



UNDERFLOOR FAN COIL UNITS WITH ECM MOTOR

CHILLED WATER AND/OR HOT WATER

MODELS: 38FZ & 38FZW • UNIT SIZES 3 & 5

MODELS:

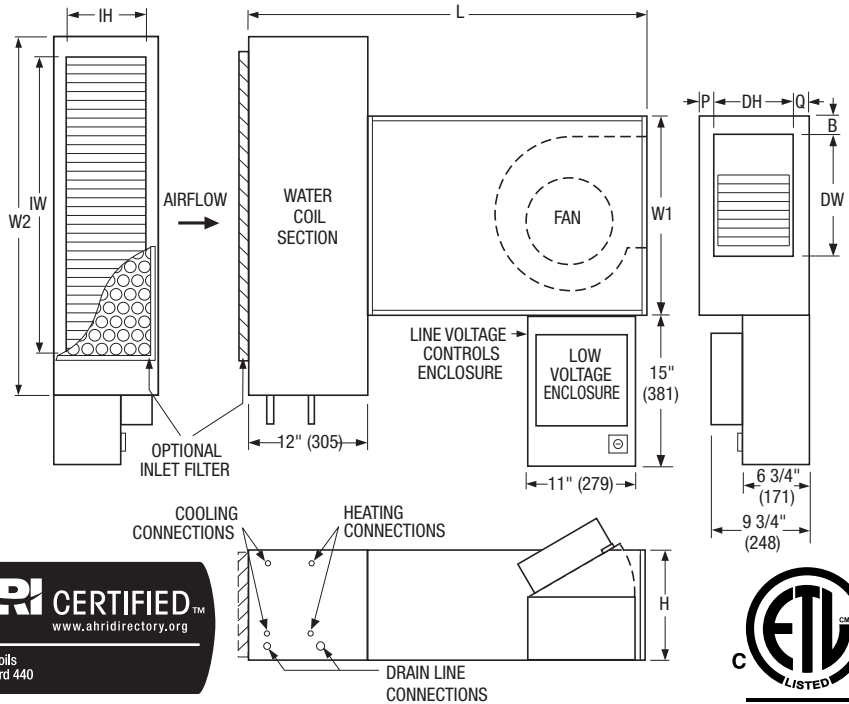
- 38FZ** Chilled water only.
- 38FZW** Chilled and hot water.

STANDARD FEATURES:

- 20 ga. (1.0) galvanized steel casing components.
- Full size top access panel.
- 1/2" (13) dual density insulation, exposed edges coated to prevent air erosion. Meets the requirements of NFPA 90A and UL181.
- Ultra-high efficiency ECM fan motor. EPIC fan volume controller.
- Motor blower assembly mounted on special 16 ga. (1.6) angles and isolated from casing with rubber isolators.
- Single point electrical connection.
- Discharge opening designed for flanged duct connection.
- Top access hinged door on the line voltage/fan controls enclosure.
- Controls mounted as standard on RH side as shown. Terminals ordered with LH controls (optional) are inverted and discharge duct location will therefore change.

WATER COIL SECTION:

- Installed on inlet as a draw through design.
- Coil (and header on multi-circuit units) is installed in insulated casing for increased thermal efficiency.
- 1/2" (13) copper tubes with aluminum ripple fins.
- Cooling coils include an insulated, stainless steel drain pan with 3/4" (19) male NPT primary drain connection and 1/2" (13) male NPT secondary drain connection.
- Top access panel for inspection and coil cleaning.
- Right hand coil connection (looking in direction of airflow) is standard. Left hand is optional.
- Sweat Connections: One, two and three Row 1/2" (13) O.D. male solder. Four & five Row 5/8" (15.9) or 7/8" (22.2) O.D. male solder.



Dimensional Data. Imperial Units (inches)

Intertek

| Unit Size | W1 | W2 | H | L | B | P | Q | Inlet IW x IH | Outlet Discharge DW x DH | Filter Size |
|-----------|----|----|----|----|-------|---|-------|---------------|--------------------------|-------------|
| 3 | 20 | 36 | 11 | 40 | 1 3/8 | 2 | 2 | 30 x 8 | 11 1/4 x 7 | 32 x 10 |
| 5 | 20 | 42 | 15 | 40 | 1 1/4 | 2 | 4 3/4 | 35 x 12 | 11 3/8 x 8 1/4 | 37 x 14 |

Dimensional Data. Metric Units (mm)

| Unit Size | W1 | W2 | H | L | B | P | Q | Inlet IW x IH | Outlet Discharge DW x DH | Filter Size |
|-----------|-----|------|-----|------|----|----|-----|---------------|--------------------------|-------------|
| 3 | 508 | 914 | 279 | 1016 | 35 | 51 | 51 | 762 x 203 | 286 x 178 | 813 x 254 |
| 5 | 508 | 1067 | 381 | 1016 | 32 | 51 | 121 | 889 x 305 | 289 x 210 | 940 x 356 |

Electrical Data

| Unit Size | Motor H.P. | ECM Motor | | | |
|-----------|------------|-----------|----------|--------------|----------|
| | | Voltage | 120/1/60 | 208/240/1/60 | 277/1/60 |
| 3 | 1/3 | Watts | 420 | 450 | 410 |
| | | FLA | 5.8 | 3.4 | 2.9 |
| 5 | 3/4 | Watts | 930 | 1080 | 940 |
| | | FLA | 12.6 | 6.2 | 5.5 |

All ECM motors are single phase, 50/60 Hz.
FLA = Full load amperage

Coil Options:

- 2 Pipe system: 4 Pipe system:
- 3 Row Coil. 3/1 CW/HW Row.
 - 4 Row Coil. 3/2 CW/HW Row.
 - 5 Row Coil. 4/1 CW/HW Row.

OPTIONS:

- Nailor Direct Digital Controller (BACnet compliant).
- Nailor Analog Electronic Controls.
- 1" (25) throwaway fiberglass media filter.
- 1" (25) MERV 7 pleated disposable filter.
- Factory valve piping package.
- Isolator pads.
- Ultraviolet light package.
- Fiber-free liner.
- Perforated metal liner.
- Steri-liner.
- Solid metal liner.
- LH controls location/configuration.
- Safety overflow float switch.
- Toggle disconnect switch.

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Dimensions are in inches (mm).

| DATE | B SERIES | SUPERSEDES | DRAWING NO. |
|--------------|----------|-------------|-------------|
| 10 - 20 - 08 | 38F | 6 - 24 - 08 | 38FZ-2 |