



LOW PROFILE HORIZONTAL FAN COIL UNITS CHILLED WATER AND/OR HOT WATER ECM MOTOR MODELS: 37FZ, 37FW & 37FZW • UNIT SIZES 1 & 3

MODELS:

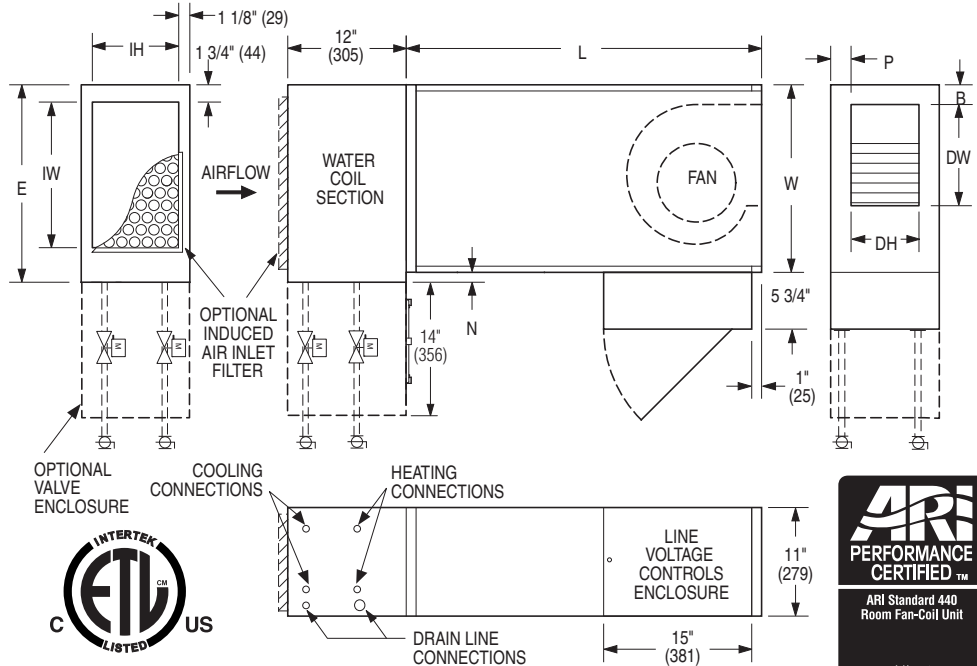
- 37FZ** Chilled water only.
- 37FW** Hot water only.
- 37FZW** Chilled and hot water.

STANDARD FEATURES:

- 20 ga. (1.0) galvanized steel casing components.
- 1/2" (13) dual density insulation, exposed edges coated to prevent air erosion. Meets the requirements of NFPA 90A and UL181.
- Top and bottom full size access panels of unit for ease of maintenance 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	L	B	P	E	N	Inlet IW x IH	Outlet Discharge DW x DH	Filter Size
1	19	36	2	2 1/16	20	1	14 3/4 x 8 3/4	10 1/4 x 6 7/8	18 x 10
3	26 1/2	40 1/4	4 3/8	1 1/2	29 1/8	2 5/8	23 7/8 x 8 3/4	12 1/4 x 8	26 x 10

Dimensional Data. Metric Units (mm)

Unit Size	W	L	B	P	E	N	Inlet IW x IH	Outlet Discharge DW x DH	Filter Size
1	483	914	51	52	508	25	375 x 222	260 x 175	457 x 254
3	673	1022	111	38	740	67	606 x 222	311 x 203	660 x 254

Electrical Data

Unit Size	Motor H.P.	ECM Motor			
		Voltage	120/1/60	208/240/1/60	277/1/60
1	1/3	Watts	142	150	200
		FLA	1.9	1.0	1.0
3	1/3	Watts	410	450	450
		FLA	5.2	3.1	3.1

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.

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).

Dimensions are in inches (mm).

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

DATE	B SERIES	SUPERSEDES	DRAWING NO.
6 - 16 - 08	37F	7 - 18 - 08	37F-1