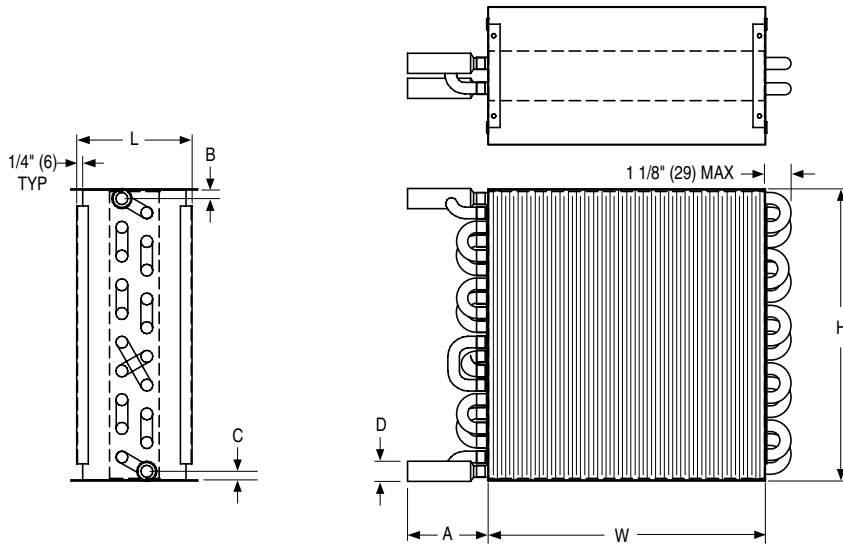


# SINGLE DUCT TERMINAL UNIT HOT WATER REHEAT COILS FOR USE WITH MODELS: (D or P) 31RW MODEL SERIES: 31HWC



## Dimensional Data

| Unit Size | W        | H            | 1 Row     |             |             |            |             |          | 2 Row     |             |             |           |           |          |
|-----------|----------|--------------|-----------|-------------|-------------|------------|-------------|----------|-----------|-------------|-------------|-----------|-----------|----------|
|           |          |              | Part No.  | L           | A           | B          | C           | D        | Part No.  | L           | A           | B         | C         | D        |
| 4, 5, 6   | 12 (305) | 7 1/2 (191)  | V31HWC106 | 5 1/2 (114) | 3 1/2 (89)  | 9/16 (14)  | 3/16 (5)    | 1/2 (13) | V31HWC206 | 5 1/2 (114) | 3 1/2 (89)  | 9/16 (14) | 9/16 (14) | 7/8 (22) |
| 7, 8      | 12 (305) | 10 (254)     | V31HWC108 | 5 1/2 (114) | 3 1/2 (89)  | 3/8 (10)   | 1 (25)      | 1/2 (13) | V31HWC208 | 5 1/2 (114) | 3 1/2 (89)  | 3/8 (10)  | 3/8 (10)  | 7/8 (22) |
| 9, 10     | 14 (356) | 12 1/2 (318) | V31HWC110 | 5 (127)     | 3 (76)      | 13/32 (10) | 1 1/32 (26) | 1/2 (13) | V31HWC210 | 5 (127)     | 3 1/2 (89)  | 3/8 (10)  | 3/8 (10)  | 7/8 (22) |
| 12        | 16 (406) | 15 (381)     | V31HWC112 | 5 1/2 (114) | 3 1/2 (89)  | 3/8 (10)   | 1 (25)      | 7/8 (22) | V31HWC212 | 5 1/2 (114) | 3 1/2 (89)  | 3/8 (10)  | 3/8 (10)  | 7/8 (22) |
| 14        | 20 (508) | 17 1/2 (445) | V31HWC114 | 5 1/2 (114) | 3 1/2 (89)  | 3/8 (10)   | 1 (25)      | 7/8 (22) | V31HWC214 | 5 1/2 (114) | 4 3/4 (121) | 7/8 (22)  | 7/8 (22)  | 7/8 (22) |
| 16        | 24 (610) | 17 1/2 (445) | V31HWC116 | 5 1/2 (114) | 3 1/2 (89)  | 9/16 (14)  | 1 3/16 (30) | 7/8 (22) | V31HWC216 | 5 1/2 (114) | 4 3/4 (121) | 7/8 (22)  | 7/8 (22)  | 7/8 (22) |
| 24 x 16   | 38 (965) | 17 1/2 (445) | V31HWC124 | 5 (127)     | 4 3/4 (121) | 9/16 (14)  | 1 3/16 (30) | 7/8 (22) | V31HWC224 | 5 (127)     | 4 3/4 (121) | 7/8 (22)  | 7/8 (22)  | 7/8 (22) |

| Unit Size | W        | H            | 3 Row     |             |             |             |            |            | 4 Row     |             |             |             |            |            |
|-----------|----------|--------------|-----------|-------------|-------------|-------------|------------|------------|-----------|-------------|-------------|-------------|------------|------------|
|           |          |              | Part No.  | L           | A           | B           | C          | D          | Part No.  | L           | A           | B           | C          | D          |
| 4, 5, 6   | 12 (305) | 7 1/2 (191)  | V31HWC306 | 7 1/2 (191) | 4 (102)     | 1 3/16 (30) | 9/16 (14)  | 7/8 (22)   | V31HWC406 | 7 1/2 (191) | 4 (102)     | 1 3/16 (30) | 9/16 (14)  | 7/8 (22)   |
| 7, 8      | 12 (305) | 10 (254)     | V31HWC308 | 7 1/2 (191) | 4 3/4 (121) | 7/8 (22)    | 7/8 (22)   | 7/8 (22)   | V31HWC408 | 7 1/2 (191) | 4 1/4 (108) | 11/16 (17)  | 11/16 (17) | 7/8 (22)   |
| 9, 10     | 14 (356) | 12 1/2 (318) | V31HWC310 | 7 1/2 (191) | 4 1/4 (108) | 11/16 (17)  | 11/16 (17) | 7/8 (22)   | V31HWC410 | 7 1/2 (191) | 4 1/4 (108) | 11/16 (17)  | 11/16 (17) | 7/8 (22)   |
| 12        | 16 (406) | 15 (381)     | V31HWC312 | 7 1/2 (191) | 4 1/4 (108) | 23/32 (18)  | 23/32 (18) | 7/8 (22)   | V31HWC412 | 7 1/2 (191) | 4 (102)     | 23/32 (18)  | 23/32 (18) | 7/8 (22)   |
| 14        | 20 (508) | 17 1/2 (445) | V31HWC314 | 7 1/2 (191) | 4 3/4 (121) | 7/8 (22)    | 7/8 (22)   | 7/8 (22)   | V31HWC414 | 7 1/2 (191) | 4 (102)     | 7/8 (22)    | 7/8 (22)   | 7/8 (22)   |
| 16        | 24 (610) | 17 1/2 (445) | V31HWC316 | 7 1/2 (191) | 4 3/4 (121) | 7/8 (22)    | 7/8 (22)   | 7/8 (22)   | V31HWC416 | 7 1/2 (191) | 4 (102)     | 7/8 (22)    | 7/8 (22)   | 7/8 (22)   |
| 24 x 16   | 38 (965) | 17 1/2 (445) | V31HWC324 | 7 1/2 (191) | 4 3/4 (121) | 1 1/8 (29)  | 1 1/8 (29) | 1 3/8 (35) | V31HWC424 | 7 1/2 (191) | 4 3/4 (121) | 1 1/8 (29)  | 1 1/8 (29) | 1 3/8 (35) |

## Description:

- 0.0045" (0.11) Aluminum sine-wave corrugation and rippled fins, 10 fins per inch.
- 1/2" (13) O.D. copper tubes, 0.016" (0.41) wall thickness.
- 20 ga. (1.00) galvanized steel casing.
- 1/2" (13), 7/8" (22) or 1 3/8" (35) O.D. copper male solder sweat connections.

- Connection is slip and drive to ductwork, both sides.
- Leakage tested to 360 psi (2481 kPa).
- AHRI Certified.

Note: Maximum working Pressure: 250 PSI @200°F

## SCHEDULE TYPE:

## PROJECT:

## ENGINEER:

## CONTRACTOR:

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Dimensions are in inches (mm).

DATE

B SERIES

SUPERSEDES

DRAWING NO.

9 - 22 - 25

3100

4 - 15 - 25

D31HWC-1



**SINGLE DUCT TERMINAL UNIT  
HOT WATER REHEAT COILS**  
FOR USE WITH MODELS: (D or P) 31RW  
**MODEL SERIES: V31HWC**

**Weights:**

| Unit Size      | 1 Row                 |                    |                    | 2 Row                 |                    |                    | 3 Row                 |                    |                    | 4 Row                 |                    |                    |
|----------------|-----------------------|--------------------|--------------------|-----------------------|--------------------|--------------------|-----------------------|--------------------|--------------------|-----------------------|--------------------|--------------------|
|                | Dry Coil Weight (lbs) | Water Weight (lbs) | Water Volume (gal) | Dry Coil Weight (lbs) | Water Weight (lbs) | Water Volume (gal) | Dry Coil Weight (lbs) | Water Weight (lbs) | Water Volume (gal) | Dry Coil Weight (lbs) | Water Weight (lbs) | Water Volume (gal) |
| <b>4, 5, 6</b> | 5.27                  | 0.16               | 0.02               | 6.47                  | 0.40               | 0.05               | 9.65                  | 0.61               | 0.08               | 10.75                 | 0.75               | 0.10               |
| <b>7, 8</b>    | 6.05                  | 0.19               | 0.03               | 7.64                  | 0.47               | 0.06               | 11.45                 | 1.09               | 0.15               | 12.28                 | 0.88               | 0.12               |
| <b>9, 10</b>   | 7.08                  | 0.23               | 0.03               | 9.25                  | 0.58               | 0.08               | 13.59                 | 0.87               | 0.12               | 15.75                 | 1.11               | 0.15               |
| <b>12</b>      | 9.13                  | 0.46               | 0.06               | 11.86                 | 0.71               | 0.10               | 16.99                 | 1.07               | 0.14               | 19.01                 | 1.37               | 0.18               |
| <b>14</b>      | 11.06                 | 0.58               | 0.08               | 16.80                 | 1.88               | 0.25               | 22.74                 | 2.01               | 0.27               | 24.34                 | 1.80               | 0.24               |
| <b>16</b>      | 12.61                 | 0.72               | 0.10               | 18.79                 | 2.01               | 0.27               | 25.34                 | 2.39               | 0.32               | 27.56                 | 2.07               | 0.28               |
| <b>24 x 16</b> | 17.40                 | 0.96               | 0.13               | 25.43                 | 2.49               | 0.34               | 36.52                 | 4.53               | 0.61               | 42.58                 | 5.19               | 0.70               |

Note: 8.34 lbs / gallon of water.

**SCHEDULE TYPE:**

**PROJECT:**

**ENGINEER:**

**CONTRACTOR:**

Page 2 of 2.

Dimensions are in inches (mm).

**DATE**

**B SERIES**

**SUPERSEDES**

**DRAWING NO.**

**9 - 22 - 25**

**3100**

**4 - 15 - 25**

**D31HWC-1**