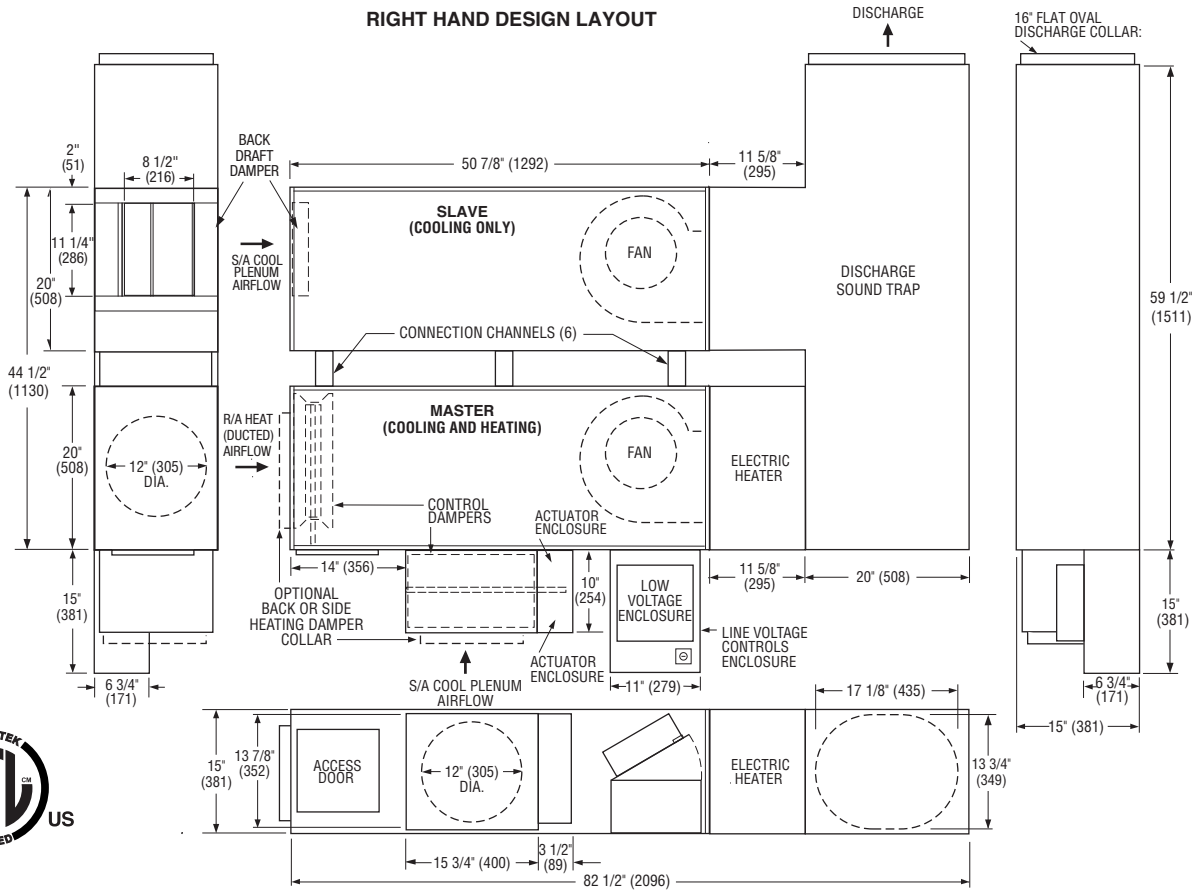




# UNDERFLOOR FAN BOOSTER UNIT WITH ECM MOTOR • COOLING AND HEATING DAMPERS • VARIABLE OR CONSTANT VOLUME MODELS: 38FE • UNIT SIZE 33H HIGH CAPACITY



### STANDARD FEATURES:

- 20 ga. (1.0) galvanized steel casing components.
- Dual fan operation on cooling.
- Single fan operation on heating. Backdraft damper on slave cooling unit inlet prevents back flow during heating.
- Unit incorporates two low leakage dampers for 2 position open/closed operation. One is used for supply air cooling mode airflow (from underfloor plenum along with slave) and the other for return air heating mode airflow (ducted).
- 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.

### Electrical Data

| Unit Size | Motor H.P. | ECM Motor |          |              |          |
|-----------|------------|-----------|----------|--------------|----------|
|           |            | Voltage   | 120/1/60 | 208/240 1/60 | 277/1/60 |
| 3H        | 2@1/2      | FLA       | 13.9     | 7.2          | 6.2      |

FLA = Full load amperage

- Single point electrical connection.
- Top access hinged door on the line voltage/fan controls enclosure.
- Controls mounted as standard on RH side as shown.
- Discharge collar. Flat oval for flexible duct connection. 16" (17 1/8" x 13 3/4")

### Options:

- Heating damper collar for flexible duct connection (back or side location). 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).
- 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.

### 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: \_\_\_\_\_.

Dimensions are in inches (mm).

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

DATE

B SERIES

SUPERSEDES

DRAWING NO.

8 - 20 - 08

38F

NEW

38FE-33HDRH