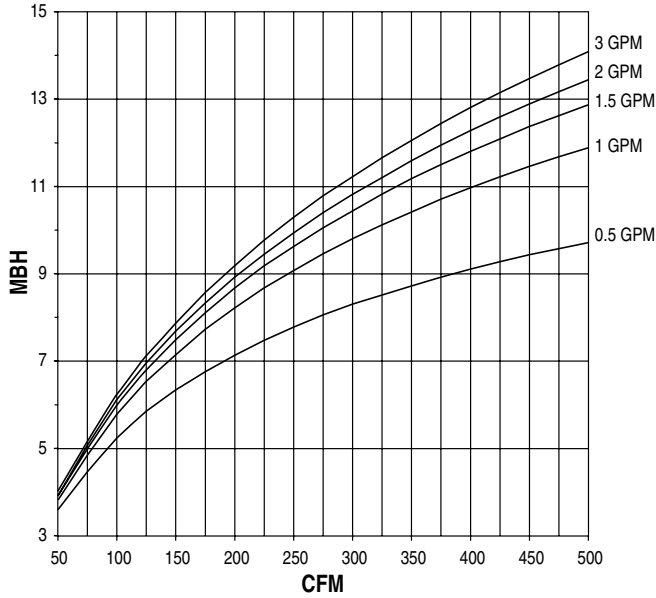


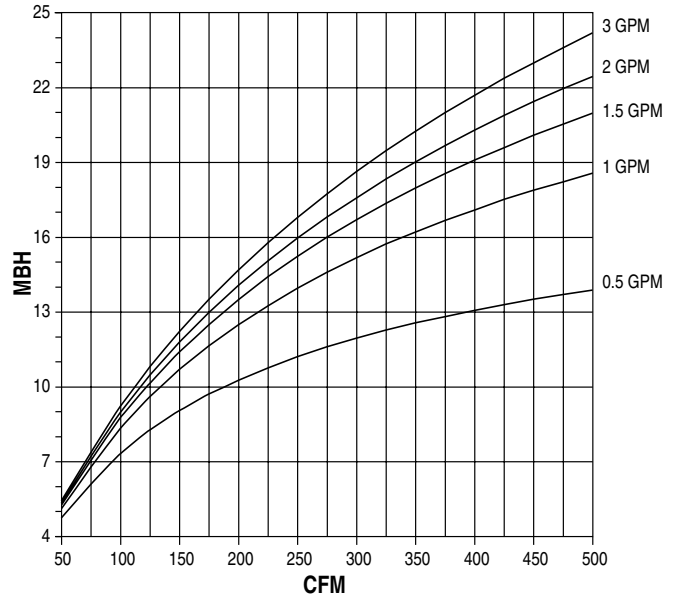
## Performance Data • Hot Water Coil • Mbh Capacities Model 30RW

### Unit Size 4, 5 and 6

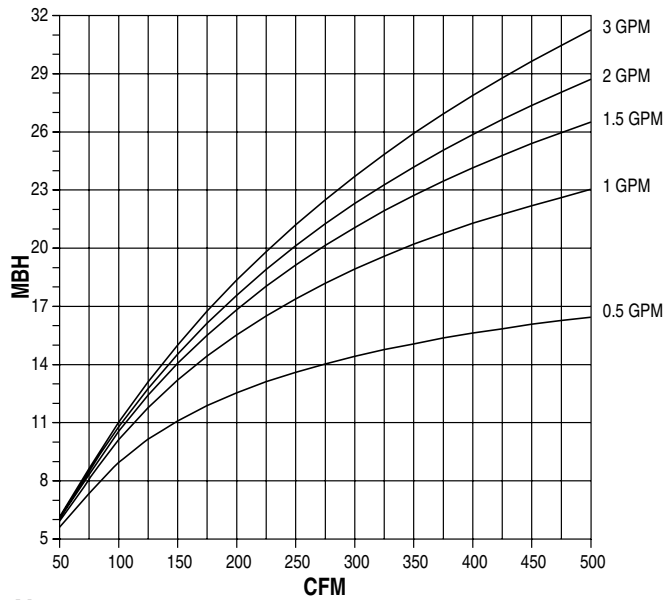
#### 1 Row (single circuit)



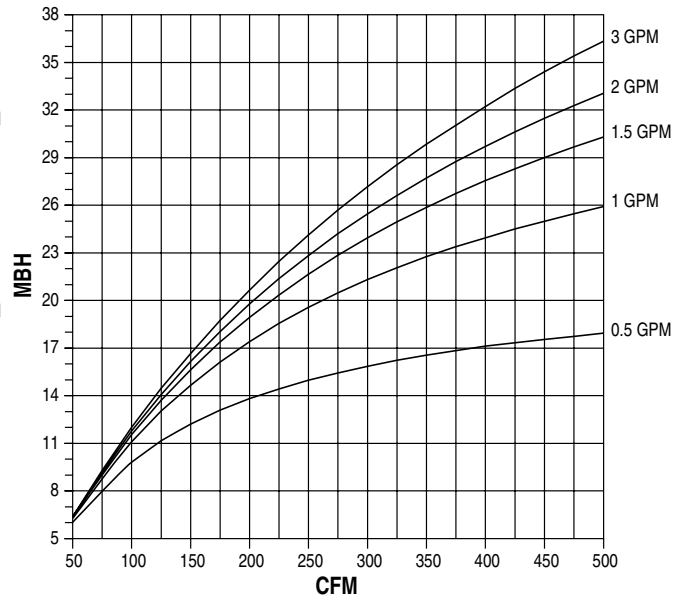
#### 2 Row (multi-circuit)



#### 3 Row (multi-circuit)



#### 4 Row (multi-circuit)



#### Notes:

1. Capacities are in Mbh (thousands of Btu per hour).

2. Mbh values are based on a  $\Delta t$  (temperature difference) of 125°F between entering air and entering water. For other  $\Delta t$ 's; multiply the Mbh values by the factors below.

3. Air Temperature Rise.  $ATR = 927 \times \frac{Mbh}{cfm}$

4. Water Temp. Drop.  $WTD = 2.04 \times \frac{Mbh}{GPM}$

5. Connections: 1 Row 1/2" (13), 2, 3 and 4 row 7/8" (22); O.D. male solder.

#### Correction factors at other entering conditions:

$\Delta t$ °F	40	50	60	70	80	90	100	110	125	140	160	180
FACTOR	0.32	0.40	0.48	0.56	0.64	0.72	0.80	0.88	1.00	1.12	1.28	1.44

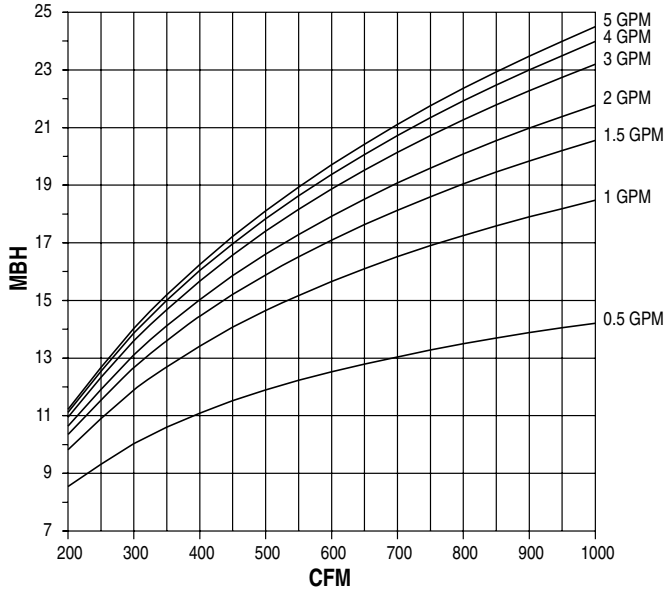
#### Altitude Correction Factors:

Altitude (ft.)	Sensible Heat Factor
0	1.00
2000	0.94
3000	0.90
4000	0.87
5000	0.84
6000	0.81
7000	0.78

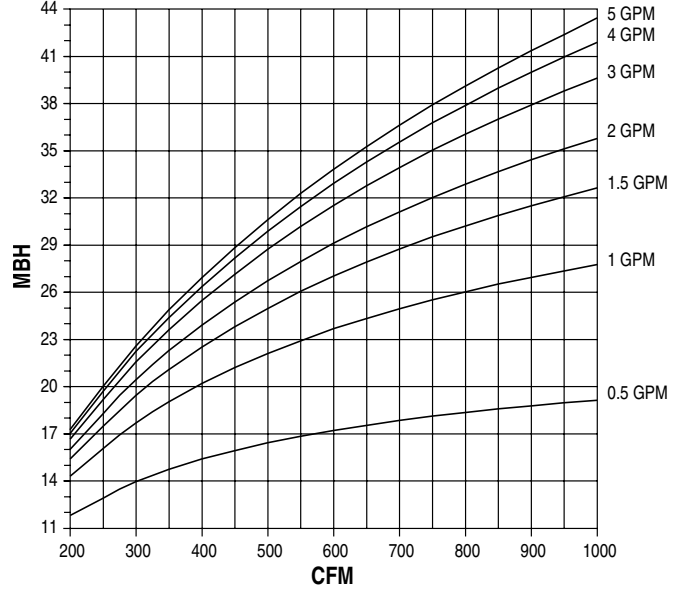
## Performance Data • Hot Water Coil • Mbh Capacities Model 30RW

### Unit Size 7 and 8

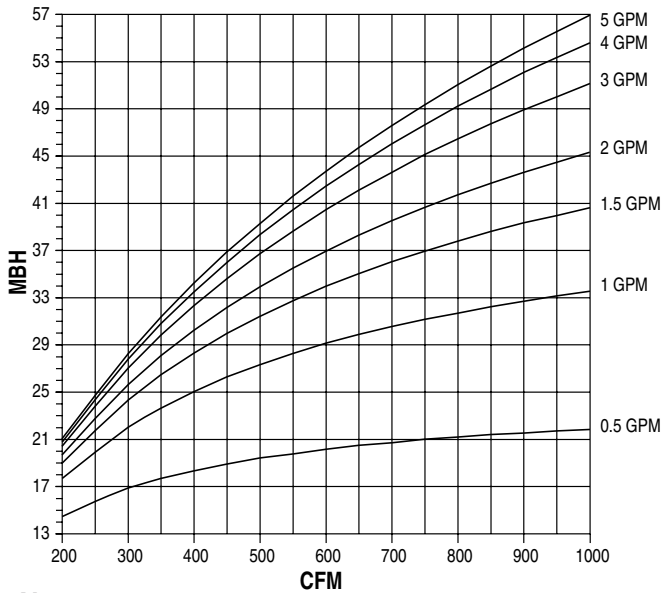
#### 1 Row (single circuit)



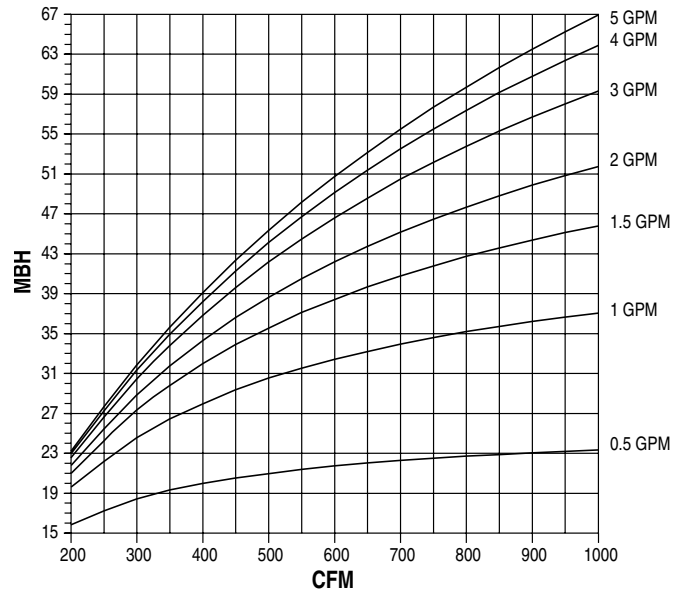
#### 2 Row (multi-circuit)



#### 3 Row (multi-circuit)



#### 4 Row (multi-circuit)



#### Notes:

- Capacities are in Mbh (thousands of Btu per hour).
- Mbh values are based on a  $\Delta t$  (temperature difference) of 125°F between entering air and entering water. For other  $\Delta t$ 's; multiply the Mbh values by the factors below.
- Air Temperature Rise.  $ATR = 927 \times \frac{Mbh}{cfm}$
- Water Temp. Drop.  $WTD = 2.04 \times \frac{Mbh}{GPM}$
- Connections: 1 Row 1/2" (13), 2, 3 and 4 row 7/8" (22); O.D. male solder.

#### Correction factors at other entering conditions:

$\Delta t$ °F	40	50	60	70	80	90	100	110	125	140	160	180
FACTOR	0.32	0.40	0.48	0.56	0.64	0.72	0.80	0.88	1.00	1.12	1.28	1.44

#### Altitude Correction Factors:

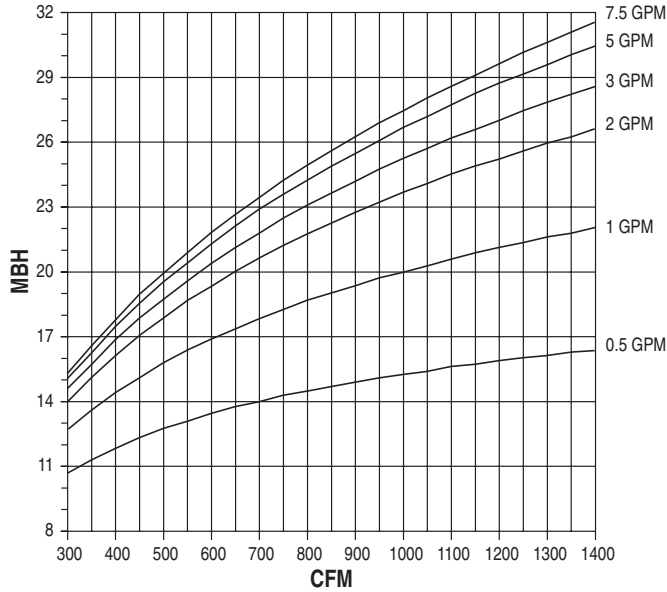
Altitude (ft.)	Sensible Heat Factor
0	1.00
2000	0.94
3000	0.90
4000	0.87
5000	0.84
6000	0.81
7000	0.78

## Performance Data • Hot Water Coil • Mbh Capacities

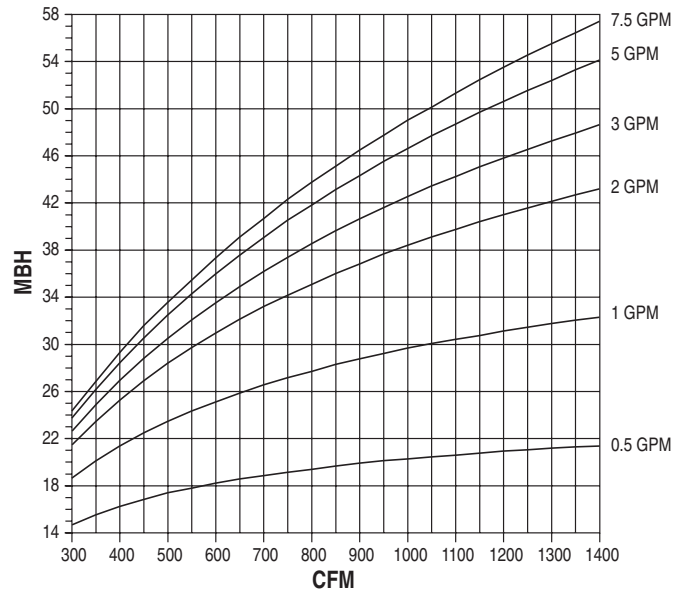
Model 30RW

### Unit Size 9 and 10

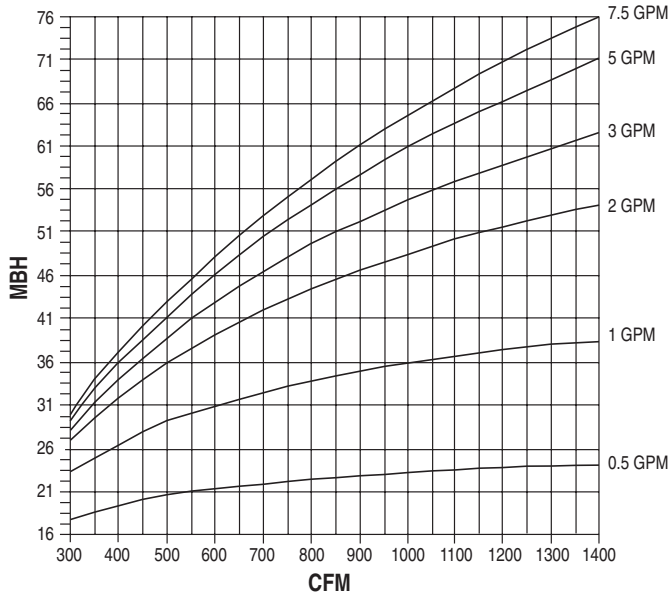
1 Row (single circuit)



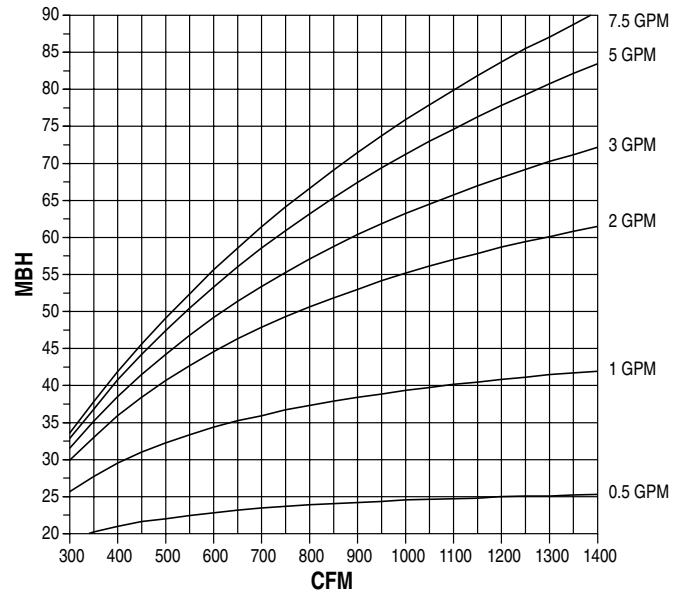
2 Row (multi-circuit)



3 Row (multi-circuit)



4 Row (multi-circuit)



**Notes:**

- Capacities are in Mbh (thousands of Btu per hour).
- Mbh values are based on a  $\Delta t$  (temperature difference) of 125°F between entering air and entering water. For other  $\Delta t$ 's; multiply the Mbh values by the factors below.
- Air Temperature Rise.  $ATR = 927 \times \frac{Mbh}{cfm}$
- Water Temp. Drop.  $WTD = 2.04 \times \frac{Mbh}{GPM}$
- Connections: 1 Row 1/2" (13), 2, 3 and 4 row 7/8" (22); O.D. male solder.

**Correction factors at other entering conditions:**

$\Delta t$ °F	40	50	60	70	80	90	100	110	125	140	160	180
FACTOR	0.32	0.40	0.48	0.56	0.64	0.72	0.80	0.88	1.00	1.12	1.28	1.44

**Altitude Correction Factors:**

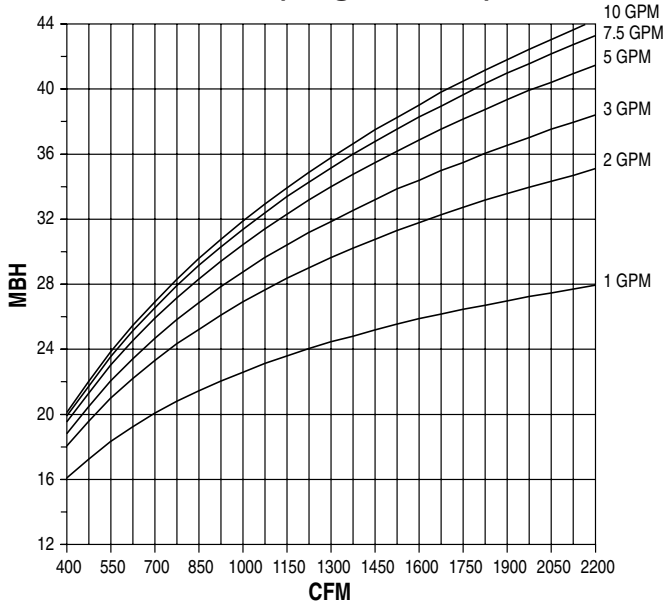
Altitude (ft.)	Sensible Heat Factor
0	1.00
2000	0.94
3000	0.90
4000	0.87
5000	0.84
6000	0.81
7000	0.78

## Performance Data • Hot Water Coil • Mbh Capacities

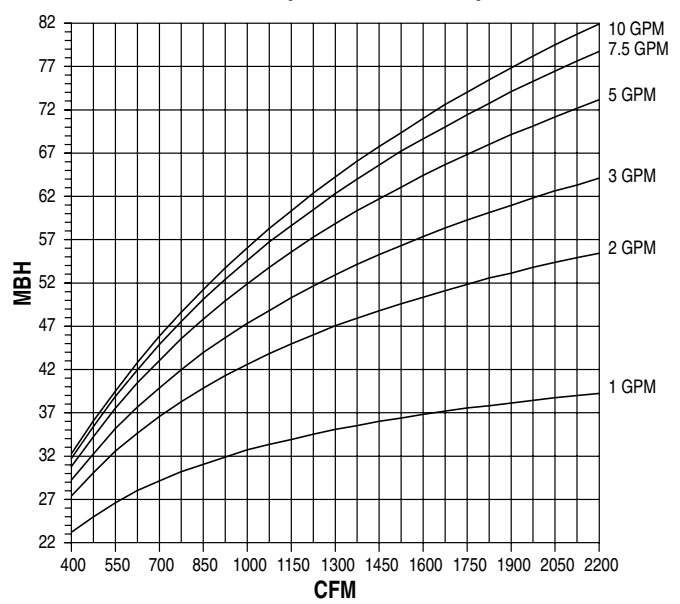
Model 30RW

### Unit Size 12

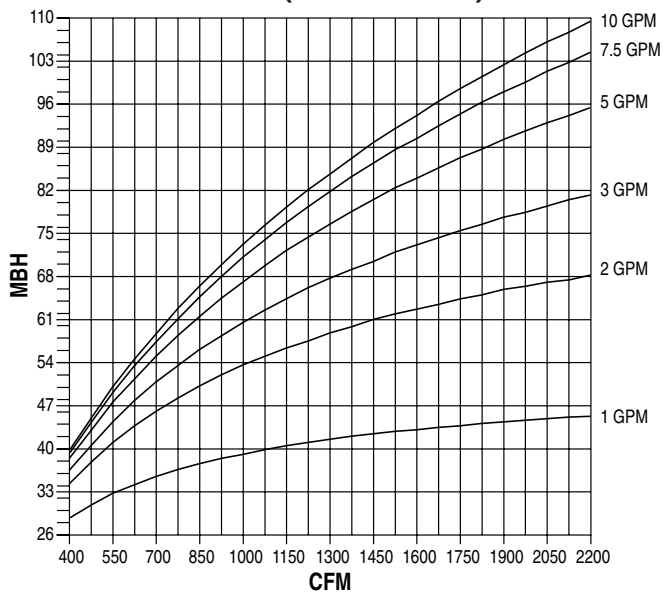
1 Row (single circuit)



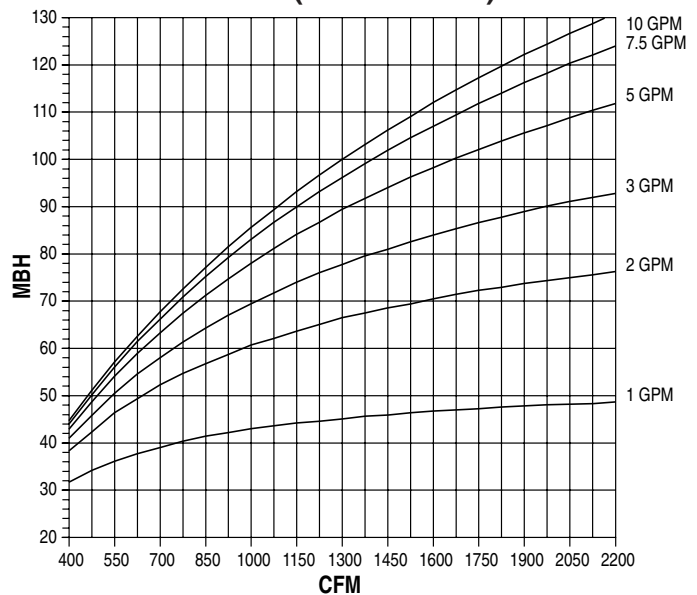
2 Row (multi-circuit)



3 Row (multi-circuit)



4 Row (multi-circuit)



**Notes:**

- Capacities are in Mbh (thousands of Btu per hour).
- Mbh values are based on a  $\Delta t$  (temperature difference) of 125°F between entering air and entering water. For other  $\Delta t$ 's; multiply the Mbh values by the factors below.
- Air Temperature Rise.  $ATR = 927 \times \frac{Mbh}{cfm}$
- Water Temp. Drop.  $WTD = 2.04 \times \frac{Mbh}{GPM}$
- Connections: 1 Row 1/2" (13), 2, 3 and 4 row 7/8" (22); O.D. male solder.

**Correction factors at other entering conditions:**

$\Delta t$ °F	40	50	60	70	80	90	100	110	125	140	160	180
FACTOR	0.32	0.40	0.48	0.56	0.64	0.72	0.80	0.88	1.00	1.12	1.28	1.44

**Altitude Correction Factors:**

Altitude (ft.)	Sensible Heat Factor
0	1.00
2000	0.94
3000	0.90
4000	0.87
5000	0.84
6000	0.81
7000	0.78

**B**

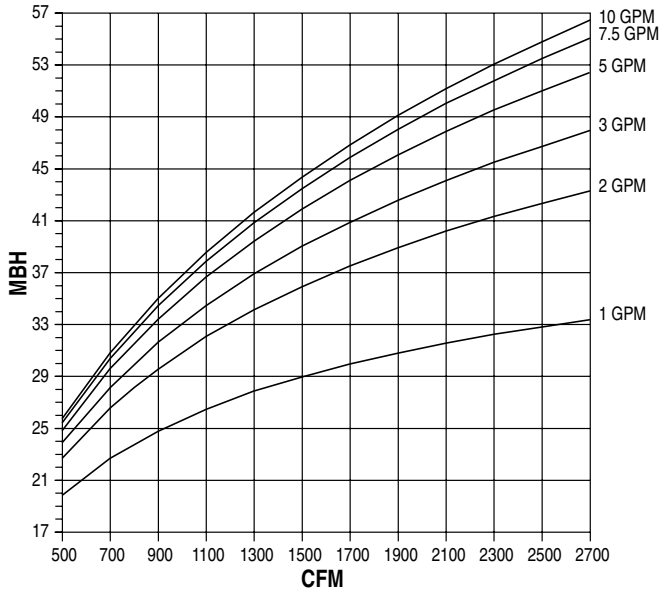
SINGLE DUCT TERMINAL UNITS

## Performance Data • Hot Water Coil • Mbh Capacities

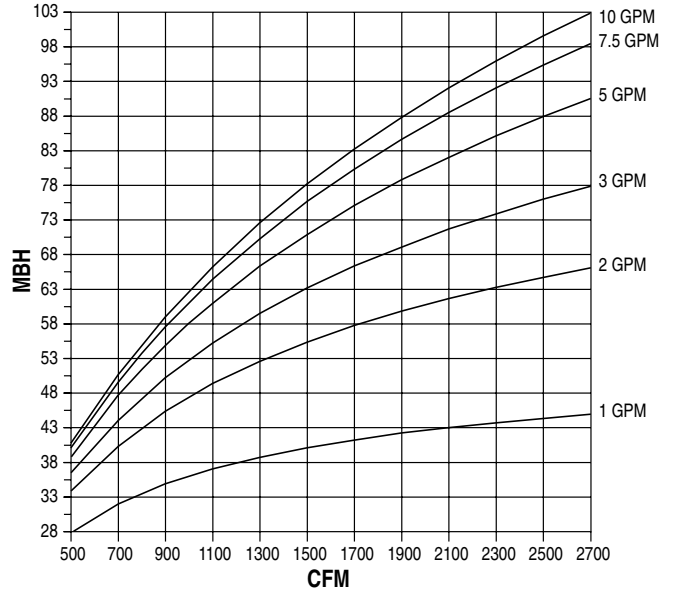
Model 30RW

### Unit Size 14

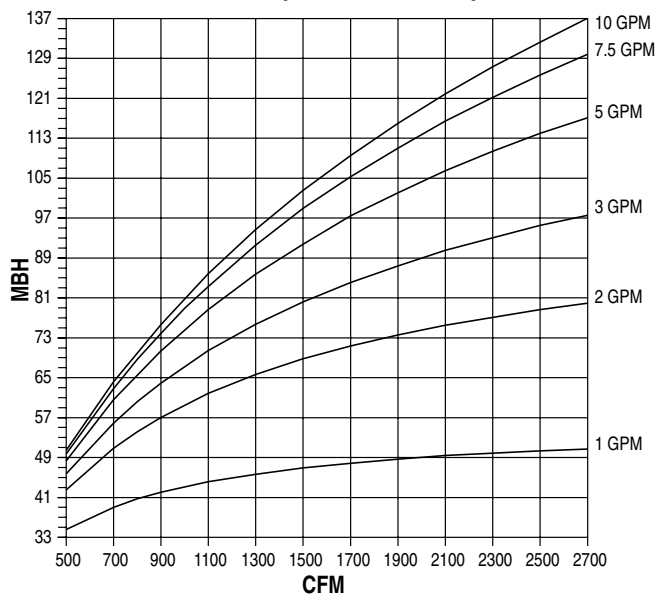
1 Row (single circuit)



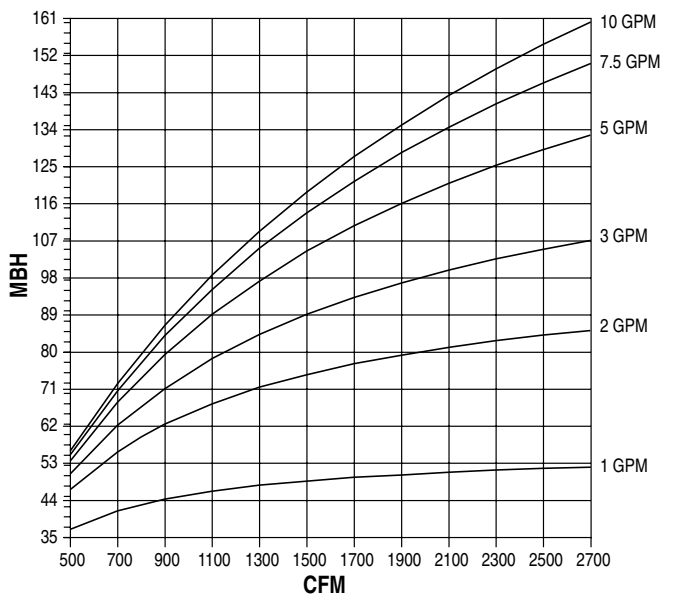
2 Row (multi-circuit)



3 Row (multi-circuit)



4 Row (multi-circuit)



**Notes:**

- Capacities are in Mbh (thousands of Btu per hour).
- Mbh values are based on a  $\Delta t$  (temperature difference) of 125°F between entering air and entering water. For other  $\Delta t$ 's; multiply the Mbh values by the factors below.
- Air Temperature Rise.  $ATR = 927 \times \frac{\text{Mbh}}{\text{cfm}}$
- Water Temp. Drop.  $WTD = 2.04 \times \frac{\text{Mbh}}{\text{GPM}}$
- Connections: 1 Row 1/2" (13), 2, 3 and 4 row 7/8" (22); O.D. male solder.

**Correction factors at other entering conditions:**

$\Delta t$ °F	40	50	60	70	80	90	100	110	125	140	160	180
FACTOR	0.32	0.40	0.48	0.56	0.64	0.72	0.80	0.88	1.00	1.12	1.28	1.44

**Altitude Correction Factors:**

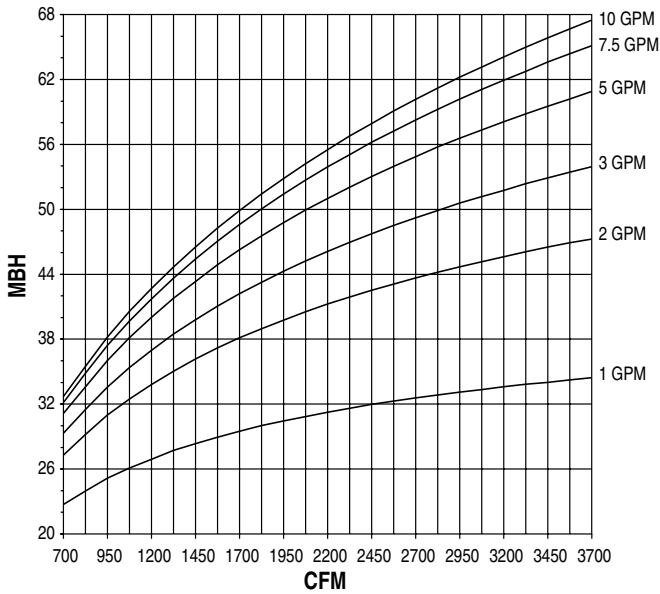
Altitude (ft.)	Sensible Heat Factor
0	1.00
2000	0.94
3000	0.90
4000	0.87
5000	0.84
6000	0.81
7000	0.78

## Performance Data • Hot Water Coil • Mbh Capacities

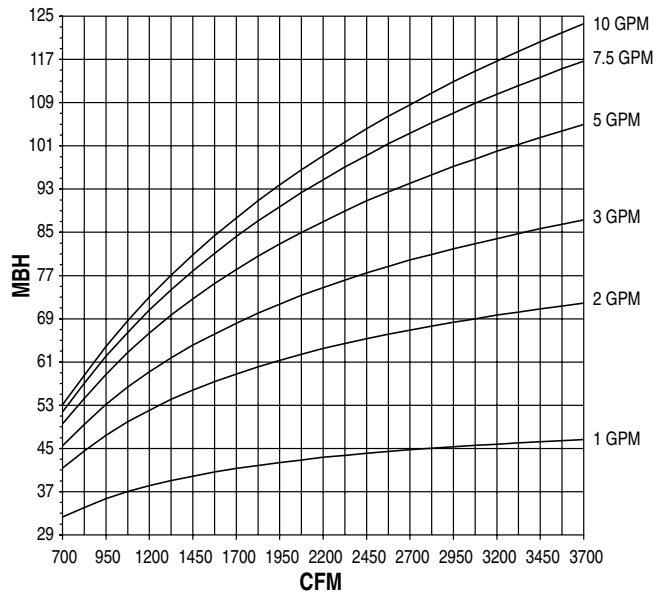
Model 30RW

Unit Size 16

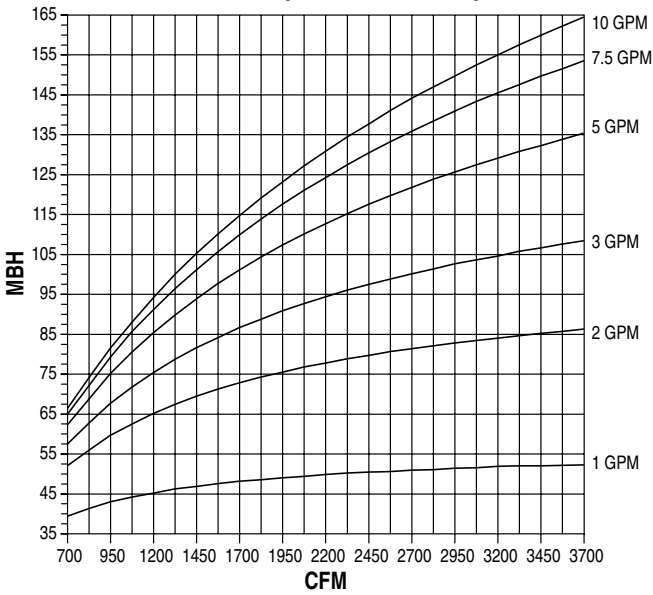
1 Row (single circuit)



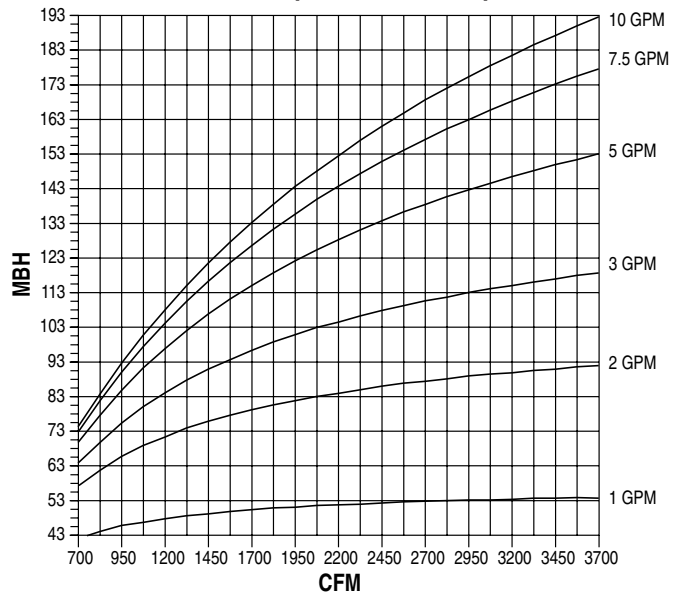
2 Row (multi-circuit)



3 Row (multi-circuit)



4 Row (multi-circuit)



**Notes:**

- Capacities are in Mbh (thousands of Btu per hour).
- Mbh values are based on a  $\Delta t$  (temperature difference) of 125°F between entering air and entering water. For other  $\Delta t$ 's; multiply the Mbh values by the factors below.
- Air Temperature Rise.  $ATR = \frac{927 \times \text{Mbh}}{\text{cfm}}$
- Water Temp. Drop.  $WTD = \frac{2.04 \times \text{Mbh}}{\text{GPM}}$
- Connections: 1, 2, 3 and 4 row 7/8" (22); O.D. male solder.

**Correction factors at other entering conditions:**

$\Delta t$ °F	40	50	60	70	80	90	100	110	125	140	160	180
FACTOR	0.32	0.40	0.48	0.56	0.64	0.72	0.80	0.88	1.00	1.12	1.28	1.44

**Altitude Correction Factors:**

Altitude (ft.)	Sensible Heat Factor
0	1.00
2000	0.94
3000	0.90
4000	0.87
5000	0.84
6000	0.81
7000	0.78

B

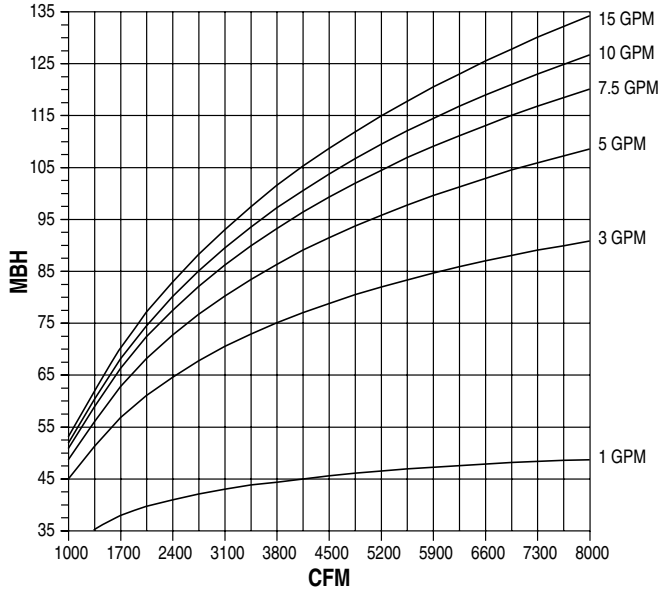
SINGLE DUCT TERMINAL UNITS

## Performance Data • Hot Water Coil • Mbh Capacities

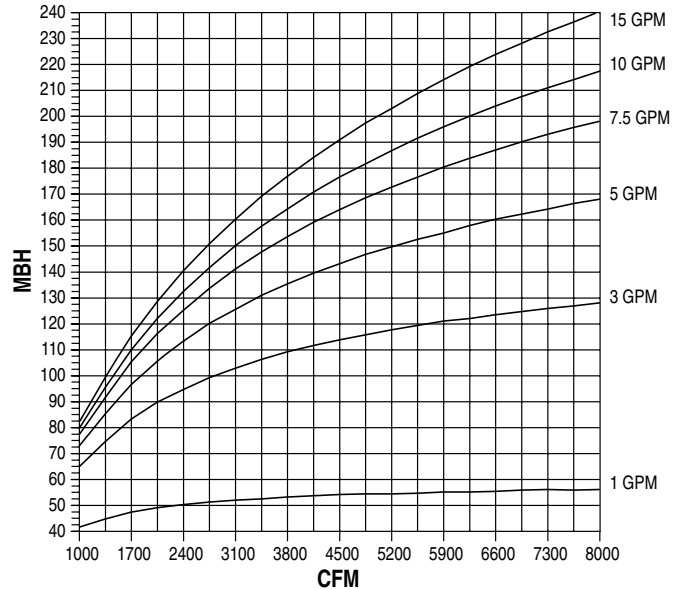
Model 30RW

Unit Size 24 x 16

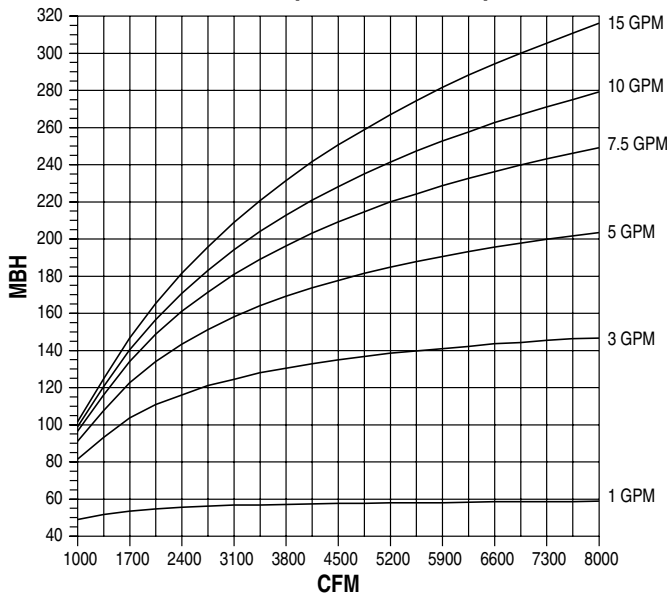
1 Row (single circuit)



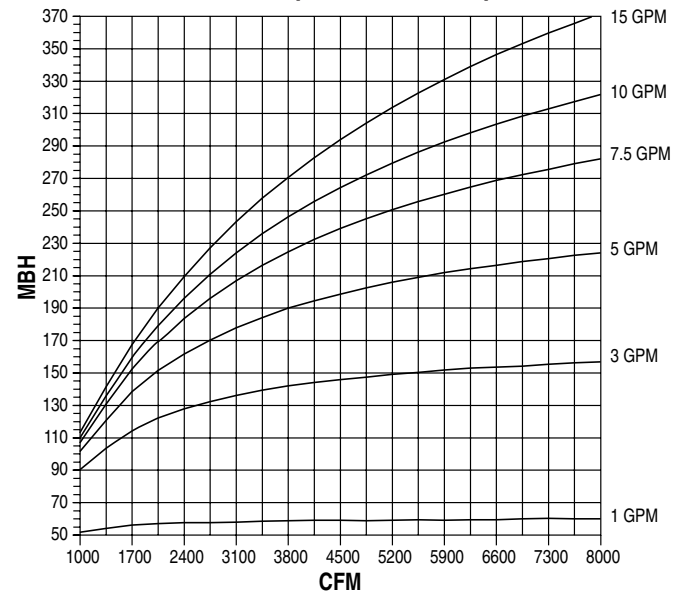
2 Row (multi-circuit)



3 Row (multi-circuit)



4 Row (multi-circuit)



**Notes:**

- Capacities are in Mbh (thousands of Btu per hour).
- Mbh values are based on a  $\Delta t$  (temperature difference) of 125°F between entering air and entering water. For other  $\Delta t$ 's; multiply the Mbh values by the factors below.
- Air Temperature Rise.  $ATR = \frac{927 \times \text{Mbh}}{\text{cfm}}$
- Water Temp. Drop.  $WTD = \frac{2.04 \times \text{Mbh}}{\text{GPM}}$
- Connections: 1 and 2 Row 7/8" (22), 3 and 4 row 1 3/8" (35); O.D. male solder.

**Correction factors at other entering conditions:**

$\Delta t$ °F	40	50	60	70	80	90	100	110	125	140	160	180
FACTOR	0.32	0.40	0.48	0.56	0.64	0.72	0.80	0.88	1.00	1.12	1.28	1.44

**Altitude Correction Factors:**

Altitude (ft.)	Sensible Heat Factor
0	1.00
2000	0.94
3000	0.90
4000	0.87
5000	0.84
6000	0.81
7000	0.78

B SINGLE DUCT TERMINAL UNITS

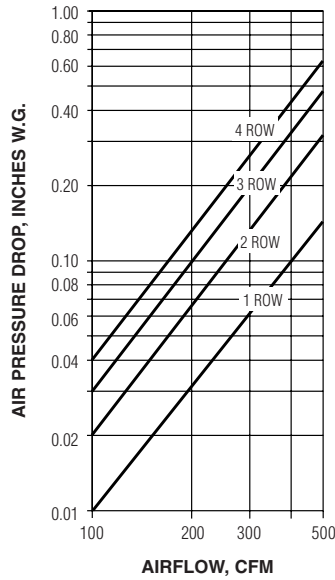
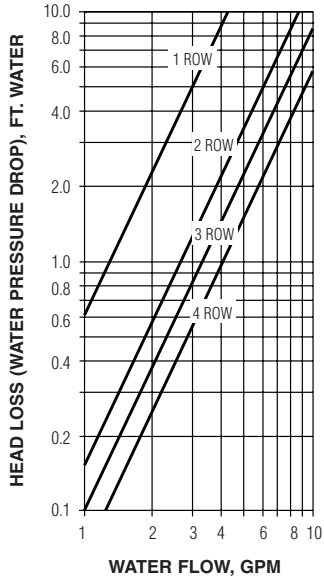
## Performance Data • Hot Water Coil • Pressure Drop Model 30RW

### Unit Size 4, 5 & 6

### Unit Size 7 & 8

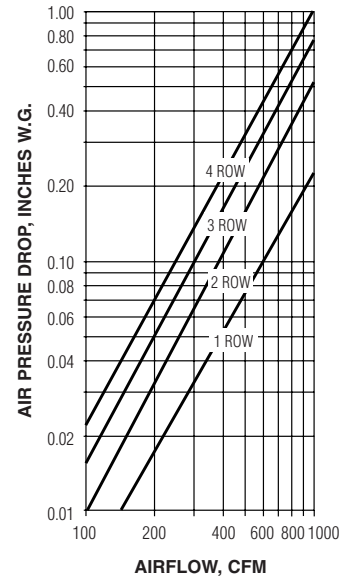
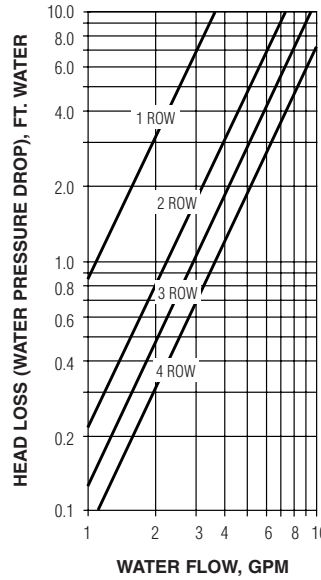
**Water Pressure Drop**

**Air Pressure Drop**



**Water Pressure Drop**

**Air Pressure Drop**

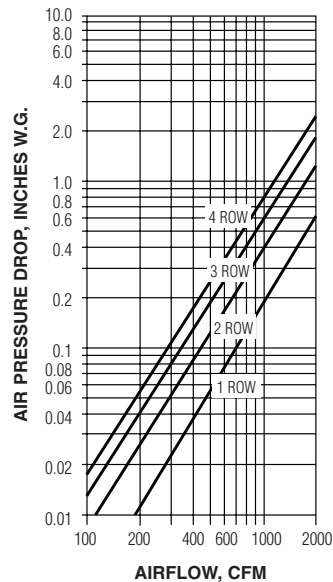
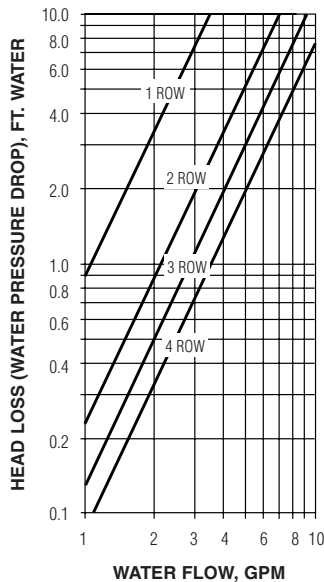


### Unit Size 9 & 10

### Unit Size 12

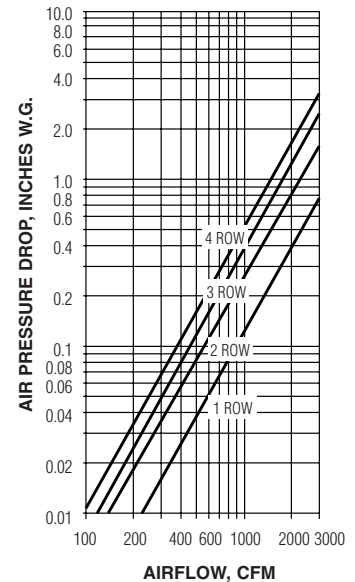
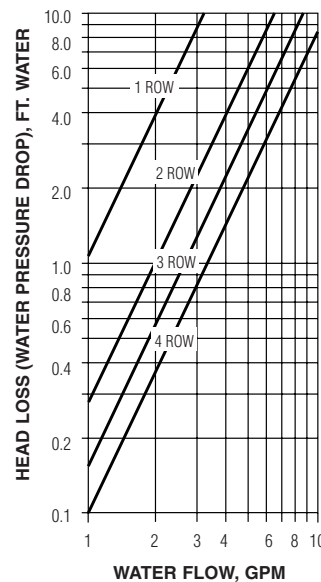
**Water Pressure Drop**

**Air Pressure Drop**



**Water Pressure Drop**

**Air Pressure Drop**



**Metric Conversion Factors:**

1. Water Flow (liters per second)  
l/s = gpm x 0.06309
2. Water Head Loss (kilopascals):  
kPa = ft. w.g. x 2.9837
3. Airflow Volume (liters per second)  
l/s = cfm x 0.472
4. Air Pressure Drop (Pascals):  
Pa = in. w.g. x 248.6
5. Heat (kilowatts):  
kW = Mbh x 0.293

## Performance Data • Hot Water Coil • Pressure Drop

### Model 30RW

#### Unit Size 14

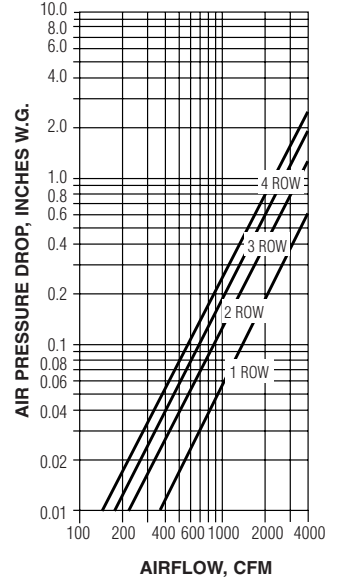
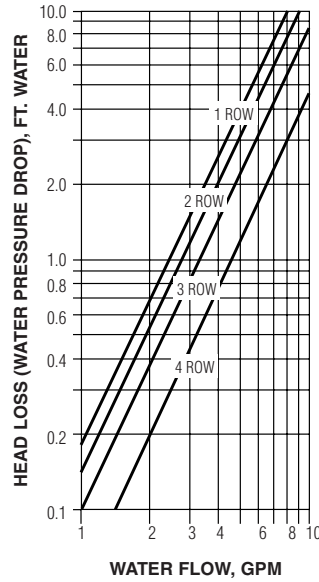
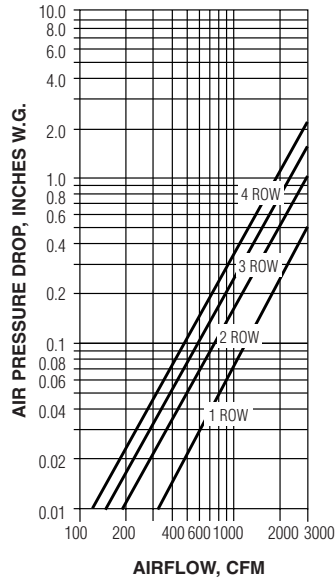
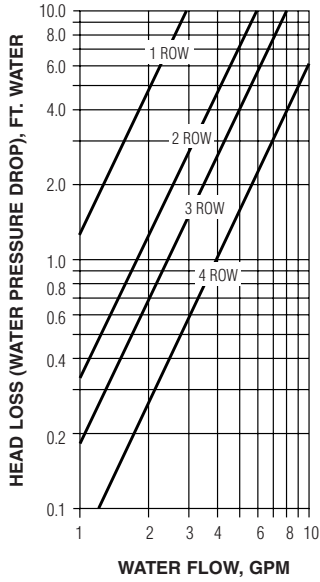
#### Unit Size 16

Water Pressure Drop

Air Pressure Drop

Water Pressure Drop

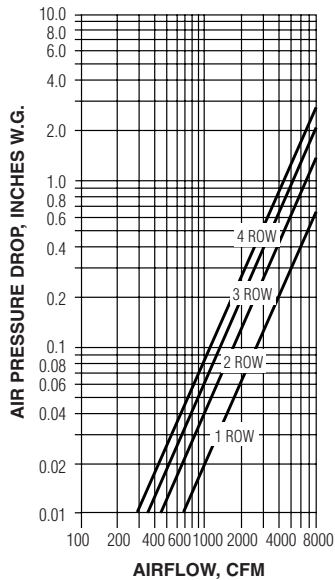
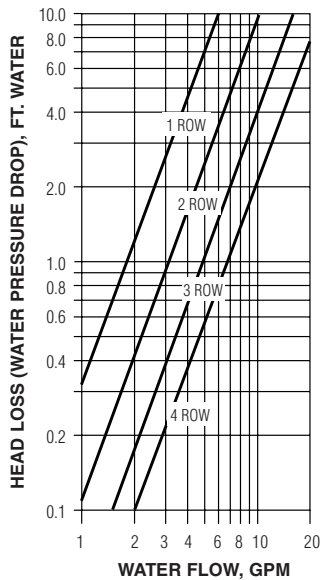
Air Pressure Drop



#### Unit Size 24 x 16

Water Pressure Drop

Air Pressure Drop



#### Metric Conversion Factors:

1. Water Flow (liters per second)  
l/s = gpm x 0.06309
2. Water Head Loss (kilopascals):  
kPa = ft. w.g. x 2.9837
3. Airflow Volume (liters per second)  
l/s = cfm x 0.472
4. Air Pressure Drop (Pascals):  
Pa = in. w.g. x 248.6
5. Heat (kilowatts):  
kW = Mbh x 0.293