FAN POWERED TERMINAL UNIT WITH EPIC ECM MOTOR

STEALTH • SERIES FLOW
CONSTANT OR VARIABLE VOLUME

MODELS: 35SST, 35SWST AND 35SEST • UNIT SIZES 1 – 6

DESCRIPTION:

- 18 ga. (1.31) galvanized steel channel frame with 20 ga. (1.00) casing components.
- 16 ga. (1.61) galvanized steel inclined opposed blade damper. 45° rotation. CW to close.
- Ultra-high efficiency ECM fan motor. EPIC fan volume controller.
- Multi-point averaging Diamond Flow sensor. Supplied with balancing tees.
- Full size access panels on three sides.
- 3/4" (19) dual density insulation, exposed edges coated to prevent air erosion. Meets requirements of NFPA 90A and UL 181.
- Single point electrical and /or pneumatic main air connection.
- Discharge opening for flanged duct connection.
- Full primary air valve low voltage NEMA 1 type enclosure for factory mounted DDC and analog electronic controls.
- Controls mounted as standard on RH side as shown. Terminals ordered with LH controls (optional) are inverted and discharge duct hanging elevation will therefore change.

OPTIONS:

Digital Controls:
- ❑ Factory mounted (supplied by others)
- ❑ Field mounted (supplied by others)
- ❑ Nailor EZvav. See separate submittal.

Liner:
- ❑ Steri-liner
- ❑ Steri-liner + Perforated metal
- ❑ Fiber-free
- ❑ Perforated metal
- ❑ Solid metal
- ❑ 1" (25) fiberglass
- ❑ Low temperature construction

Other:
- ❑ Left-hand controls location
- ❑ Toggle disconnect switch
- ❑ Fan unit fusing
- ❑ 24/24V Isolation transformer
- ❑ Cross Flow Sensor
- ❑ 'Q' Option – Induced Air Inlet Attenuator
- ❑ Top entry induced air inlet
- ❑ 1" (25) Throwaway filter
- ❑ 2" (51) MERV 8 filter
- ❑ Hanger brackets.
- ❑ 1/4-turn fasteners (access panel)
- ❑ FN2 90° Line Voltage Enclosure
- ❑ FN3 Remote Line Voltage Controls Enclosure (See submittal FN3)
- ❑ Duct tight enclosure seal
- ❑ Remote user disconnect

Model 35SST • Basic Unit

Dimensional Data

Unit Size	Inlet Size	W	W2	H	L	B	Induced Air Inlet IW x IH	Outlet Discharge DW x DH	Filter Size
1	5, 6, 8** (127, 152, 203)	20 (508)	44 (1118)	14 (356)	36 (914)	6 (152)	9 x 14 (229 x 356)	8 1/8 x 4 1/4 (206 x 108)	10 x 14 (254 x 356)
2	6, 8 (152, 203)	18 (457)	42 (1067)	14 (356)	36 (914)	3 1/2 (89)	9 x 14 (229 x 356)	9 1/4 x 10 1/2 (235 x 267)	10 x 14 (254 x 356)
3	6, 8, 10, 12 (152, 203, 254, 305)	18 (457)	44 (1118)	18 (457)	36 (914)	3 1/2 (89)	11 x 18 (279 x 457)	9 1/4 x 10 1/2 (235 x 267)	12 x 18 (305 x 457)
4	8, 10, 12, 14 (203, 254, 305, 356)	26 (660)	56 3/4 (1441)	18 (457)	41 (1041)	6 (152)	15 3/4 x 14 (400 x 356)	12 x 10 1/2 (305 x 267)	16 x 14 (406 x 356)
5	10, 12, 14 (254, 305, 356)	26 (660)	55 1/2 (1410)	18 (457)	41 (1041)	5 (127)	14 1/2 x 18 (368 x 457)	13 1/4 x 11 1/2 (337 x 292)	14 x 18 (356 x 457)
6	12, 14, 16 (305, 356, 406)	30 (762)	62 1/2 (1588)	19 (483)	44 (1118)	6 (152)	17 1/2 x 19 (445 x 483)	13 1/4 x 11 1/2 (337 x 292)	18 x 19 (457 x 483)

** ECM Only.

Seismic Certification:
- ❑ Seismic Source International (Standard)
- ❑ HCAI (formerly OSHPD, California)
- ❑ Special Features: _____ .

Electrical Data

Unit Size	EPIC ECM Motor FLA				
	Motor HP	120V	208V	240V	277V
1	*	2.1	1.4	1.3	1.2
2	*	4.0	2.7	2.6	2.6
3	*	5.0	3.4	3.3	3.3
4	*	6.9	4.6	4.5	4.2
5	*	9.0	6.1	5.8	5.6
6	*	11.9	7.3	7.3	7.2

* The 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.

Page 1 of 2. For heat options; see page 2.
Dimensions are in inches (mm).

SCHEDULE TYPE:				
PROJECT:				
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR:	2 - 6 - 23	3500	11 - 15 - 22	35SST-1

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

Nailor® Industries Inc.

FAN POWERED TERMINAL UNIT WITH EPIC ECM MOTOR • HEAT ACCESSORIES

STEALTH • SERIES FLOW
CONSTANT OR VARIABLE VOLUME

MODELS: 35SST, 35SWST AND 35SEST • UNIT SIZES 1 – 6

❑ Hot Water Coil Section Model 35SWST STEALTH

Standard Features:

- Coil section installed on unit discharge.
- Coil (and header on multi-circuit units) is installed in insulated casing for increased thermal efficiency.
- 1/2" (13) copper tubes.
- Aluminum ripple fins.
- Sweat Connections:
  Size 1 – 3: 1 Row 1/2" (13), 2 and 3 Row 7/8" (22); O.D. male solder.
  Size 4 – 6: 1, 2, and 3 Row 7/8" (22); O.D. male solder.
- Top and bottom access panels for inspection and coil cleaning.
- Flanged outlet duct connection.

Coil Rows:

❑ 1-Row ❑ 2-Row ❑ 3-Row

Coil Hand Connections:

(Looking in direction of airflow).

❑ Right hand (illustrated). Standard.

❑ Left hand (terminals are inverted). Optional.
Connections must be selected same hand as controls enclosure location.

Unit Size	Outlet Duct Size C x D	W2	E	H	J
1	16 x 12 1/8 (406 x 308)	44 (1118)	21 3/8 (543)	14 (356)	1 (25)
2	16 x 12 1/8 (406 x 308)	42 (1067)	21 3/8 (543)	14 (356)	1 (25)
3	16 x 14 7/8 (406 x 378)	44 (1118)	21 3/8 (543)	18 (457)	1 1/2 (38)
4, 5	24 x 14 7/8 (610 x 378)	56 3/4 (1441)	29 3/8 (746)	18 (457)	1 1/2 (38)
6	28 x 17 1/8 (711 x 435)	62 1/2 (1588)	33 3/8 (848)	19 (483)	1 (25)

❑ Electric Coil Section Model 35SEST STEALTH

Standard Features:

- Unique hinged heater design permits 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).
- Single point electrical connection (except 600V).
- Positive pressure airflow switch.
- Flanged outlet duct connection.
- Class A 80/20 Ni/Cr wire.
- Terminal unit with coil is ETL Listed as an assembly.
- Controls mounted as standard on RH side as shown. Terminals ordered with LH controls (optional) are inverted and discharge duct hanging elevation will therefore change.

Voltage:

Single phase, 60 Hz.

❑ 120V ❑ 208V ❑ 240V ❑ 277V

Three phase, 60 Hz.

❑ 208V ❑ 480V (4 wire wye).

❑ 600V (dual point connection). ❑ _____ .

Options:

❑ Toggle disconnect switch (includes fan).
❑ SCR control.
❑ Door interlock disconnect switch.
❑ Mercury contactors.
❑ Power circuit fusing.
❑ Dust tight construction.
❑ Manual reset secondary thermal cut out.

Unit Size	Outlet Duct Size F x G	W2	K	H	M	N
1	10 1/4 x 10 1/2 (260 x 267)	44 (1118)	16 (406)	14 (356)	4 (102)	12 1/2 (318)
2	10 1/4 x 10 1/2 (260 x 267)	42 (1067)	15 1/2 (394)	14 (356)	2 1/2 (64)	12 1/2 (318)
3	10 1/4 x 10 1/2 (260 x 267)	44 (1118)	15 1/2 (394)	18 (457)	2 1/2 (64)	15 1/4 (387)
4	13 x 10 1/2 (330 x 267)	56 3/4 (1441)	21 (533)	18 (457)	5 (127)	15 1/4 (387)
5	14 1/4 x 11 3/4 (362 x 298)	55 1/2 (1410)	22 (559)	18 (457)	4 (102)	15 1/4 (387)
6	14 1/4 x 11 3/4 (362 x 298)	62 1/2 (1588)	25 (635)	19 (483)	5 (127)	15 1/4 (387)

SCHEDULE TYPE:	Page 2 of 2. Dimensions are in inches (mm).			
PROJECT:				
ENGINEER:	**DATE**	**B SERIES**	**SUPERSEDES**	**DRAWING NO.**
CONTRACTOR:	**2 - 6 - 23**	**3500**	**11 - 15 - 22**	**35SST-1**

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