

PRODUCT APPLICATION GUIDE

A technical bulletin for engineers, contractors and students in the air movement and control industry.

General Conversion Table

This table provides a handy reference for the most commonly used conversions.

Multiply	By	To Obtain	Multiply	By	To Obtain
Acres	43,560	Sq. Ft.	Cubic Feet	1,728	Cubic Inches
Acres	4,047	Sq. Meters	Cubic Feet	0.02832	Cubic Meters
Acres	1.562x10 ⁻³	Sq. Miles	Cubic Feet	0.03704	Cubic Yards
Acres	4,840	Sq. Yards	Cubic Feet	7.481	Gallons
Atmospheres	29.92	Inches of Mercury	Cubic Feet	28.32	Liters
Atmospheres	14.7	Pounds/Sq. Inch	Cubic Feet	59.84	Pints (Liq.)
Barrels (British, Dry)	5.78	Cubic Feet	Cubic Feet	29.92	Quarts (Liq.)
Barrels (British, Dry)	0.1637	Cubic Meters	Cu. Ft. of Water (60°F)	62.37	Pounds
Barrels (British, Dry)	36	Gallons (British)	Cubic Feet/Minute	0.1247	Gallons/Sec.
Barrels, Oil	42	Gallons (U.S.)	Cubic Feet/Minute	0.472	Liters/Second
Barrels (U.S., Liquid)	4.211	Cubic Feet	Cubic Feet/Minute	62.4	Lbs. of Water/Min.
Barrels (U.S., Liquid)	0.1192	Cubic Meters	Cubic Inches	16.39	Cubic Centimeters
Barrels (U.S., Liquid)	31.5	Gallons (U.S.)	Cubic Meters	35.31	Cubic Feet
Board-Feet	144 Sq. In. x 1 In.	Cubic Inches	Cubic Yards	27	Cubic Feet
British Thermal Units	0.252	Kilogram-Calories	Cubic Yards	46,656	Cubic Inches
British Thermal Units	777.5	Foot-Pounds	Cubic Yards	0.7646	Cubic Meters
Btu/Min.	12.96	Foot-Pounds/Sec.	Cubic Yards/Minute	0.45	Cubic Feet/Second
Btu/Min.	0.02356	Horsepower	Days	1,440	Minutes
Btu/Min.	0.01757	Kilowatts	Days	86,400	Seconds
Btu/Min.	17.57	Watts	Drams	1.772	Grams
Bushels	1.244	Cubic Feet	Drams	0.0625	Ounces
Bushels	2,150	Cubic Inches	Fathoms	6	Feet
Bushels	0.03524	Cubic Meters	Feet	30.48	Centimeters
Bushels	4	Pecks	Feet	12	Inches
Bushels	64	Pints (Dry)	Feet	0.3048	Meters
Bushels	32	Quarts (Dry)	Feet	1/3	Yards
Centigrams	0.01	Grams	Feet of Water	62.43	Pounds/Sq. Ft.
Centiliters	0.01	Liters	Feet/Minute	0.508	Centimeters/Sec.
Centimeters	0.0328083	Feet (U.S.)	Feet/Minute	0.01136	Miles/Hour
Centimeters	0.3937	Inches	Feet/Second	0.6818	Miles/Hour
Centimeters	0.01	Meters	Feet/Second	0.01136	Miles/Minute
Centimeters	393.7	Mils.	Gallons (U.S.)	128	Ounces (U.S. fluid)
Centimeters	10	Millimeters	Gallons	3,785	Cubic Centimeters
Cords	8'x4'x4'	Cubic Feet	Gallons	0.1337	Cubic Feet

Greenheck Product Application Guide

Multiply	By	To Obtain	Multiply	By	To Obtain
Gallons	231	Cubic Inches	Months	730	Hours
Gallons	3.785×10^{-3}	Cubic Meters	Months	43,800	Minutes
Gallons	4.951×10^{-3}	Cubic Yards	Ounces	16	Drams
Gallons	3.785	Liters	Ounces	437.5	Grains
Gallons	8	Pints (Liq.)	Ounces	28.35	Grams
Gallons	4	Quarts (Liq.)	Ounces	0.0625	Pounds
Gallons/Minute	2.228×10^{-3}	Cubic Feet/Second	Ounces (Fluid)	1.805	Cubic Inches
Grams	0.03527	Ounces	Ounces (Fluid)	0.02957	Liters
Grams	2.205×10^{-3}	Pounds	Pints (Dry)	33.6	Cubic Inches
Horsepower	33,000	Foot-Pounds/Min.	Pints (Liq.)	28.87	Cubic Inches
Horsepower	0.7457	Kilowatts	Pints (U.S. liquid)	16	Ounces (US fluid)
Horsepower	745.7	Watts	Pounds	7,000	Grains
Hours	60	Minutes	Pounds	453.6	Grams
Hours	3,600	Seconds	Pounds	16	Ounces
Inches	2.54	Centimeters	Pounds of Water	0.01602	Cubic Feet
Inches of Water	0.002458	Atmospheres	Pounds of Water	27.68	Cubic Inches
Inches of Water	0.07355	Inches of Mercury	Pounds of Water	0.1198	Gallons
Inches of Water	5.204	Pounds/Sq. Ft.	Pounds/Cubic Inch	1,728	Pounds/Cubic Foot
Inches of Water	0.03613	Pounds/Sq. In.	Quarts (Dry)	67.2	Cubic Inches
Kilograms	2.2046	Pounds	Quarts (Liq.)	57.75	Cubic Inches
Kilometers	3,281	Feet	Quarts (U.S. liquid)	0.03342	Cubic Feet
Kilometers	1,093.60	Yards	Quarts (U.S. liquid)	32	Ounces (US fluid)
Kilowatts	1.341	Horsepower	Quarts (U.S. liquid)	0.832674	Quarts (British)
Kilowatts	10^3	Watts	Revolutions	360	Degrees
Kilowatt-Hours	3,415	British Thermal Units	Revolutions	4	Quadrants
Liters	0.03531	Cubic Feet	Square Centimeters	0.155	Square Inches
Liters	61.02	Cubic Inches	Square Centimeters	100	Square Millimeters
Liters	0.2642	Gallons	Square Feet	144	Square Inches
Liters	2.113	Pints (Liq.)	Square Feet	0.0929	Square Meters
Liters	1.057	Quarts (Liq.)	Square Feet	1/9	Square Yards
Meters	100	Centimeters	Square Yards	9	Square Feet
Meters	3.2808	Feet	Square Yards	0.8361	Square Meters
Meters	39.37	Inches	Temp. (Degs. C.)+17.8	1.8	Temp. (Degs. Fahr.)
Meters	1.0936	Yards	Temp. (Degs. F.)-32	5/9	Temp. (Degs. Cent.)
Miles	5,280	Feet	Tons	907.2	Kilograms
Miles	1.6093	Kilometers	Tons (short)	2,000	Pounds
Miles	1,760	Yards	Watts	1.341×10^{-3}	Horsepower
Miles/Hour	44.7	Centimeters/Sec.	Watts	10^{-3}	Kilowatts
Miles/Hour	88	Feet/Minute	Weeks	168	Hours
Miles/Hour	1.467	Feet/Second	Weeks	10,080	Minutes
Miles/Hour	1.6093	Kilometers/Hour	Yards	91.44	Centimeters
Miles/Hour	26.82	Meters/Minute	Yards	3	Feet
Millimeters	0.1	Centimeters	Yards	36	Inches
Millimeters	0.03937	Inches	Yards	0.9144	Meters
Millimeters	39.37	Mils	Years (Common)	365	Days
Months	30.42	Days	Years (Common)	8,760	Hours