

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.
- 1" (25) throwaway fiberglass media filter.

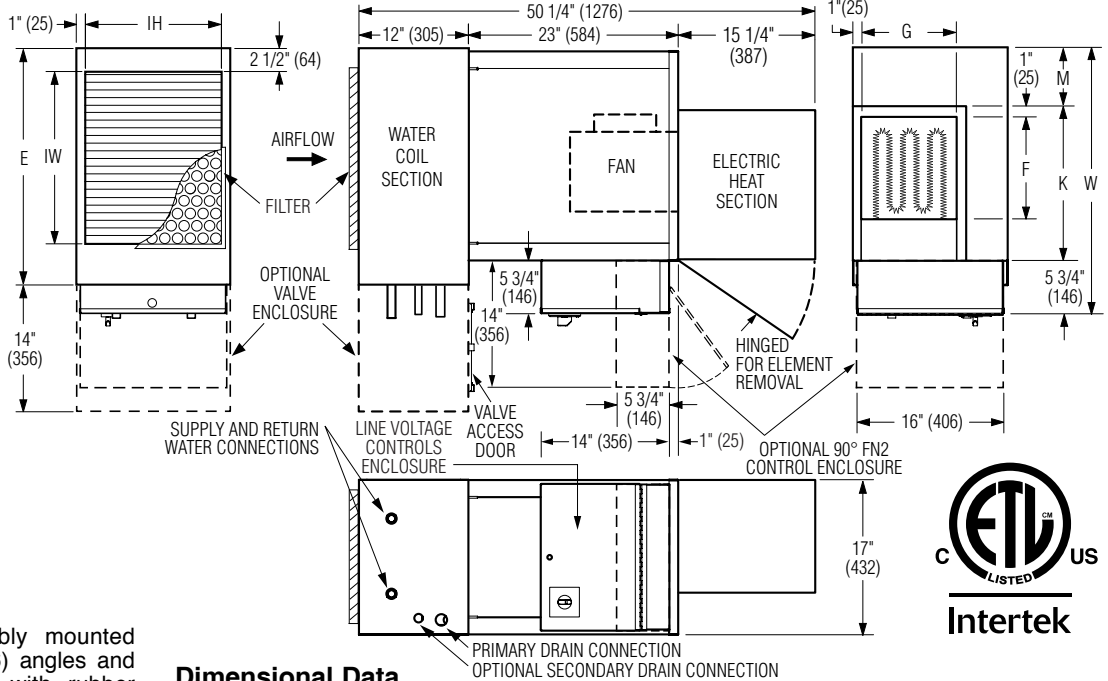
WATER COIL SECTION:

- 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, galvanized 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.



Dimensional Data

Unit Size	Nominal CFM (l/s)	W	E	Inlet IW x IH	Outlet Duct Size 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)	20 x 16 (508 x 406)
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)	35 x 16 (889 x 406)

Electrical Data

Unit Size	Motor HP	EPIC ECM Motor FLA			
		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.

Coil O.D. Sweat Connections

Unit Size	Number of Rows			
	3	4	5	6
8	7/8	7/8	7/8	7/8
16	7/8	7/8	7/8	1 1/8

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:

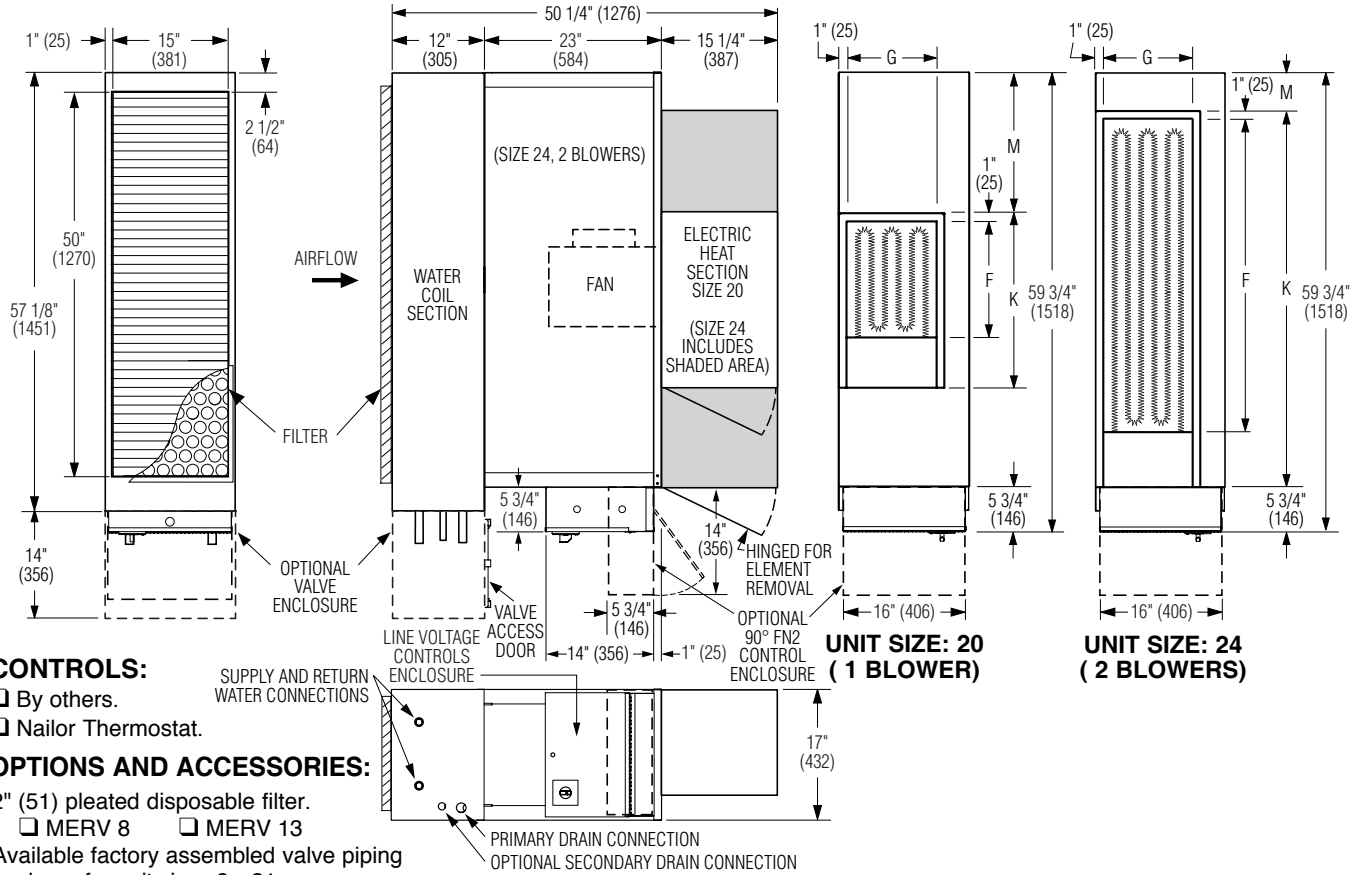
PROJECT:

ENGINEER:

CONTRACTOR:

Page 1 of 3.
Dimensions are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
4 - 11 - 22	35FH	11 - 24 - 20	35FH-4



CONTROLS:

- By others.
- Nailor Thermostat.

OPTIONS AND ACCESSORIES:

- 2" (51) pleated disposable filter.
 - MERV 8
 - MERV 13
- Available factory assembled valve piping package for unit sizes 8 – 24.
 - components 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.
- Steri-liner w/perf.
- 1" (25) fiberglass 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/37FH-FFR).
- Mixing Box (See submittal 35FH-MB).
- Outside Air Inlet (OAI) (see separate submittal 35FH-OAI).
- 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).

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)	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 Size	Motor HP	EPIC ECM Motor FLA			
		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.

Seismic Certification:

- SSI (Standard)
- OSHPD
- Special Features:



Coil O.D. Sweat Connections

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



Intertek

SCHEDULE TYPE:

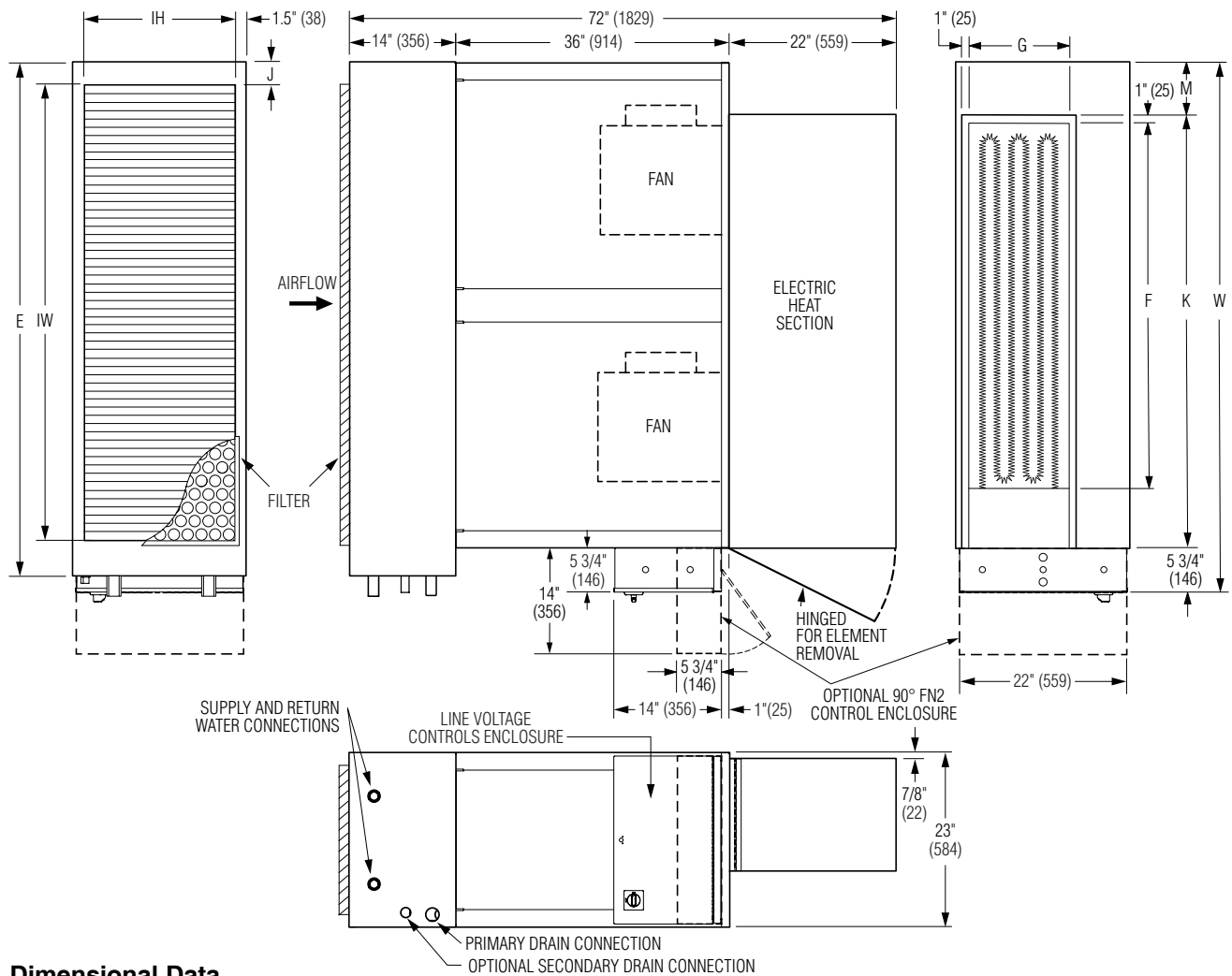
PROJECT:

ENGINEER:

CONTRACTOR:

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Dimensions are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
4 - 11 - 22	35FH	11 - 24 - 20	35FH-4



Dimensional Data

Unit Size	Nominal CFM (l/s)	E	J	Inlet IW x IH	Outlet Duct Size F x G	K	M	W	Filter Size
30	3000 (1416)	57 1/8 (1451)	2 3/8 (60)	50 x 20 (1270 x 508)	41 1/2 x 12 (1054 x 305)	49 (1245)	5 (127)	59 3/4 (1518)	22 x 52 (559 x 1321)
40	4000 (1888)	67 5/8 (1718)	2 7/8 (73)	60 x 20 (1524 x 508)	48 1/2 x 13 1/2 (1232 x 343)	57 (1448)	7 (178)	69 3/4 (1772)	22 x 62 (559 x 1575)

Electrical Data

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

Coil O.D. Sweat Connections

Unit Size	Number of Rows
30 & 40	3, 4, 5 & 6
	1 3/8



* 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 3 of 3.			
PROJECT:		Dimensions are in inches (mm).			
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.	
CONTRACTOR:	4 - 11 - 22	35FH	11 - 24 - 20	35FH-4	