UNDERFLOOR FAN BOOSTER UNIT WITH ECM MOTOR
VARIABLE OR CONSTANT VOLUME
MODELS: 38F, 38FW AND 38FE • UNIT SIZE 6

Nailor Industries Inc.

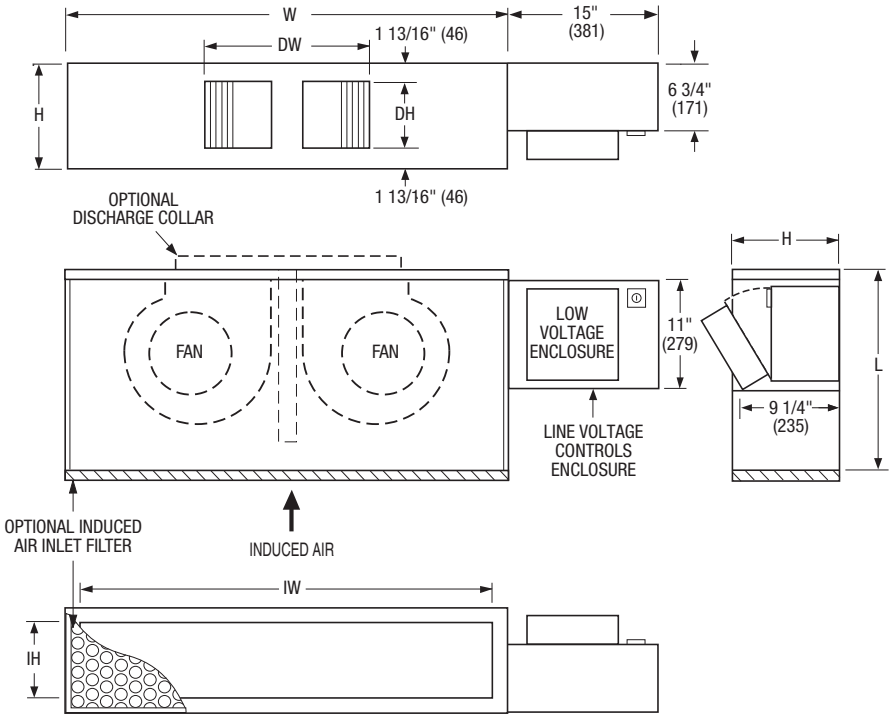
STANDARD FEATURES:

- 20 ga. (1.0) galvanized steel casing components.
- Full size top access panel.
- Enclosures for damper actuators.
- Discharge opening designed for flanged duct connection.
- 1/2" (13) dual density insulation, exposed edges coated to prevent air erosion. Meets requirements to NFPA 90A and UL181.
- Ultra-high efficiency ECM fan motor. 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.
- Top access hinged door on the line voltage/fan controls enclosure.
- Controls mounted as standard on RH side as shown. (LH controls location is optional).

OPTIONS:

- ❑ Toggle disconnect switch.
- ❑ Fiber-free liner.
- ❑ Perforated metal liner.
- ❑ Steri-liner.
- ❑ Isolator pads.
- ❑ Fan Unit fusing.
- ❑ Left hand controls location.
- ❑ Discharge collar. Flat oval transition for flexible duct connection. 14" (17 3/8" x 7 3/4").
- ❑ Special features: _____.

❑ Model 38F Basic Unit



Dimensional Data. Imperial Units (inches)

Unit Size	W	H	L	Inlet IW x IH	Outlet Discharge DW x DH	Filter Size
6	44	10 1/2	21	41 x 7 1/2	16 1/2 x 6 7/8	42 x 10

Dimensional Data. Metric Units (mm)

Unit Size	W	H	L	Inlet IW x IH	Outlet Discharge DW x DH	Filter Size
6	1118	267	533	1041 x 191	419 X 175	1067 x 254

Electrical Data

Unit Size	Motor H. P.	ECM Motor			
		Voltage	120/1/60	208/240/1/60	277/1/60
6	2@1/3	Watts	840	840	890
		FLA	10.2	5.3	5.9

FLA = Full load amperage

Dimensions are in inches (mm).

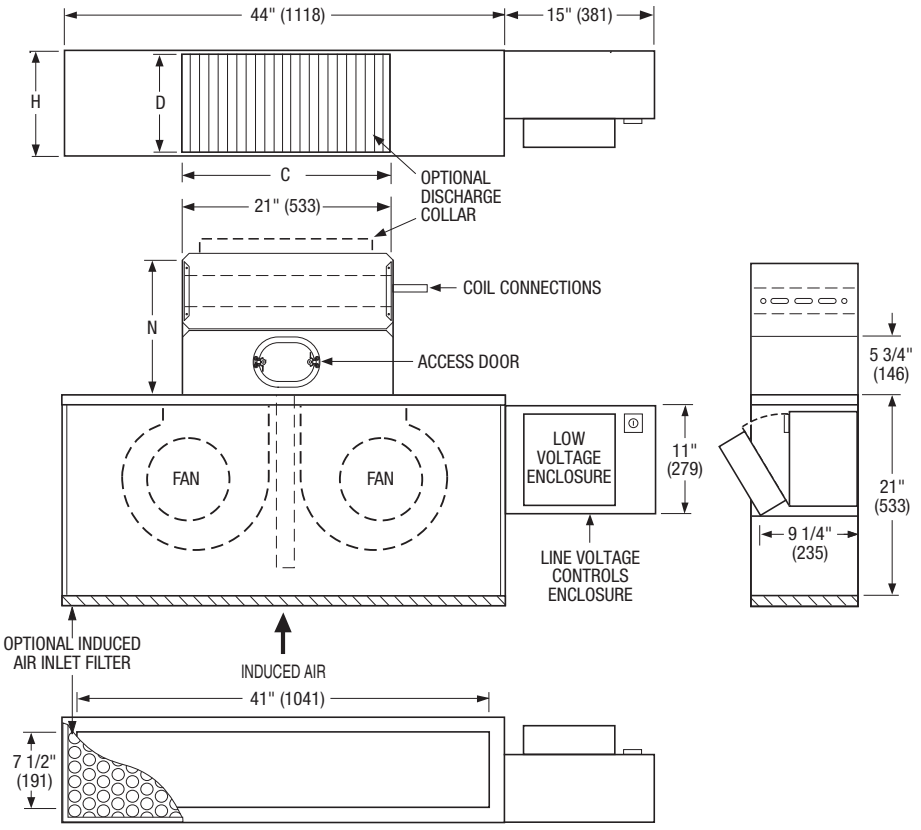
SCHEDULE TYPE:				
PROJECT:				
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR:	8 - 20 - 08	38F	8 - 13 - 07	38F-6

UNDERFLOOR FAN BOOSTER UNIT WITH ECM MOTOR

VARIABLE OR CONSTANT VOLUME • HOT WATER HEAT

MODEL: 38FW • UNIT SIZE 6

❑ Hot Water Coil Section Model 38FW



Standard Features:

- Coil section installed on unit discharge.
- 1/2" (13) copper tubes.
- Aluminum ripper fins.
- Sweat connections: One Row 1/2" (13) O.D. male solder. Two and three row 7/8" (22) O.D. male solder.
- Top access door for inspection and coil cleaning.
- Slip and drive discharge duct connection.

Unit Size	Imperial Units (inches)			Metric Units (mm)		
	Outlet Discharge C x D	H	N	Outlet Discharge C x D	H	N
6	21 x 10	10 1/2	14 1/2	533 X 254	261	368

Coil Rows:

❑ 1-Row ❑ 2-Row ❑ 3-Row

Coil Connections:

(Looking in direction of airflow).

❑ Right hand (illustrated). Standard.

❑ Left hand. Optional.

Option:

❑ Discharge collar.
14" (356) flat oval transition for flexible duct connection
17 3/8" x 7 3/4" (441 x 197).

Dimensions are in inches (mm).

SCHEDULE TYPE:				
PROJECT:				
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR:	8 - 20 - 08	38F	8 - 13 - 07	38F-6

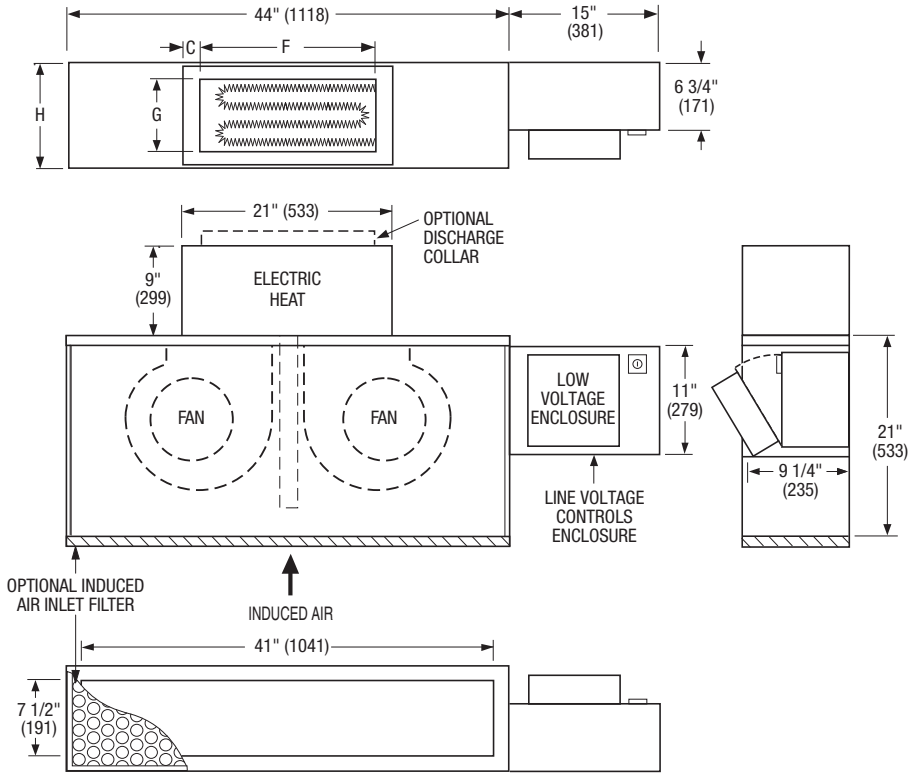
Nailor Industries Inc.

UNDERFLOOR FAN BOOSTER UNIT WITH ECM MOTOR

VARIABLE OR CONSTANT VOLUME • ELECTRIC HEAT

MODEL: 38FE • UNIT SIZE 6

❑ Electric Coil Section Model 38FE



Standard Features:

- Coil installed on unit discharge.
- Insulated heater element wrapper.
- Automatic reset high limit cut-outs (one per element).
- Flanged outlet duct connection.
- Airflow safety switch to prove airflow.
- Single point electrical connection for entire terminal unit.
- Terminal unit with heater is ETL listed as an assembly.
- Controls mounted as standard on RH side as shown.

Unit Size	Imperial Units (inches)			Metric Units (mm)		
	Outlet Discharge F x G	H	C	Outlet Discharge F x G	H	C
6	17 5/8 x 7 1/4	10 1/2	1 11/16	448 X 184	261	43

Voltage:

Single phase, 60 Hz.

❑ 208V ❑ 240V ❑ 277V

Three phase, 60 Hz.

❑ 208V ❑ 480V (4 wire wye). ❑ _____ .

Options:

- ❑ Toggle disconnect switch.
- ❑ Door interlock disconnect switch.
- ❑ Mercury contactors.
- ❑ Power circuit fusing.
- ❑ Class 'A' 80/20 Ni./Cr. Wire.
- ❑ Dust tight construction.
- ❑ Manual reset secondary thermal cut out.
- ❑ Discharge collar. 14" (356) flat oval transition for flexible duct connection 17 3/8" x 7 3/4" (441 x 197).

Dimensions are in inches (mm).

SCHEDULE TYPE:				
PROJECT:				
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