

To Convert	Into	Multiply by	To Convert	Into	Multiply by
CFM	L/second	.472	L/second	CFM	2.118
CFM	M ³ hr	1.698	M ³ hr	CFM	.588
FPM	M/Sec	.00508	M/Sec	FPM	196.85
BTU/HR	Watts	.2932	Watts	BTU/HR	3.41
BTU/HR	MJ	.001055	MJ	BTU/HR	947.867
lbs	Kg	.4536	Kg	lbs	2.2046
Gallons	Litres	4.546	Litres	Gallons	.22
HP	kW	.7457	kW	HP	1.341
Inches	MM	25.4	MM	Inches	.0394
Feet	Meters	.3048	Meters	Feet	3.28
Ft ²	M ²	.0929	M ²	Ft ²	10.76
Ft ³	M ³	.0283	M ³	Ft ³	35.55
P.S.I	kPa	6.895	kPa	P.S.I	.145
Inch of H2 ⁰	Pa	250	Pa	Ins of H2 ⁰	.004

USEFUL FORMULA

GTH = 1.19 x L/S x Δh
 TSH = 1.2 x L/S x Δt
 TLH = 3.0 x L/S x Δw

GTH = Grand Total Heat

TSH = Total Sensible Heat

TLH = Total Latent Heat

$D_h = h_{ea} - h_{la}$

h_{ea} entering air enthalpy (kj/kg)

h_{la} leaving air enthalpy (kj/kg)

$D_t = t_{ea} - t_{la}$

t_{ea} entering air - dry bulb (°C)

t_{la} leaving air - dry bulb (°C)

$D_w = w_{ea} - w_{la}$

w_{ea} entering air moisture content (g/kg)

w_{la} leaving air moisture content (g/kg)

One ton of refrigeration = 1200BTUs/Hr or 3.517 kW/hr

Fahrenheit to Celsius °C = .55 (°F-32)

Celsius to Fahrenheit °F = 1.8 x °C+32