



**UNDERFLOOR FAN BOOSTER UNIT WITH
ECM MOTOR
SHORT CASING
MODELS: 38F, 38FW & 38FE • UNIT SIZE 3S**

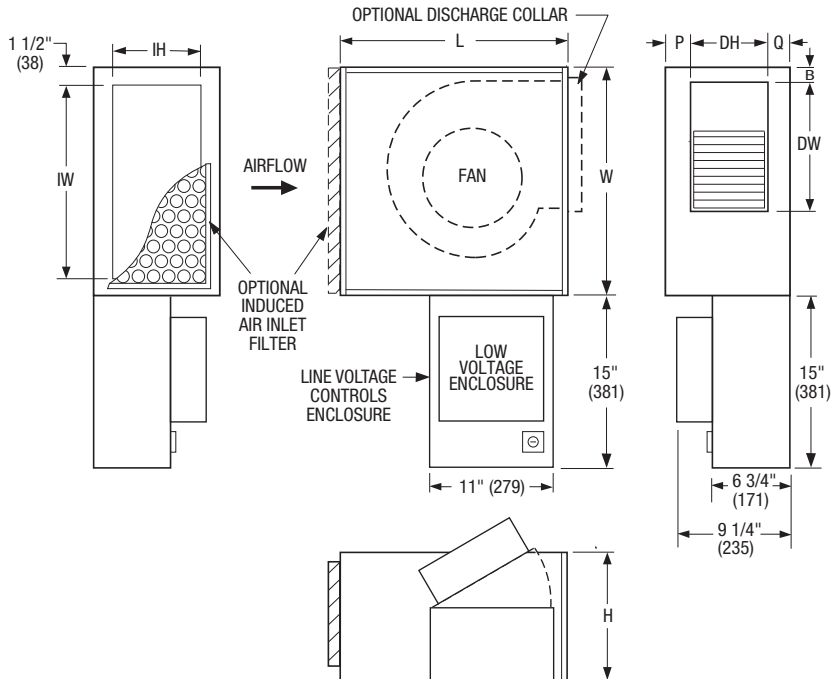
STANDARD FEATURES:

- Shorting casing design saves space and allows unit fan to be accessed through a single floor tile.
- 20 ga. (1.0) galvanized steel casing components.
- Full size top access panel.
- 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. Terminals ordered with LH controls (optional) are inverted and discharge duct location/elevation will therefore change.

OPTIONS:

- Filter frame and 1" (25) disposable filter.
- Toggle disconnect switch.
- Fiber-free liner.
- Perforated metal liner.
- Steri-liner.
- Isolator pads.
- Fan unit fusing.
- Left hand controls location.
- Discharge collar.
12" flat oval for flexible duct connection 14 1/4" x 7 3/4" (362 x 197).
- Special features: _____.

Model 38F Basic Unit



Dimensional Data. Imperial Units (inches)

| Unit Size | W | H | L | B | P | Q | Inlet IW x IH | Outlet Discharge DW x DH | Filter Size |
|-----------|----|----|----|-------|---|---|---------------|--------------------------|-------------|
| 3S | 20 | 11 | 20 | 1 3/8 | 2 | 2 | 17 x 8 | 11 1/4 x 7 | 19 x 10 |

Dimensional Data. Metric Units (mm)

| Unit Size | W | H | L | B | P | Q | Inlet IW x IH | Outlet Discharge DW x DH | Filter Size |
|-----------|-----|-----|-----|----|----|----|---------------|--------------------------|-------------|
| 3S | 508 | 279 | 508 | 35 | 51 | 51 | 432 x 203 | 286 x 178 | 483 x 254 |

Electrical Data

| Unit Size | Motor H.P. | ECM Motor | | | |
|-----------|------------|-----------|----------|--------------|----------|
| | | Voltage | 120/1/60 | 208/240/1/60 | 277/1/60 |
| 3S | 1/3 | Watts | 410 | 400 | 430 |
| | | FLA | 5.7 | 2.8 | 3.1 |



FLA = Full load amperage

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Page 1 of 2.
Dimensions are in inches (mm).

| DATE | B SERIES | SUPERSEDES | DRAWING NO. |
|-------------|----------|-------------|-------------|
| 8 - 20 - 08 | 38F | 8 - 13 - 07 | 38F-2 |



**UNDERFLOOR FAN BOOSTER UNIT WITH
ECM MOTOR
SHORT CASING • HEAT ACCESSORIES
MODELS: 38FW & 38FE • UNIT SIZE 3S**

**Hot Water Coil Section
Model 38FW**

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: One Row 1/2" (13) O.D. male solder. Two and three row 7/8" (22) O.D. male solder.
- Top access panel for inspection and coil cleaning.
- Flanged outlet duct connection.

Coil Rows:

- 1-Row 2-Row 3-Row

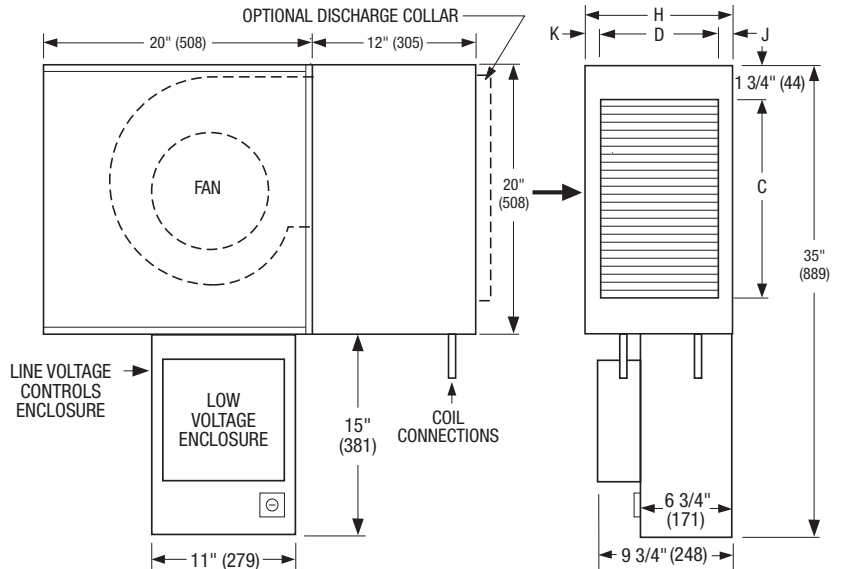
Coil Connections:

(Looking in direction of airflow).

- Right hand (illustrated). Standard.
 Left hand. Optional.

Option:

- Discharge collar for flexible duct
(see page 1 for dimensional data).



| Unit Size | Imperial Units (inches) | | | Metric Units (mm) | | | | |
|-----------|-------------------------|----|-------|-------------------|------------------------|-----|----|----|
| | Outlet Discharge C x D | H | J | K | Outlet Discharge C x D | H | J | K |
| 3S | 14 3/4 x 8 3/4 | 11 | 1 1/8 | 1 1/8 | 375 x 222 | 278 | 29 | 29 |

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 RHS as shown.

Voltage:

Single phase, 60 Hz. 208V 240V 277V

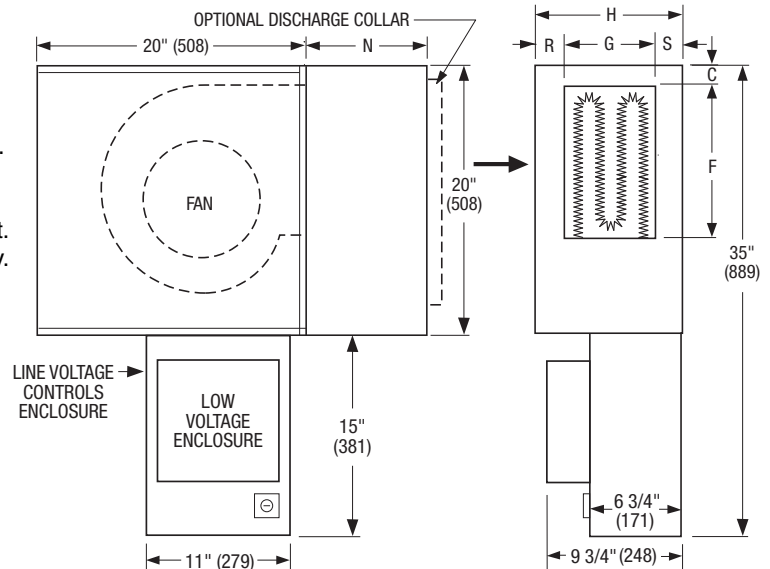
Three phase, 60 Hz. (Unit Size 3 and 5 only)

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 for flexible duct
(see page 1 for dimensional data).



| Unit Size | Imperial Units (inches) | | | | | | Metric Units (mm) | | | | | |
|-----------|-------------------------|----|---|---|-------|-------|------------------------|-----|-----|----|----|----|
| | Outlet Discharge F x G | H | N | C | R | S | Outlet Discharge F x G | H | N | C | R | S |
| 3S | 11 x 7 3/4 | 11 | 9 | 1 | 1 5/8 | 1 5/8 | 279 x 197 | 278 | 229 | 25 | 41 | 41 |

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Page 2 of 2.
Dimensions are in inches (mm).

DATE

B SERIES

SUPERSEDES

DRAWING NO.

8 - 20 - 08

38F

8 - 13 - 07

38F-2