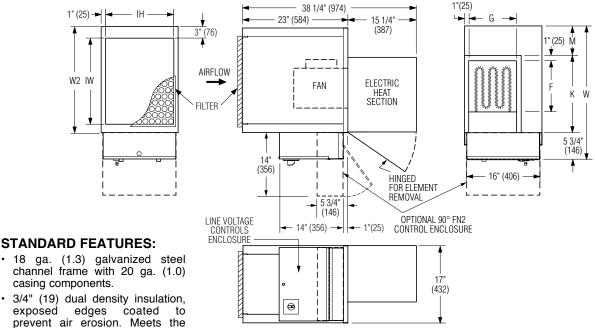


HIGH PERFORMANCE HORIZONTAL FAN COIL UNITS WITH EPIC ECM MOTOR

ELECTRIC HEAT ONLY. DIRECT DRIVE MODEL: 35FHE • UNIT SIZES 8 - 40



exposed

UL 181. Side and bottom full size access panels for ease of maintenance

requirements of NFPA 90A and

Ultra-energy efficient ECM fan motor with overload protection. Solid state EPIC fan volume controller.

and service.

- Motor blower assembly mounted on special 16 ga. (1.6) angles and isolated from casing with rubber isolators.
- Single point electrical 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.
- 1" (25) throwaway fiberglass media filter.

Dimensional Data

Unit Size	Nominal CFM (I/s)	W	W2	Inlet IW x IH	Outlet Duct Size F x G	K	М	Filter Size
8	800 (378)	28 3/4 (730)	23 (584)	19 x 15 (483 x 381)	11 1/4 x 10 1/2 (286 x 267)	16 1/2 (419)	6 1/2 (165)	20 x 16 (508 x 406)
16	1600 (755)	42 3/4 (1086)	37 (940)	33 x 15 (838 x 381)	15 1/8 x 11 3/4 (384 x 298)	23 (584)	14 (356)	35 x 16 (889 x 406)

Electrical Data

Unit	Motor	EPIC ECM Motor FLA					
Size	HP	120V	208V	240V	277V		
8	*	3.3	2.2	2.1	2.1		
16	*	7.2	4.9	4.7	4.6		





* The EPIC ECM is a variable horsepower motor. Refer to Selectworks schedule for actual power consumption.

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

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.

Electric Coil 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.:

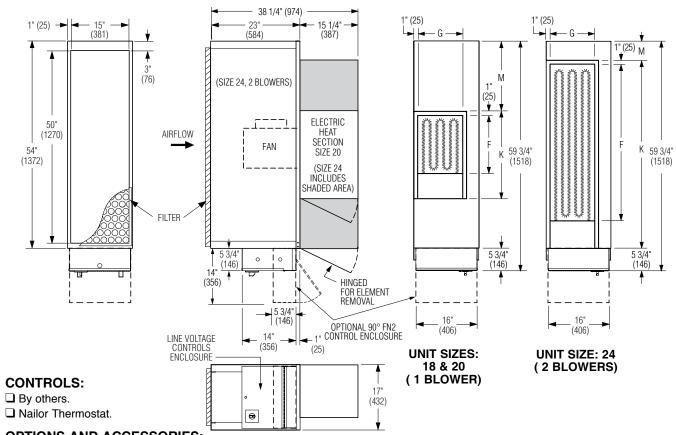
□ 208V □ 480V (4 wire wye)

SCHEDULE TYPE: Page 1 of 3. Dimensions are in inches (mm). PROJECT: **ENGINEER:** DATE **B SERIES** SUPERSEDES DRAWING NO. **CONTRACTOR:** 35FH-6 5 - 6 - 25 35FH 4 - 11 - 22



HIGH PERFORMANCE HORIZONTAL FAN COIL UNITS WITH EPIC ECM MOTOR

ELECTRIC HEAT ONLY• DIRECT DRIVE MODEL: 35FHE • UNIT SIZES 8 – 40



OPTIONS AND ACCESSORIES:

- 2" (51) pleated disposable filter.
 - ☐ MERV 8 ☐ MERV 13
- ☐ Fiber-free liner.
- ☐ Perforated metal liner.
- ☐ Steri-liner.
- ☐ Steri-liner w/perf.
- ☐ 1" (25) fiberglass liner.
- ☐ Hanger brackets.
- ☐ LH controls location/configuration.
- ☐ Safety overflow float switch.
- ☐ Toggle disconnect switch.
- ☐ Ducted return filter rack connection (see separate submittal 35FH/37FH-FFR).
- ☐ Mixing Box (See submittal 35FH-MB).
- ☐ FN2 90° line voltage enclosure.
- ☐ FN3 Remote line voltage enclosure (see separate submittal FN3).
- ☐ Induced Air Silencer (see separate submittals 35FH-DSI and 35FH-DSIE).

Seismic Certification:

- ☐ SSI (Standard)
- □ OSHPD
- ☐ Special Features:

Dimensional Data

Unit Size	Nominal CFM (I/s)	Outlet Duct Size F x G	К	М	Filter Size
20 200	2000 (944)	15 1/4 x 11 3/4 (387 x 298)	23 (584)	18 3/8 (467)	52 x 16 (1321 x 406)
24	2400 (1133)	41 1/4 x 11 3/4 (1048 x 298)	49 (1245)	5 (127)	52 x 16 (1321 x 406)

Electrical Data

Unit	Motor	EPIC ECM Motor FLA					
Size	HP	120V	208V	240V	277V		
20	*	9.6	6.3	6.1	6.0		
24	*	11.8	7.9	7.8	7.5		

 * The EPIC ECM is a variable horsepower motor. Refer to Selectworks schedule for actual power consumption.
 FLA = Full load amperage. All motors are single phase/60 Hz.



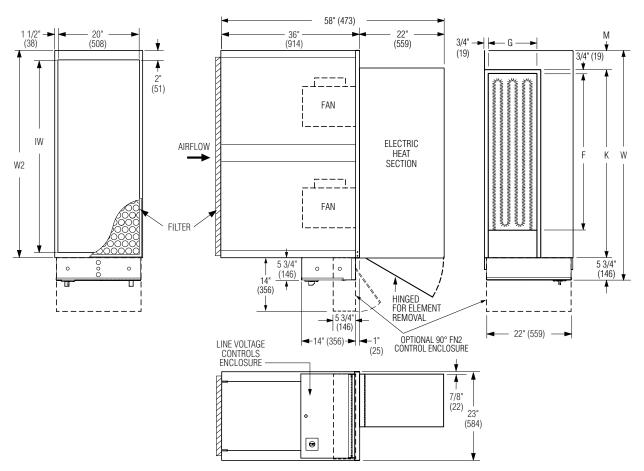


SCHEDULE TYPE:	Page 2 of 3.			
PROJECT:	Dimensions are in inches (mm).			
ENGINEER:	DATE B SERIES SUPERSEDES DRAWING			
CONTRACTOR:	5 - 6 - 25	35FH	4 - 11 - 22	35FH-6



HIGH PERFORMANCE HORIZONTAL FAN COIL UNITS WITH EPIC ECM MOTOR

ELECTRIC HEAT ONLY• DIRECT DRIVE **MODEL**: 35FHE • UNIT SIZES 8 – 40

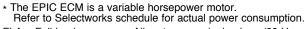


Dimensional Data

Unit Size	Nominal CFM (I/s)	Outlet Duct Size F x G	К	М	W2	IW	w	Filter Size
30	3000 (1416)	41 1/2 x 12 (1054 x 305)	49 (1245)	5 (127)	54 (1372)	50 (1270)	59 3/4 (1518)	22 x 52 (559 x 1321)
40	4000 (1888)	48 1/2 x 13 1/2 (1232 x 343)	57 (1448)	7 (178)	64 (1626)	60 (1524)	69 3/4 (1772)	22 x 62 (559 x 1575)

Electrical Data

Unit	Motor	EPIC ECM Motor FLA					
Size	HP	120V	208V	240V	277V		
30	*	12.6	8.7	8.4	8.0		
40	*	19.4	12.5	11.9	11.6		



SSI Listed



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

SCHEDULE TYPE:	Page 3 of 3.			
PROJECT:	Dimensions are in inches (mm).			
ENGINEER:	DATE B SERIES SUPERSEDES DRAWING N			DRAWING NO.
CONTRACTOR:	5 - 6 - 25	35FH	4 - 11 - 22	35FH-6