

HIGH CAPACITY HORIZONTAL FAN COIL UNITS CHILLED WATER AND/OR HOT WATER COIL ECM MOTOR MODELS: 35FZ, 35FW & 35FZW • UNIT SIZES 3 & 5

MODELS:

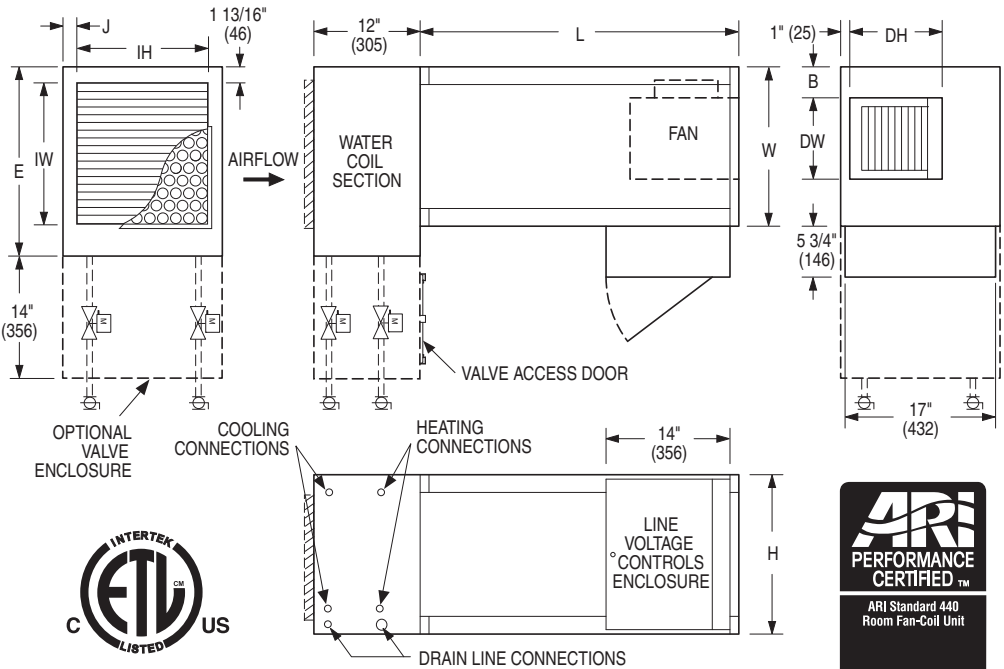
- 35FZ** Chilled water.
- 35FW** Hot water.
- 35FZW** Chilled and hot water.

STANDARD FEATURES:

- 18 ga. (1.3) galvanized steel channel frame with 20 ga. (1.0) casing components.
- 3/4" (19) dual density insulation, exposed edges coated to prevent air erosion. Meets the requirements of NFPA 90A and UL 181.
- Top and bottom full size access panels for ease of maintainance and service.
- Ultra-energy efficient ECM fan motor with overload protection. Solid state 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.
- Controls mounted as standard on RH side as shown. Terminals ordered with LH controls (optional) are inverted and discharge duct hanging 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 and bottom access panels for inspection and coil cleaning.
- Right hand coil connection (looking in direction of airflow) is standard. Left hand is optional.
- Sweat Connections:
One Row 1/2" (13) O.D. male solder. Two, Three, four and five Row 7/8" (22.2) O.D. male solder.



Dimensional Data. Imperial Units (inches)

Unit Size	W	H	L	B	E	J	Inlet IW x IH	Outlet Discharge DW x DH	Filter Size
3	18	18	36	3 1/2	21 3/8	1 9/16	16 x 14 7/8	9 1/4 x 10 1/2	16 x 18
5	26	18	41	5	36 3/8	1 9/16	31 x 14 7/8	13 1/4 x 11 1/2	16 x 32

Dimensional Data. Metric Units (mm)

Unit Size	W	H	L	B	E	J	Inlet IW x IH	Outlet Discharge DW x DH	Filter Size
3	457	457	914	89	543	40	406 x 378	235 x 267	406 x 457
5	660	457	1041	127	924	40	787 x 378	337 x 292	406 x 813

Electrical Data

Unit Size	Motor H.P.	ECM Motor			
		Voltage	120/1/60	208/240/1/60	277/1/60
3	1/2	Watts	532	500	433
		FLA	7	3.6	3.1
5	3/4	Watts	820	796	690
		FLA	10	5.9	5.1

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 ChW/HW Rows.
 - 4 Row Coil. 3/2 ChW/HW Rows.
 - 5 Row Coil. 4/1 ChW/HW Rows.
 - 6 Row Coil. 4/2 ChW/HW Rows.

Dimensions are in inches (mm).

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 assembled valve piping package, mounted in full protective enclosure.
- Ultraviolet light package.
- Fiber-free liner.
- Perforated metal liner.
- Steri-liner.
- Solid metal liner.
- Hanger brackets.
- LH controls location/configuration.
- Safety overflow float switch.
- Toggle disconnect switch.
- Ducted filter connection (see separate submittal 35F/37F-FFR).

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

DATE

B SERIES

SUPERSEDES

DRAWING NO.

10 - 10 - 08

35F

6 - 16 - 08

35F-1