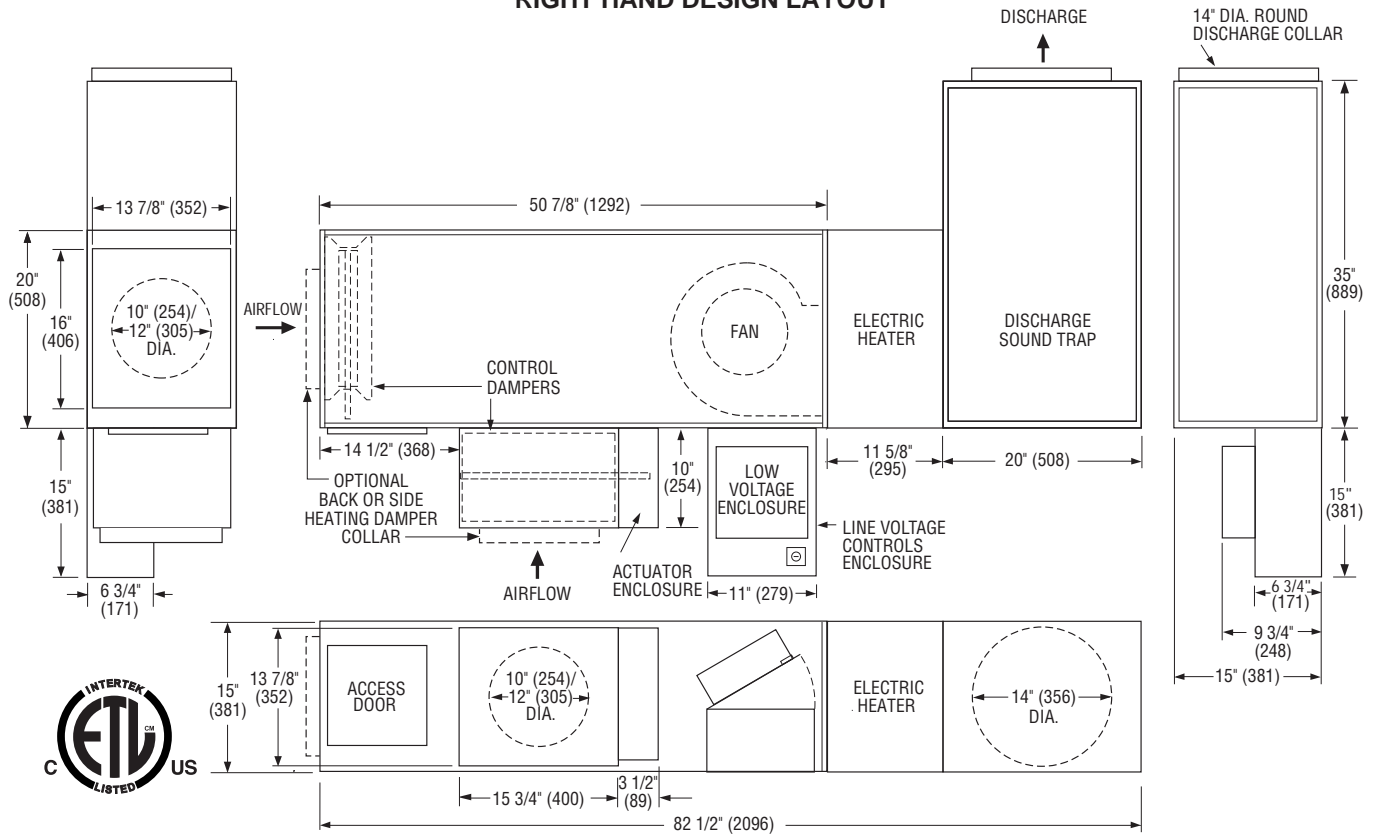




**UNDERFLOOR FAN BOOSTER UNIT WITH  
ECM MOTOR • COOLING AND HEATING  
DAMPERS • VARIABLE OR CONSTANT VOLUME  
MODEL: 38FE • UNIT SIZE: 3H HIGH CAPACITY**

**RIGHT HAND DESIGN LAYOUT**



**STANDARD FEATURES:**

- Unit incorporates two low leakage dampers for 2 position open/closed operation. One is used for supply air cooling mode airflow (from underfloor plenum) and the other for return air heating mode airflow (ducted).
- 20 ga. (1.0) galvanized steel casing components.
- Full size top access panel.
- Access door for side access to damper actuators.
- 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.

**Electrical Data**

Unit Size	Motor H.P.	ECM Motor			
		Voltage	120/1/60	208/240/1/60	277/1/60
3H	1/2	FLA	6.9	3.6	3.1

FLA = Full load amperage

- Controls mounted on RH side as shown.
- Discharge collar for flexible duct connection. 14" (356) dia.

**Options:**

- Heating damper collar on return inlet for flexible duct connection (back or side location). 10" (254) or 12" (305) dia.
- Toggle disconnect switch.
- Fiber-free liner.
- Perforated metal liner.
- Steri-liner.
- Isolator pads.
- Fan Unit fusing.
- Special features: \_\_\_\_\_.

**ELECTRIC COIL FEATURES:**

- Coil installed on unit discharge.
- Insulated heater element wrapper.
- Automatic reset high limit cut-outs (one per element).
- Airflow safety switch to prove airflow.
- Single Point electrical connection for entire terminal unit.
- Terminal unit with heater is ETL listed as an assembly.

**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.
- Special features: \_\_\_\_\_.

SCHEDULE TYPE:	
PROJECT:	
ENGINEER:	
CONTRACTOR:	

Dimensions are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
8 - 20 - 08	38F	NEW	38FE-3HDRH