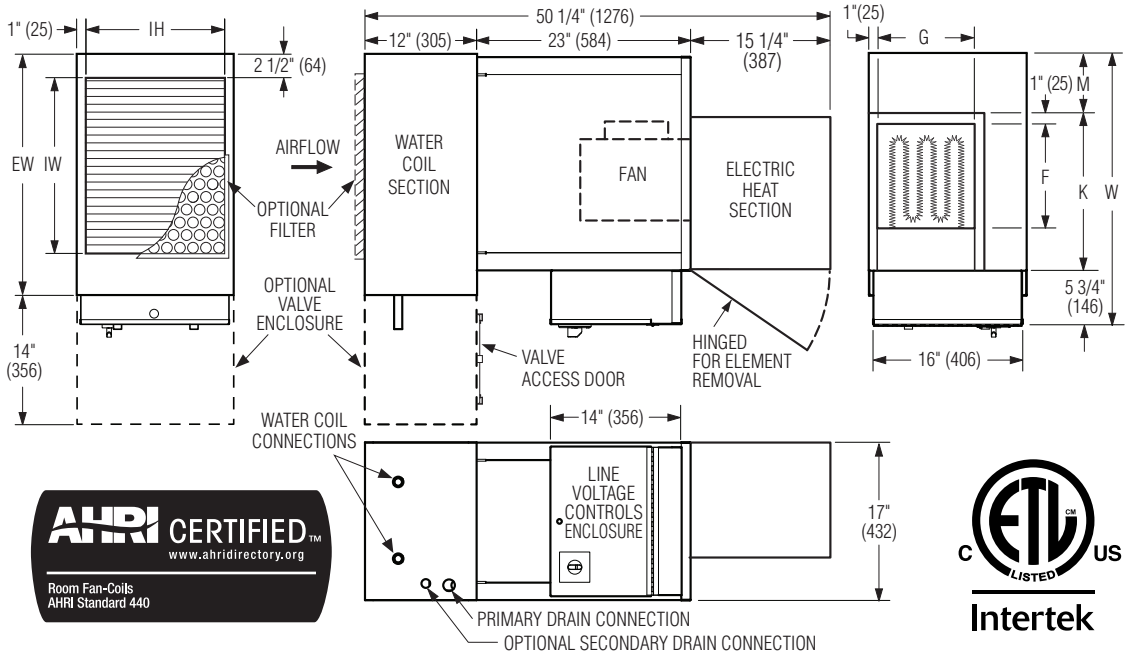


HIGH PERFORMANCE DIRECT DRIVE DRAW THROUGH HORIZONTAL FAN COIL UNITS WITH EPIC ECM MOTOR • 2 PIPE WITH ELECTRIC HEAT MODEL: 35FHZE • UNIT SIZES 8 – 24

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 & UL 181.
- Side and bottom full size access panels 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. Fan coil ordered with LH controls (optional) are inverted and discharge duct hanging location will therefore change.



Dimensional Data.

Unit Size	Nominal CFM (l/s)	W	EW	Inlet IW x IH	Outlet Discharge F x G	K	M	Filter Size
8	800 (378)	28 3/4 (730)	26 (660)	19 x 15 (483 x 381)	11 1/4 x 10 1/2 (286 x 267)	16 1/2 (419)	6 1/2 (165)	16 x 20 (406 x 508)
16	1600 (755)	42 3/4 (1086)	40 (1016)	33 x 15 (838 x 381)	15 1/8 x 11 3/4 (384 x 298)	23 (584)	14 (356)	16 x 35 (406 x 889)

Electrical Data

Unit Size	ECM* Qty.	EPIC ECM Motor FLA			
		120/1/60	208/1/60	240/1/60	277/1/60
8	1	4.4	3.0	3.0	2.6
16	1	8.0	5.3	5.3	5.3

Coil O.D. Sweat Connections

Unit Size	Number of Rows			
	3	4	5	6
8	1/8	1/8	1/8	1/8
16	1/8	1/8	1/8	1 1/8

WATER COIL SECTION:

- Installed on inlet as a draw through design.
- Coil (and header on multi-circuit units) is installed in insulated (fiber-free/foam) casing for increased thermal efficiency.
- 1/2" (13) copper tubes with aluminum ripple fins.
- Cooling coils include an insulated, galvanize steel drain pan with 3/4" (19) male NPT primary drain connection.
- Side and bottom access panels for inspection and coil cleaning.
- Right hand coil connection shown (looking in direction of airflow) is standard. Left hand is optional.

Coil Options:

- 2 Pipe system:
- 3 Row C/HW. 5 Row C/HW.
 - 4 Row C/HW. 6 Row C/HW.

ELECTRIC COIL SECTION:

- Hinged door with heater element module for easy access, removal and replacement of heater element without disturbing ductwork.
- Coil installed on unit discharge.
- Insulated coil element wrapper.
- Automatic reset high limit cut-outs (one per element).
- Flanged outlet duct connection.

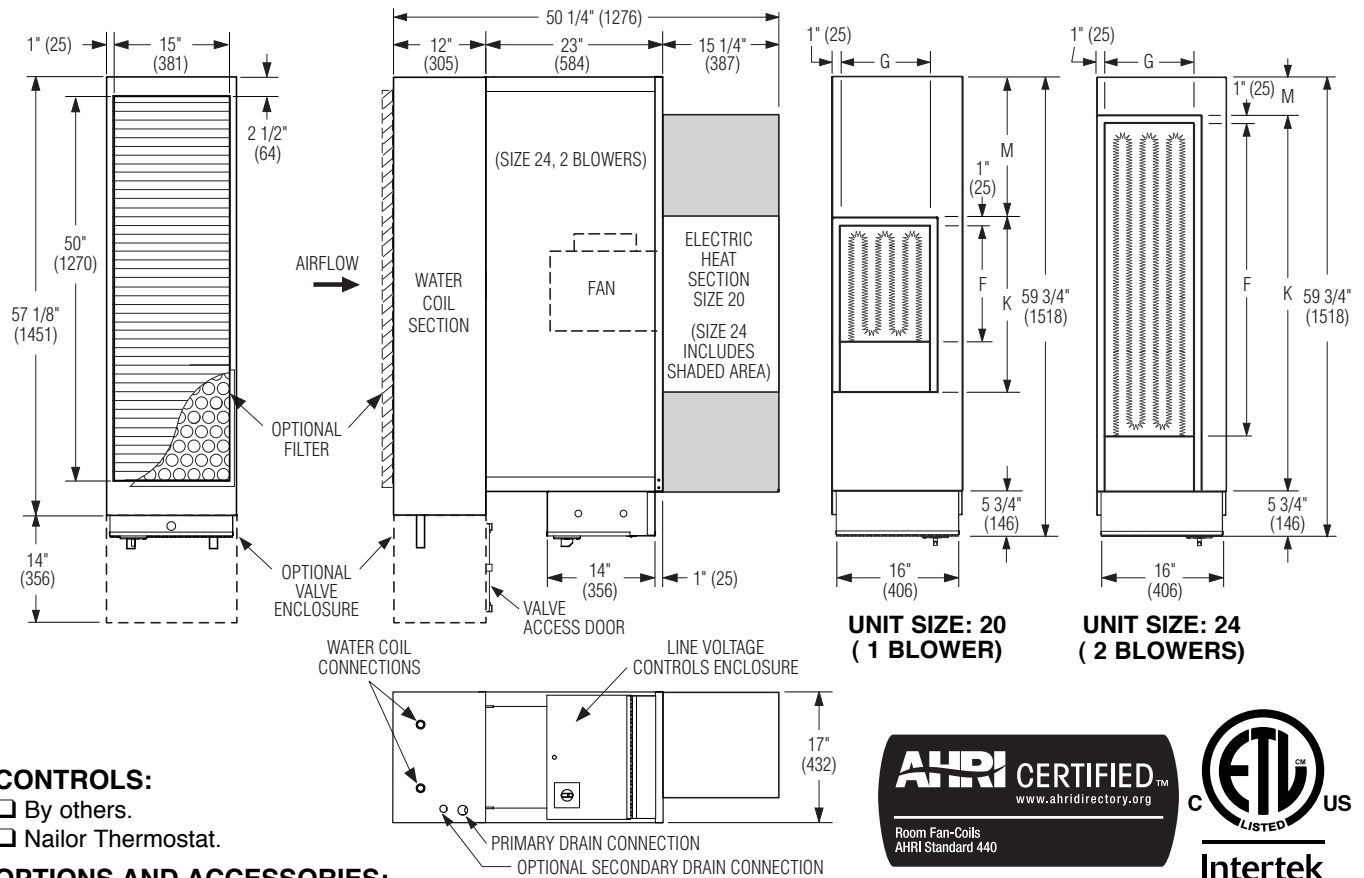
OPTIONS:

- Door interlock disconnect switch.
- SCR Controls
- Power circuit fusing.
- Class 'A' 80/20 Ni./Cr. Wire.
- Dust tight construction.
- Manual reset secondary thermal cut-out.

Voltage:

- Single Phase, 60 Hz.:
- 120V 208V
 - 240V 277V
- Three phase, 60 Hz.:
- 208V
 - 480V (4 wire wye)

SCHEDULE TYPE:		Page 1 of 2.			
PROJECT:		Dimensions are in inches (mm).			
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.	
CONTRACTOR:	5 - 4 - 12	35FH	2 - 6 - 12	35FH-6	



CONTROLS:

- By others.
- Nailor Thermostat.

OPTIONS AND ACCESSORIES:

- 1" (25) throwaway fiberglass media filter.
- 2" (51) pleated disposable filter.
 - MERV 8 MERV 13
- Factory assembled valve piping package.
 - shipped loose
 - mounted in full protective enclosure
- Stainless steel drain pan with drain connection.
- Secondary overflow drain connection, 1/2" (13) male NPT.
- Fiber-free liner.
- Perforated metal liner.
- Steri-liner.
- Solid metal liner.
- Hanger brackets.
- LH controls location/configuration.
- Safety overflow float switch.
- Toggle disconnect switch.
- Ultraviolet light package.
- Ducted return filter rack connection (see separate submittal 35FH-FFR).
- Mixing Box (See separate submittal 35FH-MB).

Dimensional Data.

Unit Size	Nominal CFM (l/s)	Outlet Duct Size F x G	K	M	Filter Size
20	2000 (944)	15 1/4 x 11 3/4 (387 x 298)	23 (584)	18 3/8 (467)	16 x 52 (406 x 1321)
24	2400 (1038)	41 1/4 x 11 3/4 (1048 x 298)	49 (1245)	5 (127)	16 x 52 (406 x 1321)

Electrical Data

Unit Size	ECM* Qty.	EPIC ECM Motor FLA			
		120/1/60	208/1/60	240/1/60	277/1/60
20	1	9.7	6.4	6.3	6.2
24	2	9.0	5.9	5.9	5.6

FLA = Full load amperage

*Variable speed/consumption motor. Refer to Selectworks Schedule for actual consumption.

Coil O.D. Sweat Connections

Unit Size	Number of Rows			
	3	4	5	6
20 & 24	1 1/8"	1 1/8"	1 1/8"	1 1/8"



SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Page 2 of 2.
Dimensions are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
5 - 4 - 12	35FH	2 - 6 - 12	35FH-6