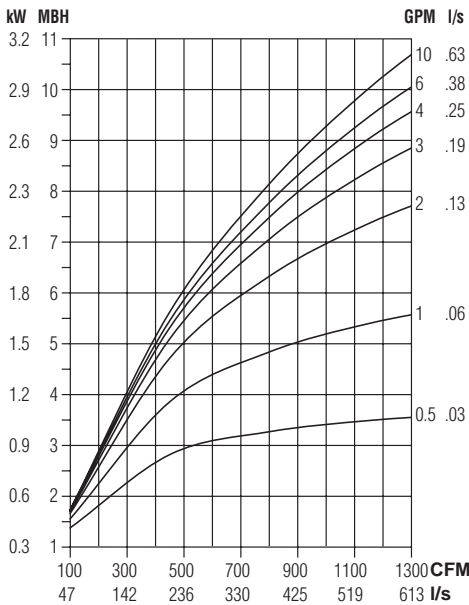


Performance Data • Sensible Chilled Water Coil

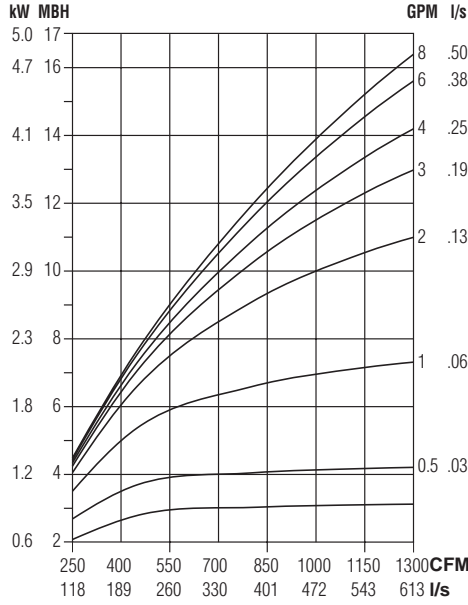
Models: 33SZ, 33SZE, 33SZW • FPCWTU (DOAS) • Series Flow

Unit Size 30

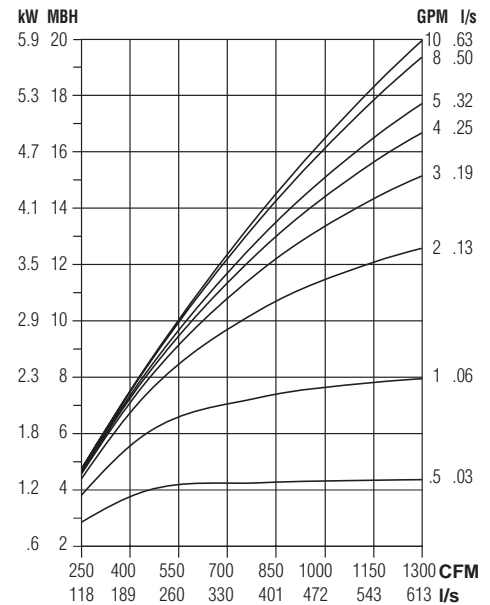
2 Row (multi-circuit)



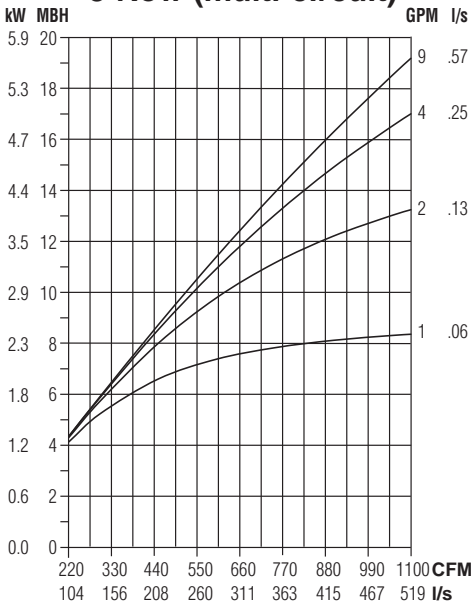
4 Row (multi-circuit)



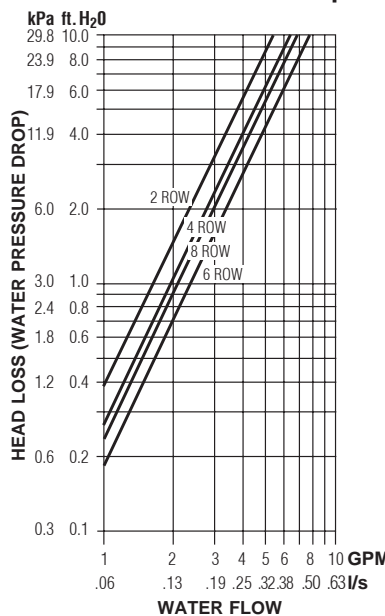
6 Row (multi-circuit)



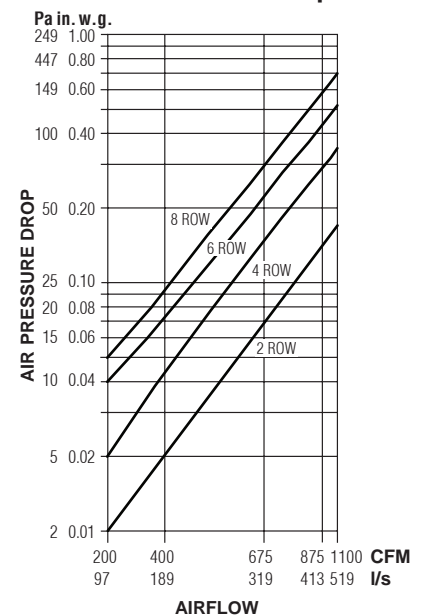
8 Row (multi-circuit)



Water Pressure Drop



Air Pressure Drop



NOTES:

- Capacities are in MBH (kW), **thousands of Btu per hour (kiloWatts)**.
- MBH (kW) values are based on:
57°F (32°C) Entering Water Temperature (EWT) and 75°F (42°C) Entering Air

Temperature (EAT). Entering water temperature must be above return air dew point to prevent condensation.

- Air Temperature Rise.

$$ATR (°F) = 927 \times \frac{MBH}{cfm}, \quad ATR (°C) = 829 \times \frac{kW}{I/s}$$

- Water Temp. Drop.

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

- Connections: 2, 4, 6 & 8 Row: 7/8" (22) O.D. male solder.

Altitude Correction Factors:

Attitude (ft.)	0	1000	2000	3000	4000	5000	6000	7000
Air Density (lb./cu.ft.)	0.075	0.072	0.070	0.067	0.065	0.063	0.060	0.058
Sensible Capacity	1000	0.960	0.930	0.900	0.860	0.830	0.800	0.700

