



# UNDERFLOOR FAN COIL UNITS WITH ECM MOTOR

## CHILLED WATER AND/OR HOT WATER

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

#### MODELS:

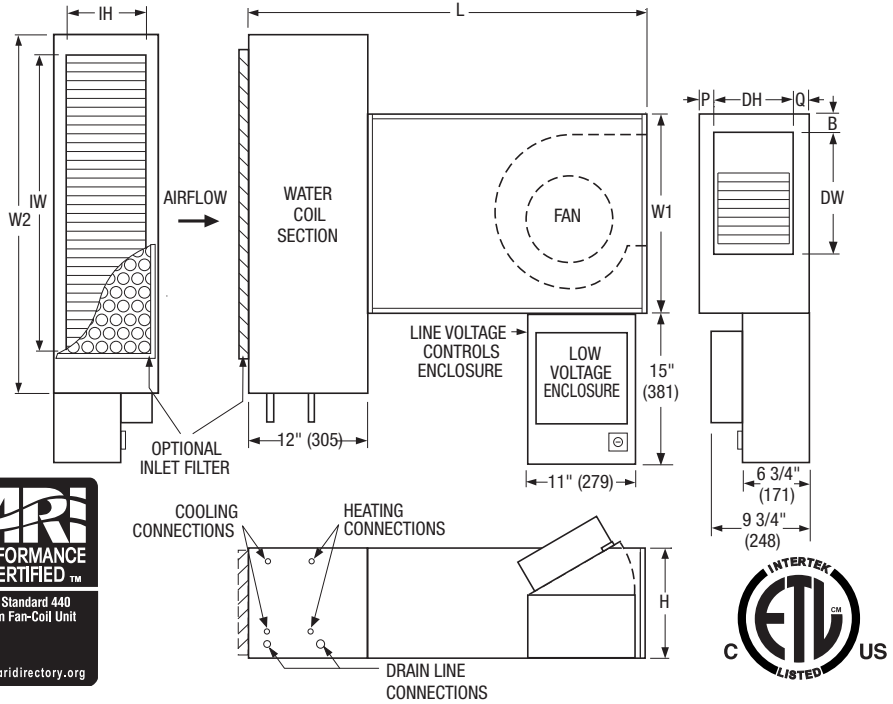
- 38FZ** Chilled water only.
- 38FZW** Chilled and hot water.

#### 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 and two Row 1/2" (13) O.D. male solder. Three, four and five Row 5/8" (15.9) or 7/8" (22.2) O.D. male solder.



#### Dimensional Data. Imperial Units (inches)

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. Imperial Units (inches)

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.

Dimensions are in inches (mm).

#### SCHEDULE TYPE:

#### PROJECT:

#### ENGINEER:

#### CONTRACTOR:

#### DATE

#### B SERIES

#### SUPERSEDES

#### DRAWING NO.

10 - 20 - 08

38F

6 - 24 - 08

38FZ-2