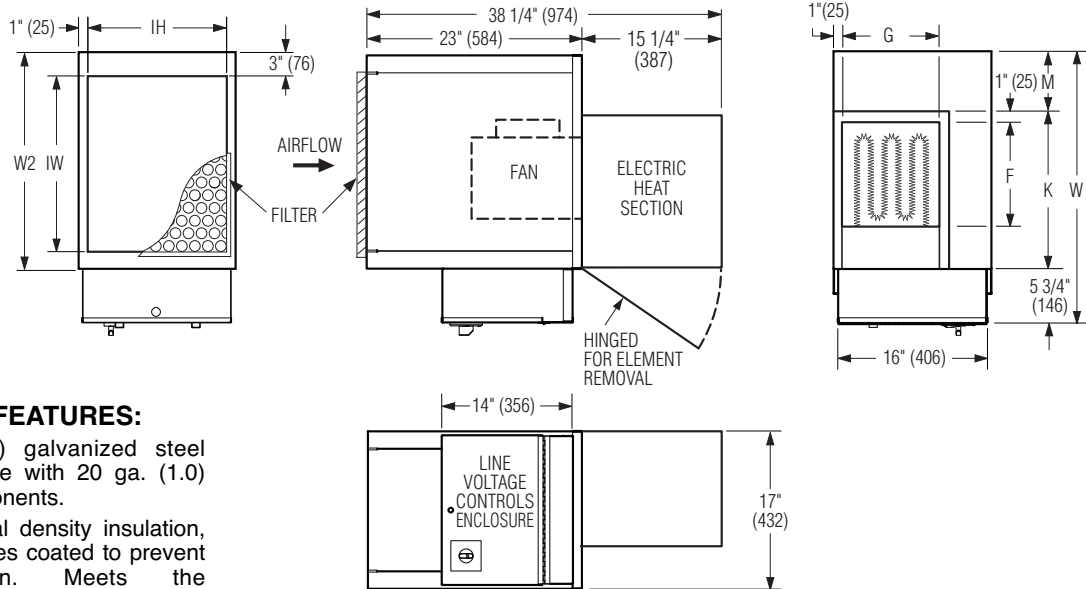


HIGH PERFORMANCE HORIZONTAL FAN COIL UNITS WITH 3-SPEED ECM OR PSC MOTOR ELECTRIC HEAT ONLY • DIRECT DRIVE MODEL: 35FHE • UNIT SIZES 4 – 24



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

MOTOR OPTIONS:

- ☐ Energy efficient 3-Speed PSC fan motor with overload protection.
- ☐ Ultra-high efficiency 3-Speed ECM fan motor with overload protection.

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.

Dimensional Data

Unit Size	Nominal CFM (l/s)	W	W2	Inlet IW x IH	Outlet Duct Size F x G	K	M	Filter Size W x H
4	400 (189)	28 3/4 (730)	23 (584)	19 x 15 (483 x 381)	8 1/8 x 10 1/2 (225 x 267)	16 1/2 (419)	6 1/2 (165)	20 x 16 (508 x 406)
6	600 (283)				11 1/4 x 10 1/2 (286 x 267)			
8	800 (378)				11 1/4 x 10 1/2 (286 x 267)			
10	1000 (472)	42 3/4 (1086)	37 (940)	33 x 15 (838 x 381)	12 1/2 x 11 3/4 (318 x 298)	23 (584)	14 (356)	35 x 16 (889 x 406)
12	1200 (566)				13 3/8 x 11 3/4 (352 x 298)			
14	1400 (661)				13 3/8 x 11 3/4 (352 x 298)			
16	1600 (755)				15 1/8 x 11 3/4 (384 x 298)			

Electrical Data

Unit Size	3-Speed ECM Motor FLA					3-Speed PSC Motor FLA				
	Motor HP	120V	208V	240V	277V	Motor HP	120V	208V	240V	277V
4	1/3	1.5	1.4	1.4	0.9	1/10	1.5	0.7	0.7	0.6
6	1/3	2.9	1.9	1.9	1.5	1/6	2.5	1.1	1.2	1.1
8	1/3	3.3	2.2	2.2	1.9	1/6	2.7	1.3	1.3	1.2
10	1/3	3.6	2.4	2.4	2.4	1/4	3.8	1.9	1.9	1.5
12	1/2	4.3	2.8	2.7	2.9	1/4	4.1	2.0	2.0	1.6
14	1/2	5.1	3.4	3.4	3.2	1/3	4.6	2.3	2.3	2.0
16	3/4	6.0	4.0	4.0	3.7	1/3	7.1	3.0	3.0	2.7

FLA = Full load amperage (High Fan Speed). All motors are single phase/60 Hz.

Voltage:

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

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.



SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Page 1 of 2.
Dimensions are in inches (mm).

DATE

B SERIES

SUPERSEDES

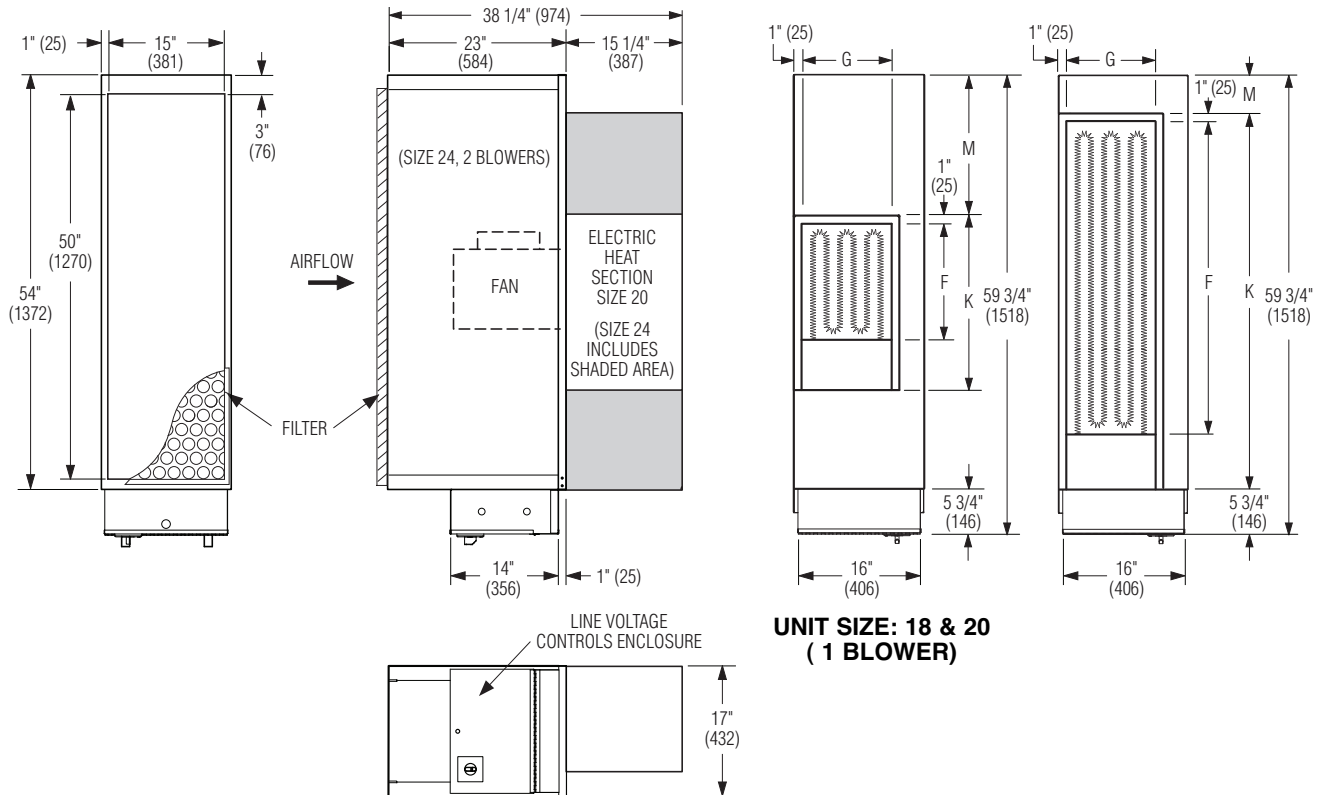
DRAWING NO.

2 - 1 - 16

35FH

6 - 9 - 14

35FH-5



CONTROLS:

- ☐ By others.
- ☐ Nailor Thermostat.

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.
- ☐ Toggle disconnect switch.
- ☐ Ducted return filter rack connection (see separate submittal 35FH/37FH-FFR).

Dimensional Data

Unit Size	Nominal CFM (l/s)	Outlet Duct Size F x G	K	M	Filter Size
18	1800 (849)	15 1/4 x 11 3/4 (387 x 298)	23 (584)	18 3/8 (467)	52 x 16 (1321 x 406)
20	2000 (944)	15 1/4 x 11 3/4 (387 x 298)	23 (584)	18 3/8 (467)	
24	2400 (1038)	41 1/4 x 11 3/4 (1048 x 298)	49 (1245)	5 (127)	

Electrical Data

Unit Size	3-Speed ECM Motor FLA					3-Speed PSC Motor FLA				
	Motor HP	120V	208V	240V	277V	Motor HP	120V	208V	240V	277V
18	3/4	6.4	4.5	4.5	4.3	1/3	7.7	3.3	3.4	3.2
20	3/4	7.7	5.6	5.6	5.3	1/2	8.2	4.3	4.4	3.6
24	2 @ 1/3	9.4	6.0	6.0	6.1	2 @ 1/3	8.4	4.0	4.0	3.6

FLA = Full load amperage (High Fan Speed). All motors are single phase/60 Hz.



SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

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

DATE	B SERIES	SUPERSEDES	DRAWING NO.
2 - 1 - 16	35FH	6 - 9 - 14	35FH-5