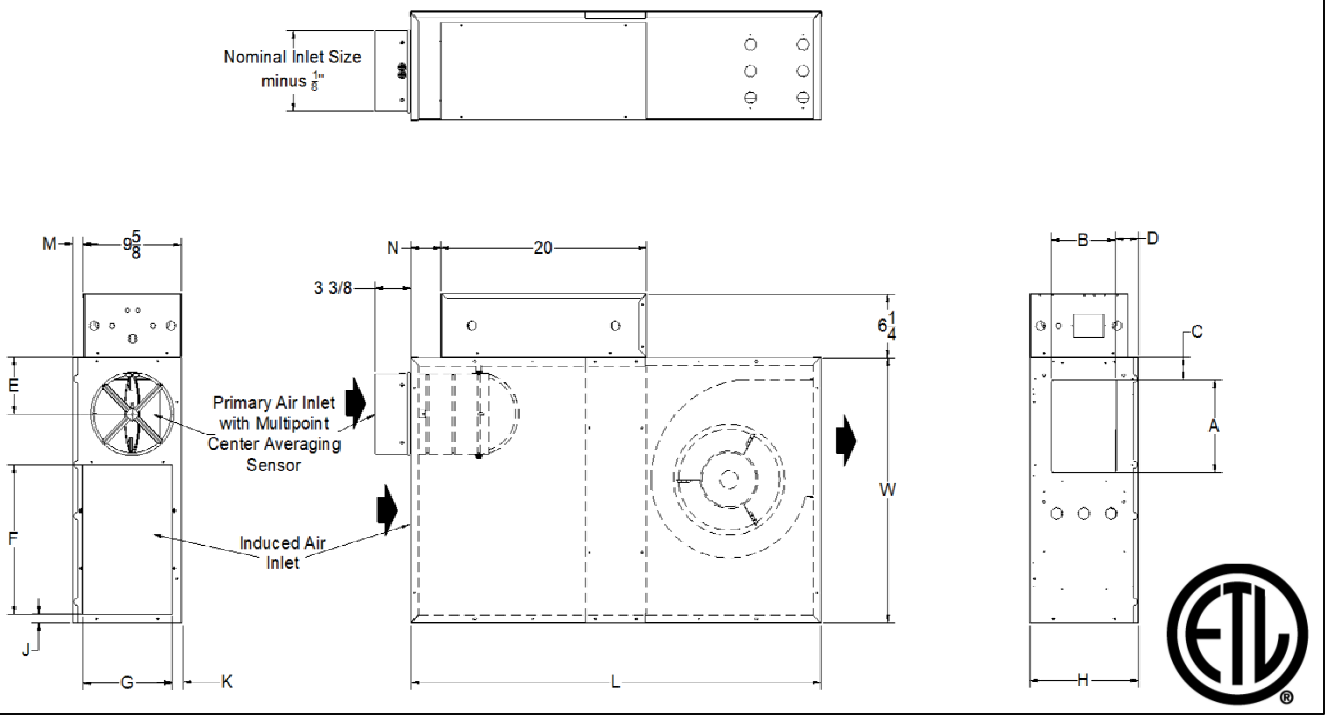
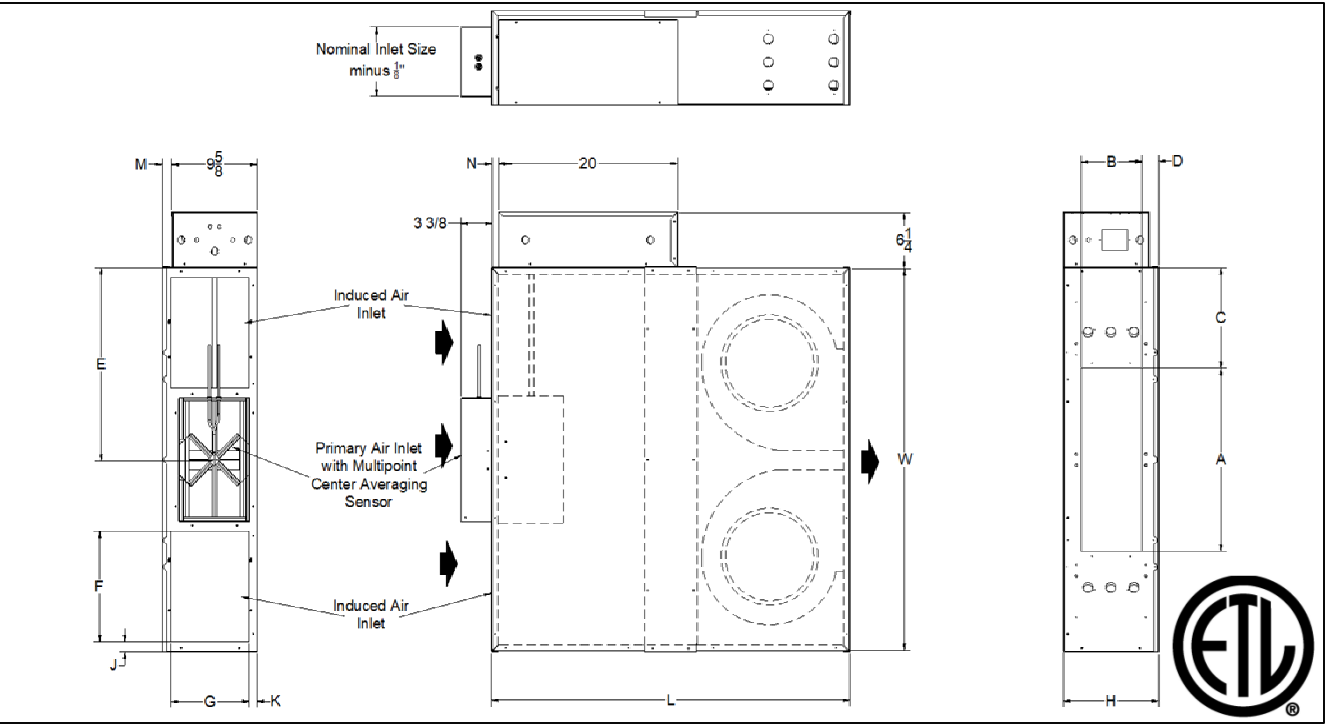
DFLS

Fan Powered Terminal, Series Flow with ECM Motor
Direct Digital Control, Pressure Independent, Low Profile

Size 3



Size 4



Left hand unit, top views shown. All dimensions are in inches. The Induced Air Inlets on unit size 4 are the same size.

Unit Size	Inlet Size	A	B	C	D	E	F	G	H	J	K	L	M	N	W
3	8" Diameter	9	6 1/4	2 1/4	2 1/4	5 5/8	14 5/8	8 3/4	10 1/2	7/8	1 1/8	40 1/4	1	3	26
4	16" w x 8" h	20 1/2	6 3/4	11 1/4	1 7/8	21 5/8	10 3/8	8 3/4	10 1/2	1 1/8	7/8	40 1/4	1 1/8	3/4	43

ECM Motor Amperage Ratings

Unit Size	Motor hp	120V/1/60 FLA	208V/1/60 FLA	277V/1/60 FLA
3	1/3	5.0	3.3	2.6
4	2@ 1/3	10.0	6.6	5.2

FLA = Full Load Amperage, rated per the motor nameplate

All fan motors are single phase, same voltage as electric coil (when supplied), with exception that 277 V motors are used with 480V, 3 phase coils (4 wire wye).

Accessories (Optional)

Check ☑ if provided.

- ☐ Induced Air Filter, 1" thick, disposable construction type.
- ☐ Toggle disconnect switch (not available on units with optional electric coils.)
- ☐ Fibre Free Liner
- ☐ ½" Fibre Free Liner
- ☐ ½" EcoShield Liner
- ☐ Foil Face Liner
- ☐ Fan unit fusing
- ☐ _____

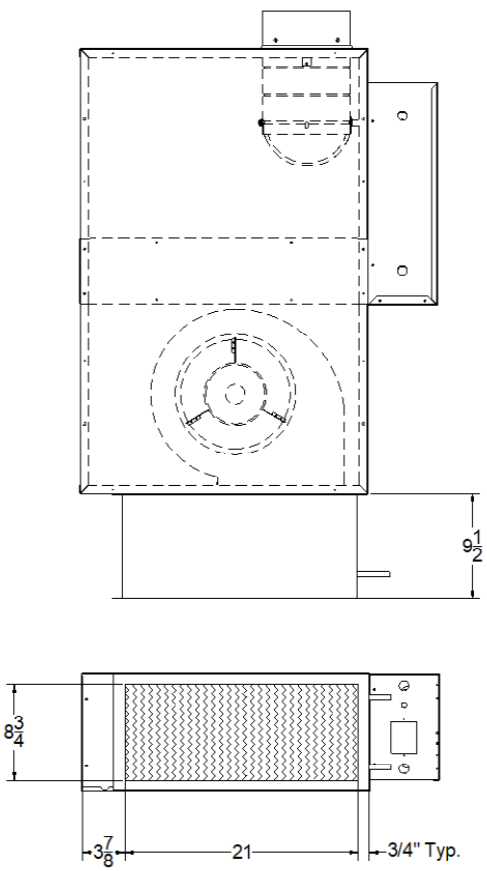
Accessories (Optional)

☐ Hot Water Coil Section

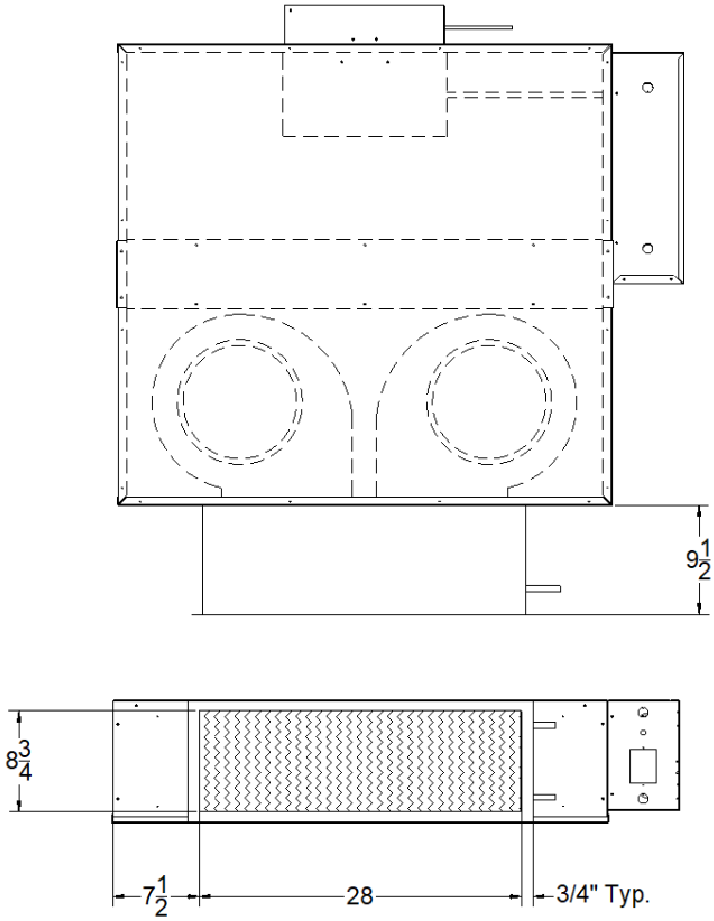
- 1/2" copper tubes
- Aluminum ripple fins, 10 per inch
- Connections: Male solder, 1/2" for 1 row, 5/8" for 2 row
- Coils rated and certified to AHRI Standard 410

☐ 1 Row
☐ 2 Row

Unit Size 3



Unit Size 4



Accessories (Optional)

☐ Electric Coil Section ☐ Optional SCR Controlled Electric Heater ☐ Optional Lynergy Controlled Electric Heater

Standard Features

- Single side access to low voltage, high voltage, and electric heater controls.
- Automatic reset thermal cutouts, one per element
- Single point electrical connection for entire unit
- Positive pressure flow switch
- Transformer

Options

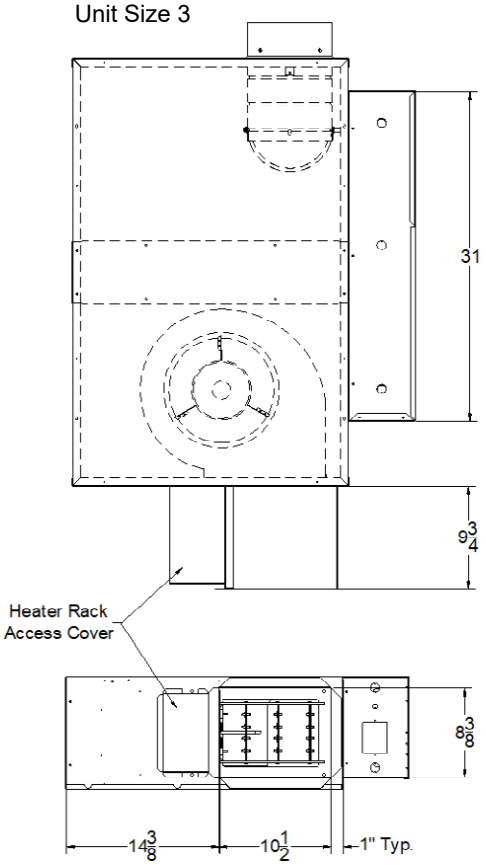
- ☐ Mercury Contactor
- ☐ Fuse Block
- ☐ Disconnect switch, door interlock type
- ☐ Manual reset cutout
- ☐ Dust tight construction

Supply Voltage

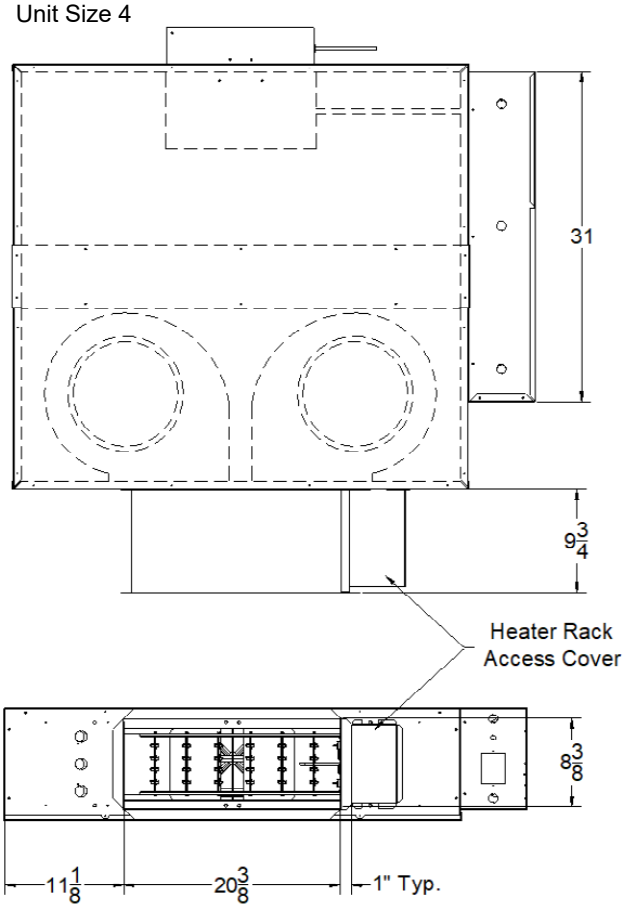
- ☐ 208V, 1 ph, 60Hz
- ☐ 240V, 1 ph, 60Hz
- ☐ 277V, 1 ph, 60Hz
- ☐ 208V, 3 ph, 60Hz
- ☐ 480V, 3 ph, 60Hz *

*4 wire wye only

Unit Size 3



Unit Size 4



General Description

- Heavy steel casing, with leak resistant construction.
- Dual density insulation, coated to prevent air erosion, meet requirements of NFPA 90A and UL 181.
- Bottom access panel can be removed for service.
- Ultra high efficiency, brushless DC ECM motor with a unique microprocessor based motor controller.
- Manual PWM controller allows simple screwdriver adjustment of fan speed.
- Remote PWM controller allows for a 0-10 v signal from the DDC controller to adjust the fan speed.
- Efficiencies of up to 70% across the entire operating range.
- Constant volume regardless of changes in downstream static pressure allows for factory setting of cfm.
- Pressure independent primary flow control.
- Multipoint, center averaging velocity sensor.
- Primary air flow balancing connections.
- Single point electrical connections.
- Rectangular discharge opening is designed for flanged duct connections.

This submittal is meant to demonstrate general dimensions of this product. The drawings are not meant to detail every aspect of the product. Drawings are not to scale. Titus reserves the right to make changes without written notice.

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