



# UNDERFLOOR FAN COIL UNIT WITH ECM MOTOR

## CHILLED WATER AND/OR HOT WATER

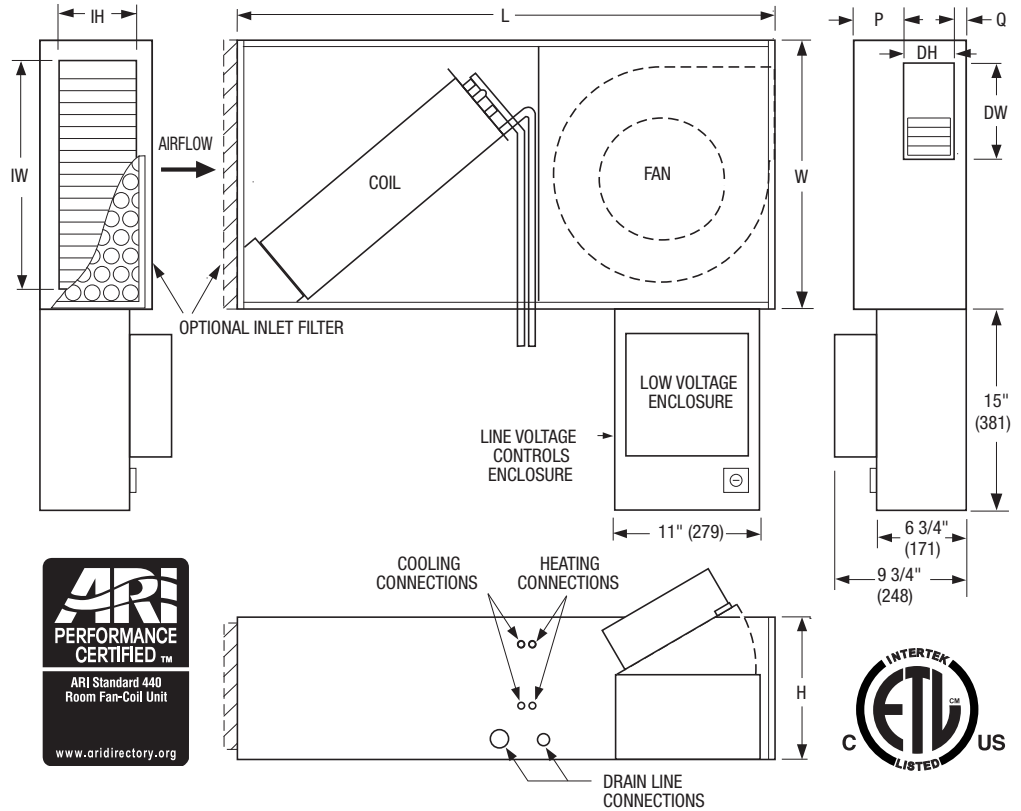
### MODELS: 38FZ & 38FZW • UNIT SIZE 1

#### 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 and five Row 5/8" (15.9) or 7/8" (22.2) O.D. male solder.

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

Unit Size	W	H	L	B	P	Q	Inlet IW x IH	Outlet Discharge DW x DH	Filter Size
1	20	8 1/2	40	1 3/8	4	3/4	17 x 5 3/4	7 1/8 x 3 3/4	19 x 7

#### Dimensional Data. Metric Units (mm)

Unit Size	W	H	L	B	P	Q	Inlet IW x IH	Outlet Discharge DW x DH	Filter Size
1	508	216	1016	35	102	19	432 x 146	181 x 95	483 x 178

#### Electrical Data

Unit Size	Motor H.P.	ECM Motor			
		Voltage	120/1/60	208/240/1/60	277/1/60
1	1/3	Watts	277	276	270
		FLA	3.7	1.9	1.9

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

#### Coil Options:

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