

Total Heat Calculation

Volts x Amps x 3.413 = BTU Output

$$\frac{\text{Output BTU}}{\text{TD X 1.08}} = \text{CFM}$$

CFM x HD x 4.5 = Total Heat

Example:

3 ton Heat pump system in EM Heat mode

Blower on High speed

Volts 237

Amps 67.5

Volts _____ x Amps _____ x 3.413 = BTU Out _____

$$\frac{\text{Output BTU}}{\text{TD X 1.08}} = \text{CFM}$$

Temp Diff SA 113 - RA 70 = 43

CFM _____

RA WB 61 Enthalpy _____

SA WB 50 Enthalpy _____

RA Enthalpy - SA Enthalpy = HD _____

CFM _____ x HD _____ x 4.5 = Total Heat

Total Heat Removed _____

Total Heat Chart

W.B.	Enthalpy	W.B.	Enthalpy
40	15.23	60	26.46
41	15.70	61	27.15
42	16.17	62	27.85
43	16.66	63	28.57
44	17.15	64	29.31
45	17.65	65	30.06
46	18.16	66	30.83
47	18.68	67	31.62
48	19.21	68	32.42
49	19.75	69	33.25
50	20.30	70	34.09
51	20.86	71	34.95
52	21.44	72	35.83
53	22.02	73	36.74
54	22.62	74	38.61
56	23.84	76	39.57
57	24.48	77	40.57
58	25.12	78	41.58
59	25.80	79	42.62