425x10 ⁴	ft-lbs/min
atm	33.90	ft water	ft/min	0.01829	kms/hr	kws	737.6	ft-lbs/sec
atm	1.0333	kgs/sq cm	ft/min	0.3048	Ms/min	kws	1.341	hp
atm	14.70	lbs/sq ft	ft/min	0.01136	miles/hr	kws	14.34	kg-calories/min
atm	1.058	tons/sq ft	Ft/Sec/Sec	30.48	cms/sec/sec	kws	10 ³	watts
Barrels - Oil	42	gals-oil	ft/sec/sec	0.3048	Ms/sec/sec	Kilowatt-Hrs	3415	BTUs
BT Units	0.2520	kg-calories	Ft-Pounds	1.286x10 ⁻³	BTUs	kw-hrs	2.655x10 ⁶	ft-lbs
BTU s	777.5	ft-lbs	ft lbs	5.050x10 ⁻⁷	hp-hrs	kw-hrs	1.341	hp-hrs
BTU s	3.927x10 ⁻⁴	hp-hrs	ft lbs	3.241x10 ⁻⁴	kg-calories	kw-hrs	860.5	kg-calories
BTU s	107.5	kg-meters	ft lbs	0.1383	kg-meters	kw-hrs	3.671x10 ⁵	kg-meters
BTU s	2.928x10 ⁻⁴	kw-hrs	ft lbs	3.766x10 ⁻⁷	kw-hrs	kw-hrs	10 ³	ccs
BTU/Min	12.96	ft-lbs/sec	Ft-lbs/Min	1.286x10 ⁻³	BTUs/min	liters	0.03531	cu ft
BTU/min	0.02356	hp	ft-lbs/min	0.01667	ft-lbs/sec	liters	61.02	cu ins
BTU/min	0.01757	kw	ft-lbs/min	3.030x10 ⁻⁵	hp	liters	10 ⁻²	cu meters
BTU/min	17.57	watts	ft-lbs/min	3.241x10 ⁻⁴	kg-calories/min	liters	0.2642	gals
Centimeters	0.3937	inches	ft-lbs/min	2.260x10 ⁻⁵	kws	liters	1.057	quarts(lik)
cm	0.01	meters	Ft-Lbs/Sec	7.717x10 ⁻²	BTUs/min	Liters/Min	4.403x10 ⁻³	gals/sec
cm	10	mm	ft-lbs/sec	1.818x10 ⁻³	hp	Meters	100	cms
Cms Mercury	0.01316	atm	ft-lbs/sec	1.945x10 ⁻²	kg-calories/mln	meters	3.281	ft
cms mercury	0.4461	ft water	ft-lbs/sec	1.356x10 ⁻³	kws	meters	39.37	ins
cms mercury	136.0	kgs/sq meter	Gallons	3785	ccs	meters	10 ⁻³	kms
cms mercury	27.85	lbs/sq ft	gals	0.1337	cu ft	meters	10 ³	mms
cms mercury	0.1934	lbs/sq in	gals	231	cu ins	meters/min	1.667	cms/sec
Cms/Second	1.969	ft/min	gals	3.785x10 ⁻³	cu meters	meters/min	3.281	ft/min
cms/sec	0.03281	ft/sec	gals	3.785	liters	meters/min	0.05468	ft/sec
cms/sec	0.036	km/hr	gals	8	pints (lik)	meters/min	0.06	kms/hr
cms/sec	0.6	meters/mln	gals	4	quarts (lik)	meters/min	0.03728	miles/hr
cms/sec	0.02237	miles/hr	Gallons,Imp	1.20095	US gals	Meters/Sec	196.8	ft/min
cms/sec	3.728x10 ⁻⁴	miles/min	gallons, US	0.83267	imp gals	meters/sec	3.281	ft/sec
Cms/Sec/Sec	0.03281	ft/sec/sec	Gals Water	8.3453	lbs water	meters/sec	3.6	kms/hr
Cubic Cms	3.531x10 ⁻⁵	cu ft	Gallons/Min	2.228x10 ⁻³	cu ft/sec	meters/sec	0.06	kms/mln
cu cms	6.102x10 ⁻²	cu in	gal/mln	0.06308	liters/sec	meters/sec	2.237	miles/hr
cu cms	10 ⁻⁶	cu meters	gals/min	8.0208	cu ft/hr	meters/sec	0.03728	miles/min
cu cms	1.308x10 ⁻⁶	cu yds	Gals Water/Min	6.0086	tons water/24hrs	Microns	10 ⁻⁶	meters
cu cms	2.642x10 ⁻⁴	gals	Grams	980.7	dynes	microns	25,400	in
cu cms	10 ⁻³	liters	grams	15.43	grains	Miles/Hr	44.70	cms/sec
cu cms	2.113x10 ⁻³	pints (lik)	grams	10 ⁻³	kgs	miles/hr	88	ft/min
cu cms	1.057x10 ⁻³	quarts (lik)	grams	103	milligrams	miles/hr	1.467	ft/sec
Cubic Feet	2.832x10 ⁴	cubic cms	grams	0.03527	ozs	miles/hr	1.609	kms/hr
cu ft	1728	cu inches	grams	0.03215	ozs (troy)	miles/hr	0.8684	knots
cu ft	0.02832	cu meters	grams	2.205x10 ⁻³	lbs	miles/hr	26.82	meters/min
cu ft	0.03704	cu yds	Grams/Cm	5.600x10 ⁻³	lbs/in	Millimeters	0.1	cms
cu ft	7.48052	cu yds	Grams/Cu Cm	62.43	lbs/cu ft	mms	0.03937	ins
cu ft	28.32	liters	grams/cu cm	0.03613	lbs/cu in	Mins (Angle)	2.909x10 ⁻⁴	radians
cu ft	59.84	pints (lik)	Grams/Liter	58.417	grains/gal	Ounces	16	drams
cu ft	29.92	quarts (lik)	grams/liter	8.345	lbs/1000 gals	ozs	437.5	grains
cu ft	472.0	cu cms/sec	grams/liter	0.062427	lbs/cu ft	ozs	0.0625	lbs
Cu Ft/min	0.1247	gals/sec	Horse-Power	1000	parts/million	ozs	28.349527	grams
cu ft/min	0.4720	liters/sec	hp	42.44	BTUs/min	ozs	0.9115	ozs(troy)
cu ft/min	62.43	lbs w/min	hp	33,000	ft-lbs/min	ozs	2.790x10 ⁻⁵	tons(long)
Cu Ft/Sec	0.646317	Million gals/day	hp	550	ft-lbs/sec	ozs	2.835x10 ⁻⁵	tons (metric)
cu ft/sec	448.831	gals/min	hp	1.014	hp (metric)	Ozs (Fluid)	1.805	cu in
Cu Inches	16.39	cc	hp	10.70	kg-calories/mln	ozs (fluid)	0.02957	liters
cu ins	5.787x10 ⁻⁴	cu ft	hp	0.7457	watts	Pounds	16	ozs
cu ins	1.639x10 ⁻⁵	cu meters	hp	745.7	BTUs	lbs	256	drams
cu ins	2.143x10 ⁻⁵	cu yds	Hp-Hours	2547	ft-lbs	lbs	7000	grains
cu ins	4.329x10 ⁻³	gals	hp-hrs	1.98x10 ⁶	kg-calories	lbs	0.0005	tons(short)
cu ins	1.639x10 ⁻²	liters	hp-hrs	641.7	kg-meters	lbs	453.5924	grams
cu ins	0.03463	pints (lik)	hp-hrs	2.737x10 ⁵	kw-hrs	lbs	1.21528	lbs(troy)
cu ins	0.01732	quarts (lik)	hp-hrs	0.7457	cms	lbs	14.5833	ozs(troy)
Cu Meters	10 ⁴	cc	Inches	2.540	atms	lbs	0.01602	cu ft
cu M	35.31	cu ft	Ins Mercury	0.03342	ft water	lbs of water	27.68	cu in
cu M	61.023	cu ins	Ins mercury	1.133	kgs/sq cm	lbs of water	0.1198	gals
cu M	1.308	cu yds	Ins mercury	0.03453	lbs/sq ft	Lbs of w/Min	2.679x10 ⁻⁴	cu ft/sec
cu M	264.2	gals	Ins mercury	70.73	lbs/sq in	Pounds/Cu ft	5.787x10 ⁻⁴	lbs/cu in
cu M	10 ³	liters	Ins mercury	0.4912	atms	Pounds/Cu in	1728	lbs/cu ft
cu M	2113	pints (lik)	Ins of Water	0.002458	Ins mercury	Pounds/Sq in	0.06804	atms
cu M	1057	quarts (lik)	Ins of w	0.07355	kg-sq cm	lbs/sq in	2.307	ft water
Cu Yards	7.646x10 ⁵	cu cms	Ins of w	0.002540	ozs/sq in	lbs/sq in	2.036	in mercury
cu yds	27	cu ft	Ins of w	0.5781	lbs/sq ft	lbs/sq in	0.07031	kgs/sq cm
cu yds	46.656	cu ins	Ins of w	5.202	lbs/sq in	Radians	57.29578	degrees
cu yds	0.7646	cu meters	Kilograms	980.665	dynes	Tons (Long)	1016	kgs
cu yds	202.0	gals	kgs	2.205	lbs	tons (long)	2240	lbs
cu yds	764.6	liters	kgs	1.102x10 ⁻³	tons (short)	tons (long)	1.12000	tons(short)
cu yds	1616	pints (lik)	kgs	10 ³	grams	Tons (Short)	2000	lbs
cu yds	807.9	quarts (lik)	Kgs/Sq Cm	0.9678	atms	tons (short)	32000	ozs
Decimeters	0.1	meters	kg-sq cm	32.81	ft water	tons (short)	907.18486	kgs
Degs (Angle)	60	minutes	kg-sq cm	28.96	Ins mercury	tons (short)	2430.56	lbs(troy)
deg (angle)	0.01745	radians	kg-sq cm	2048	lbs/sq ft	tons (short)	0.89287	tons(long)
deg (angle)	3600	secs	kg-sq cm	14.22	lbs/sq in	tons (short)	29166.66	ozs(troy)
Degrees/Sec	0.01745	radians/sec	kg-sq cm	10 ³	liters	tons (short)	0.90718	tons(metric)
deg/sec	0.1667	revs/min	Kiloliters	10 ⁵	cms	Watts	0.05692	BTUs/min
deg/sec	0.002778	revs/sec	Kilometers	3281	ft	watts	44.26	ft-lbs/min
Fathoms	6	ft	kms	10 ³	meters	watts	0.7376	ft-lbs/sec
Feet	30.48	cms	kms	0.6214	miles	watts	1.341x10 ⁻³	hp
ft	12	ins	Kms/Hr	27.78	cms/sec	watts	0.1434	kg-calories/mln
ft	0.3048	meters	kms/hr	54.68	ft/min	watts	10 ⁻³	BTUs
ft	1/3	yds	kms/hr	0.9113	ft/sec	Watt/Hours	3.415	ft-lbs
Ft of Water	0.02950	atms	kms/hr	16.67	meters/min	watt-hrs	2655	hp-hrs
ft of w	0.8826	Ins mercury	kms/hr	0.6214	miles/hr	watt-hrs	1.341x10 ⁻³	kg-calories
ft of w	0.03048	kgs/sq cm	Krns/Hr/Sec	27.78	cms/sec/sec	watt-hrs	0.8605	kg-meters
ft of w	62.43	lbs/sq ft	kms/hr/sec	0.9113	ft/sec/sec	watt-hrs	367.1	kw-hrs
ft of w	0.4335	lbs/sq in	kms/hr/sec	0.2778	Ms/sec/sec	watt-hrs	10 ⁻³	