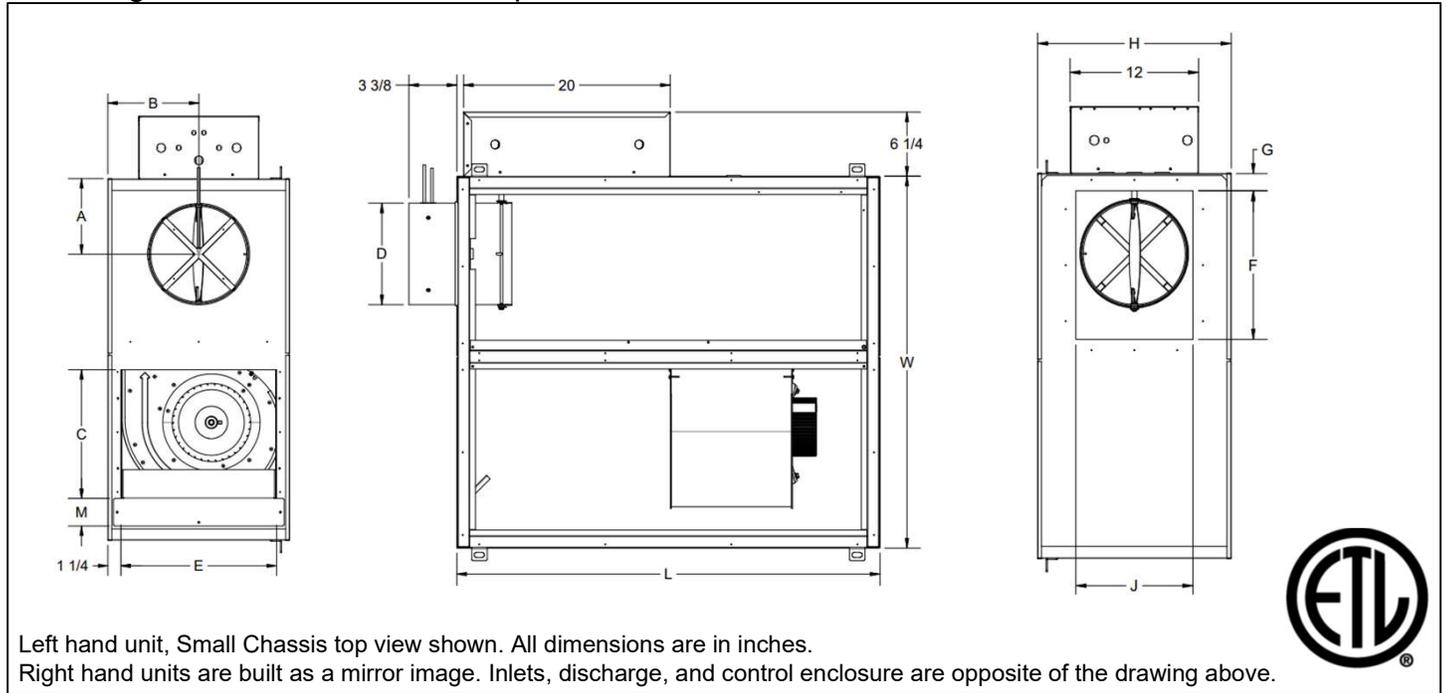


PFB

Fan Powered Terminal, Parallel Flow
Direct Digital Control, Pressure Independent



Left hand unit, Small Chassis top view shown. All dimensions are in inches.
Right hand units are built as a mirror image. Inlets, discharge, and control enclosure are opposite of the drawing above.

Unit Size	Inlet Size	A	B	C	D	E	F	G	H	J	K	L	W	M	Filter Size
B	6	5 1/2	9	15	5 7/8	15 1/2	13 3/4	1 1/2	18	10 3/4		41	36 1/8	2 1/2	17 x 17
	8	6 1/2			7 7/8										
	10	7 1/2			9 7/8										
C	6	5 1/2	10 1/2	15	5 7/8	18	16 1/2	9 1/2	21	14 1/2		41	38 1/8	4	19 x 20
	8	6 1/2			7 7/8										
	10	7 1/2			9 7/8										
D	10	7 1/2	10 1/2	15	9 7/8	18	16 1/2	9 1/2	21	14 1/2		41	38 1/8	4	19 x 20
	12	8 1/2			11 7/8										
	14	9 1/2			13 7/8										
E	10	7 1/2	10 1/2	15	9 7/8	18	16 1/2	9 1/2	21	14 1/2		41	38 1/8	4	19 x 20
	12	8 1/2			11 7/8										
	14	9 1/2			13 7/8										

ECM Motor Amperage Ratings

Unit Size	Motor hp	120/1/60 FLA	208/240/1/60 FLA	277/1/60 FLA
B	1/3	5.0	2.8	2.6
C	1/2	7.7	4.3	4.1
D	3/4	9.6	6.8	5.5
E	1	12.8	9.1	6.9

PSC Motor Amperage Ratings

Unit Size	Motor hp	120/1/60 FLA	208/240/1/60 FLA	277/1/60 FLA
B	1/6	3.0	1.4	1.0
C	1/3	7.4	3.0	2.6
D	1/2	8.3	4.1	3.4
E	3/4	11.2	5.3	4.5

FLA = Full Load Amperage, as tested in accordance with UL 60335

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
- Fan disconnect switch (not available on units with optional electric coils.)
- Fibre Free Liner
- SteriLoc Liner
- 1/2" EcoShield Liner
- 1/2" EcoShield Liner (Foil Face)
- 1/2" Fibre Free Liner
- UltraLoc Liner
- Fan unit fusing
- 1" Fiberglass Liner
- 1" EcoShield Liner
- 1" EcoShield Liner (Foil Face)
- 1" Fibre Free Liner
- Hanger Brackets
- Cam Latch for Access Door

Accessories (Optional)

Hot Water Coil Section (Induced air side)

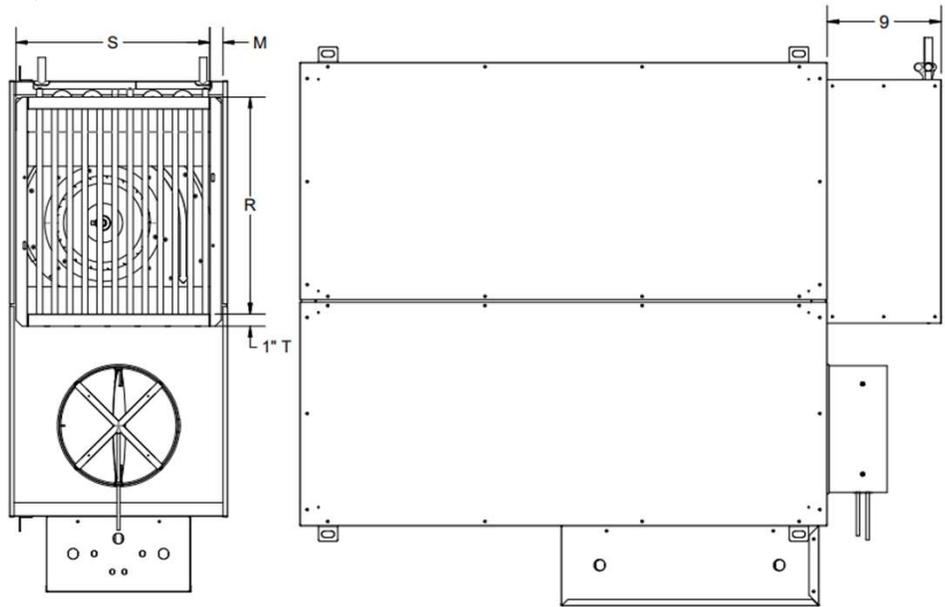
- 1/2" internal circuit tubes
- Aluminum ripple fins, 10 per inch
- Connections: 5/8" OD Male solder for both 1-row and 2-row. Right hand connections only on left hand units. Left hand only on right hand units.
- Galvanized steel casing
- Flanged duct connection.
- Coil is installed at induced air inlet.

Water Coil Location

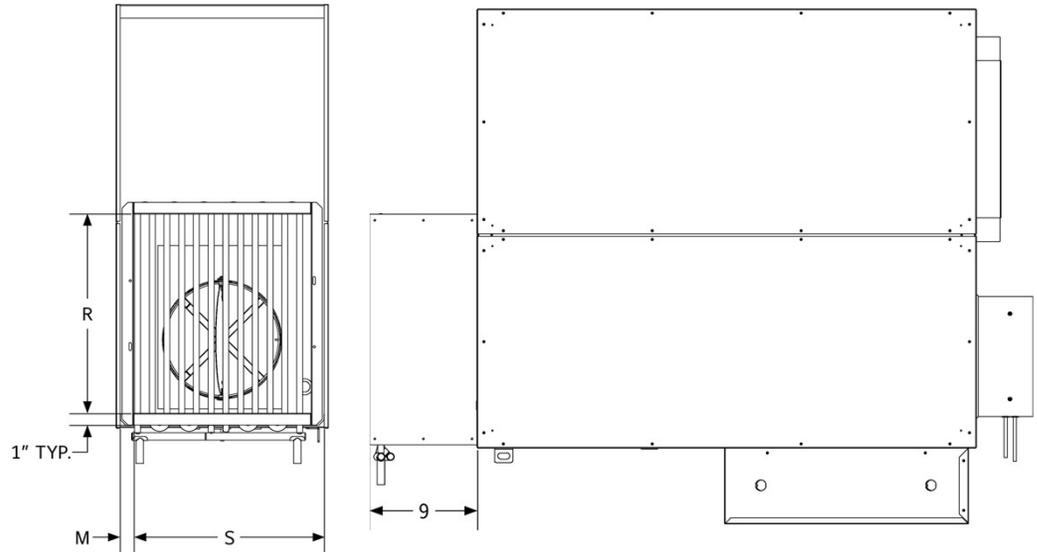
Induction Port Discharge

1 Row

2 Row



Induction Water Coil



Discharge Water Coil

Unit Size	M (1 row)	M (2 row)	R	S
B, C	1	1 1/4	17	15
D, E	1 1/8	1 1/8	17 1/4	17 1/2

R and S are inside dimensions.

- Staged Electric Coil
 Lynergy SCR Controlled Electric Heater
 SCR Controlled Electric Heater

Standard Features

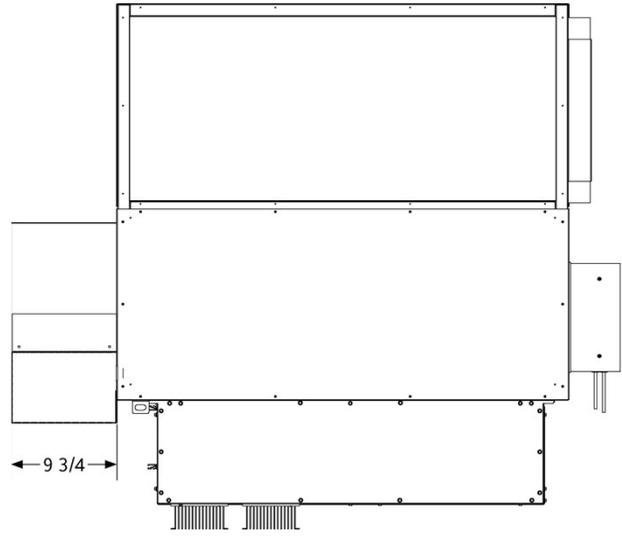
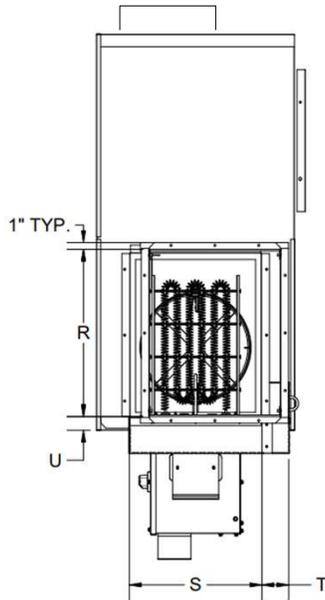
- Single side access to low voltage, high voltage, and electric heater controls.
- Automatic reset thermal cutouts, one per element
- Single point electrical connection for entire unit
- Positive pressure flow switch
- Flanged duct connection
- Coil is installed at discharge of unit.
- Transformer

Options

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

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)

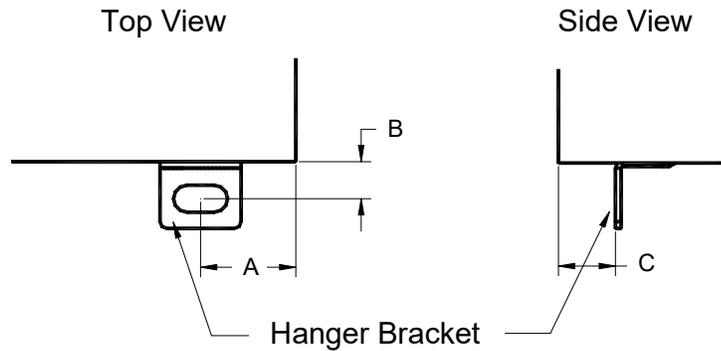


Unit Size	U	R	S	T
B, C	1 1/8	15	12	3
D, E	1 1/8	17 1/2	15 1/2	2 3/4

R and S are inside dimensions.

Accessories (Optional)

Hanger Bracket Location



Unit Size	A	B	C
B	1 5/8	5/8	3/4
C	1 3/4	5/8	1
D	1 3/4	5/8	1
E	1 1/2	1/2	1/8

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.
- ECM: Ultra high efficiency, brushless DC ECM motor with a unique microprocessor based motor controller.
- ECM: Manual PWM controller allows simple screwdriver adjustment of fan speed.
- ECM: Remote PWM controller allows for a 0-10 V signal from the DDC controller to adjust the fan speed.
- ECM: Efficiencies of up to 70% across the entire operating range.
- ECM: Provides a large turndown ratio
- PSC: Adjustable SCR fan speed control with minimum voltage stop
- Constant volume regardless of changes in downstream static pressure allows for factory setting of cfm.
- Bottom access panels can be removed for service.
- Multipoint, center averaging velocity sensor.
- Primary air flow balancing connections.
- Optional filter rack is located on the induction port with filter sliding in from side away from primary air.
- Pressure independent primary flow control.
- 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.