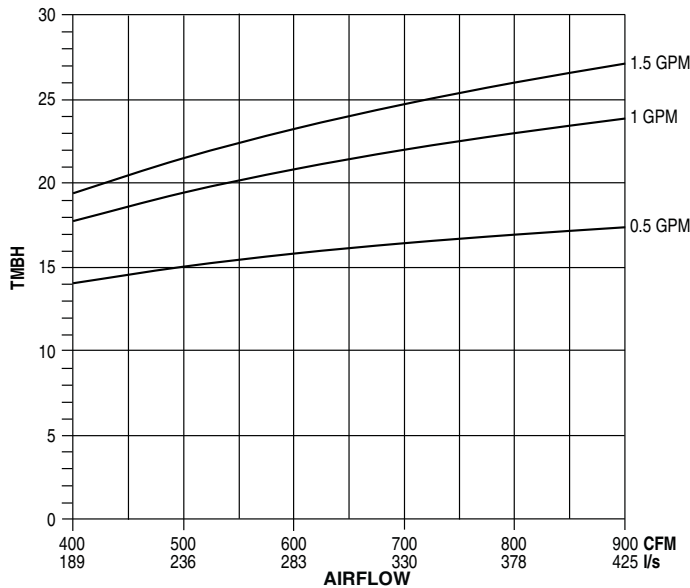


Model Series 35FH • Hot Water Coil Performance Data

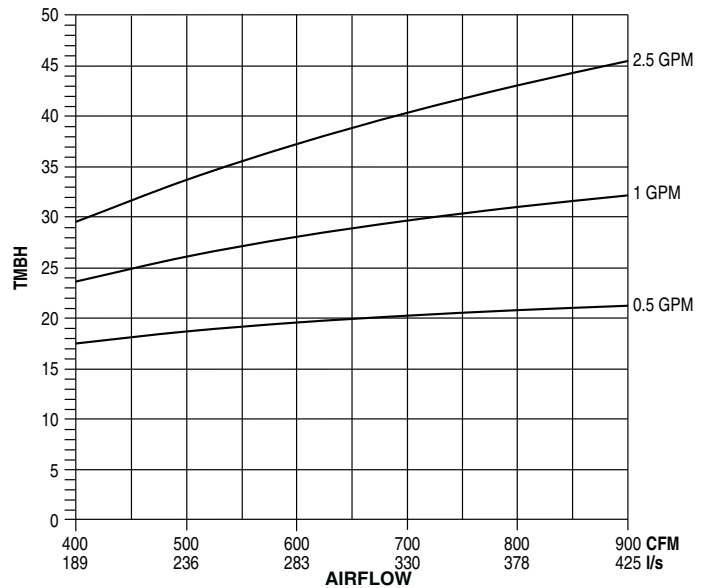
Unit Sizes 4 – 8

Data Based on 70°F DB Entering Air & 180°F Entering Water

1 Row (Total MBH)

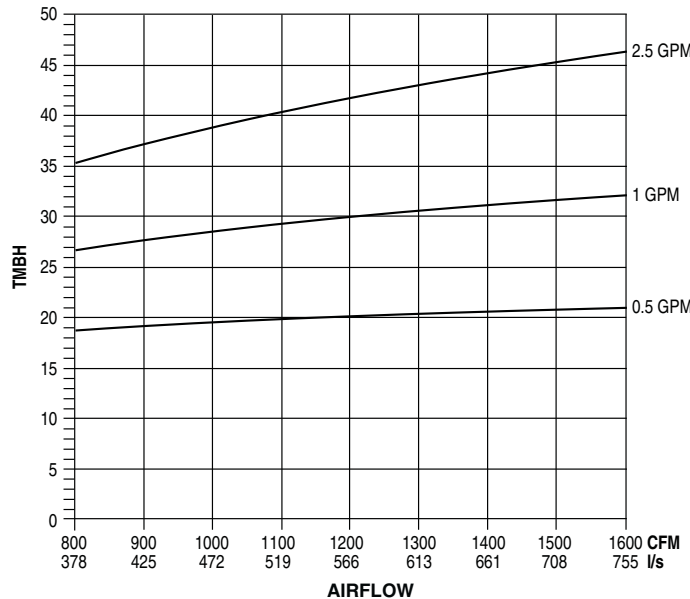


2 Row (Total MBH)

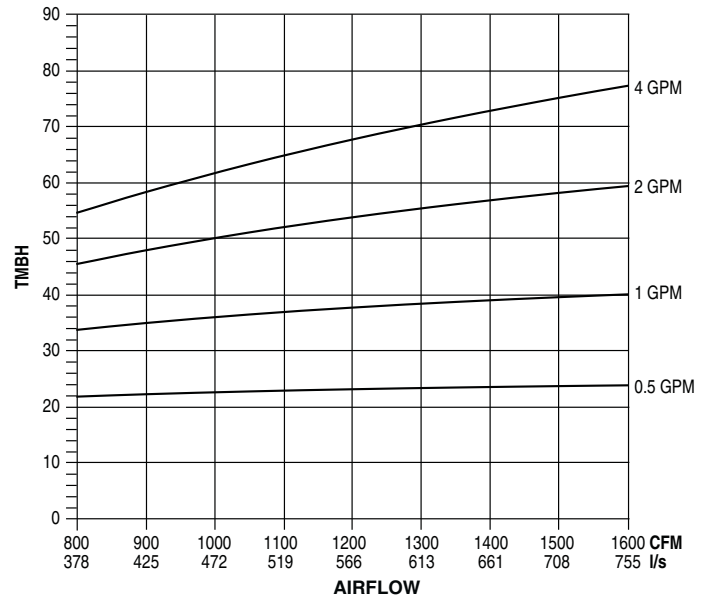


Unit Sizes 10 – 16

1 Row (Total MBH)



2 Row (Total MBH)



NOTES:

- Capacities are in MBH (kW), *thousands of Btu per hour (kiloWatts)*.
- MBH (kW) values are based on a Δt (temperature difference) of 110°F (61°C) between entering air and entering water. For other Δt's; multiply the MBH (kW) values by the factors below.

- Air Temperature Rise.

$$\text{ATR (°F)} = 927 \times \frac{\text{MBH}}{\text{CFM}}, \text{ATR (°C)} = 829 \times \frac{\text{kW}}{\text{l/s}}$$

- Water Temp. Drop.

$$\text{WTD (°F)} = 2.04 \times \frac{\text{MBH}}{\text{GPM}}, \text{WTD (°C)} = .224 \times \frac{\text{kW}}{\text{l/s}}$$

- Connections: One and two row 5/8" (15.9) O.D. male solder.

Altitude Correction Factors:

| Altitude ft. (m) | Sensible Heat Factor |
|------------------|----------------------|
| 0 (0) | 1.00 |
| 2000 (610) | 0.94 |
| 3000 (914) | 0.90 |
| 4000 (1219) | 0.87 |
| 5000 (1524) | 0.84 |
| 6000 (1829) | 0.81 |
| 7000 (2134) | 0.78 |

Correction factors at other entering conditions:

| Δt °F (°C) | 50 (28) | 60 (33) | 70 (39) | 80 (44) | 90 (50) | 100 (56) | 110 (61) | 120 (67) | 130 (72) | 140 (78) | 150 (83) |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Factor | .455 (.459) | .545 (.541) | .636 (.639) | .727 (.721) | .818 (.820) | .909 (.918) | 1.00 (1.00) | 1.09 (1.10) | 1.18 (1.18) | 1.27 (1.28) | 1.36 (1.36) |