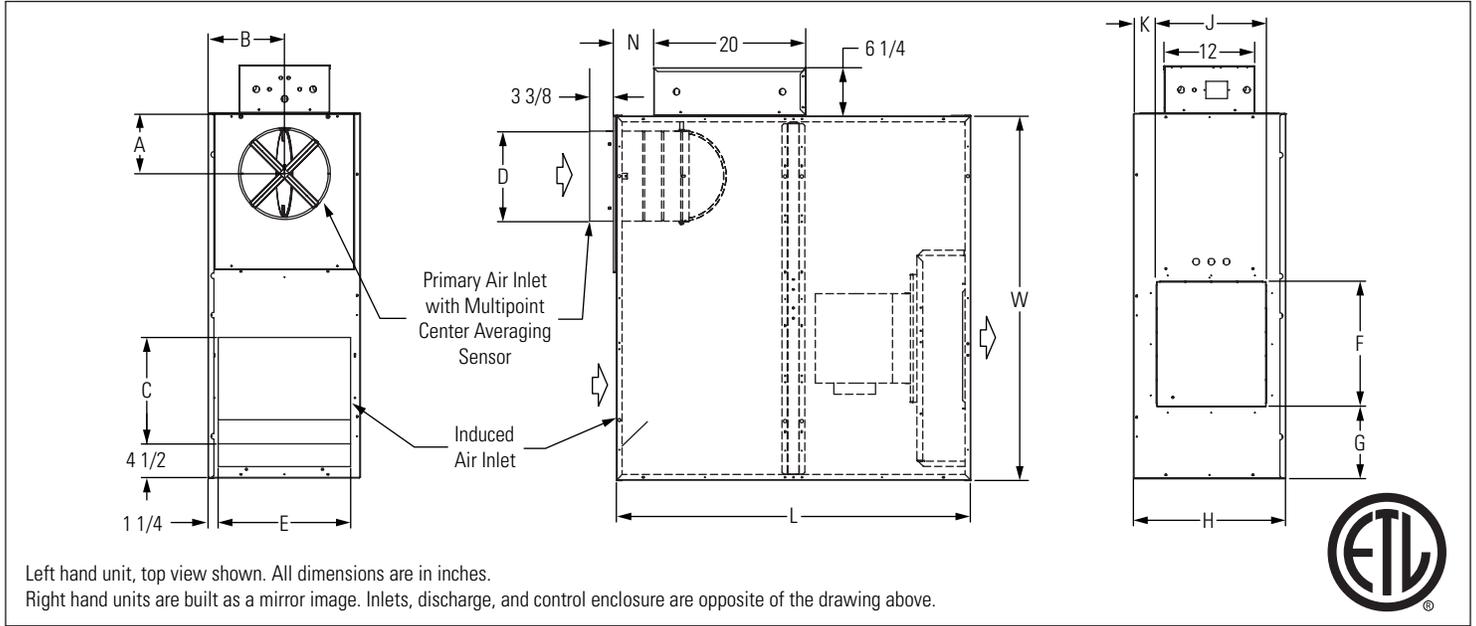
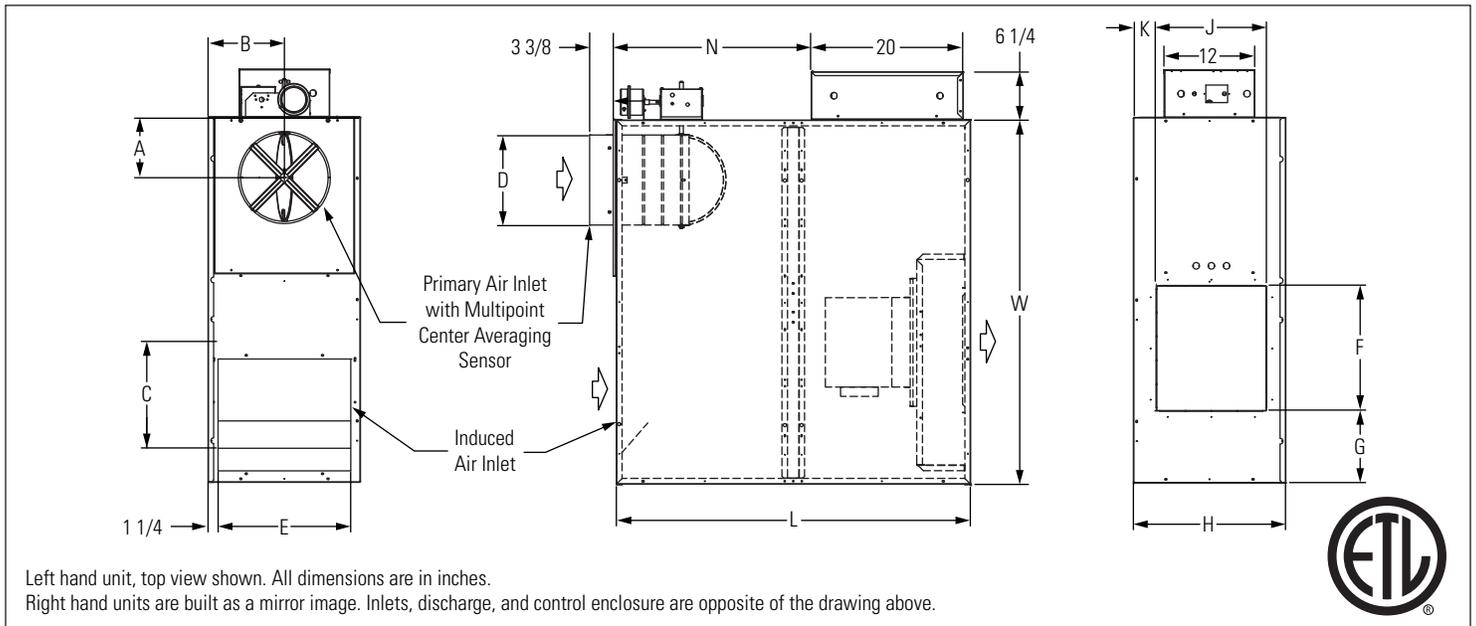


TQS

Fan Powered Terminal, Series Flow with ECM Motor
 Analog Control & Direct Digital Control, Pressure Independent



Fan Powered Terminal, Series Flow
 Pneumatic Control, Pressure Independent



Analog Control & Direct Digital Control, Pressure Independent

Unit Size	Inlet Size	A	B	C	D	E	F	G	H	J	K	L	N		W	Filter Size
													(Analog & Direct Digital Control)	(Pneumatic Control)		
2, 3	6	6	8 9/16	13 1/4	5 7/8	14 1/2	14	3 1/2	17 1/8	11	4	40 7/8	2 7/8	20 1/8	36 1/8	19 x 17
	8	6			7 7/8								2 7/8			
	10	7			9 7/8								4 7/8			
	12	8			11 7/8								4 7/8			
4	8	6	8 9/16	13 1/4	7 7/8	14 1/2	14	3 1/2	17 1/8	11	4	40 7/8	2 7/8	20 1/8	36 1/8	19 x 17
	10	7			9 7/8								4 7/8			
	12	8			11 7/8								4 7/8			
	14	10			13 7/8								6 7/8			
5	10	7	10 1/16	21	9 7/8	17 1/2	16 1/2	9 1/2	20 1/8	14 1/2	2 1/2	46 7/8	4 7/8	26 1/4	48 1/8	27 x 20
	12	8			11 7/8								4 7/8			
	14	10			13 7/8								6 7/8			
	16	11			15 7/8								6 7/8			
6	12	8	10 1/16	21	11 7/8	17 1/2	16 1/2	9 1/2	20 1/8	14 1/2	2 1/2	46 7/8	4 7/8	26 1/4	48 1/8	27 x 20
	14	10			13 7/8								6 7/8			
	16	11			15 7/8								6 7/8			
7	14	10	10 1/16	21	13 7/8	17 1/2	16 1/2	9 1/2	20 1/8	14 1/2	2 1/2	46 7/8	6 7/8	26 1/4	48 1/8	27 x 20
	16	11			15 7/8								6 7/8			

PSC Motor Amperage Ratings

Unit Size	Motor hp	120V/1/60 FLA	208/240V/1/60 FLA	277V/1/60 FLA
2	1/6	4.0	1.8	1.3
3	1/4	7.0	3.0	2.4
4	1/3	9.8	4.1	2.9
5	1/3	10.0	4.3	3.3
6	3/4	13.4	7.2	5.4
7	1	N/A	9.0	6.5

FLA = Full Load Amperage, as tested in accordance with UL 1995.

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).

ECM Motor Amperage Ratings

Unit Size	Motor hp	120V/1/60 FLA	208V/1/60 FLA	277V/1/60 FLA
4	1/2	7.7	5.0	4.1
6	1	12.8	10.5	6.9

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.
- Fan disconnect switch (not available on units with optional electric coils.)
- Fibre Free Liner
- SteriLoc Liner
- Hanger Brackets
- Cam Latch for Access Door
- Ultraloc Liner
- Fan unit fusing

Analog & Pneumatic Control specific

- 1/2" EcoShield Liner
- 1/2" EcoShield Liner (Foil Face)
- 1" Fiberglass Liner
- 1" EcoShield Liner
- 1" EcoShield Liner (Foil Face)
- 1" Fibre Free Liner

Accessories (Optional)

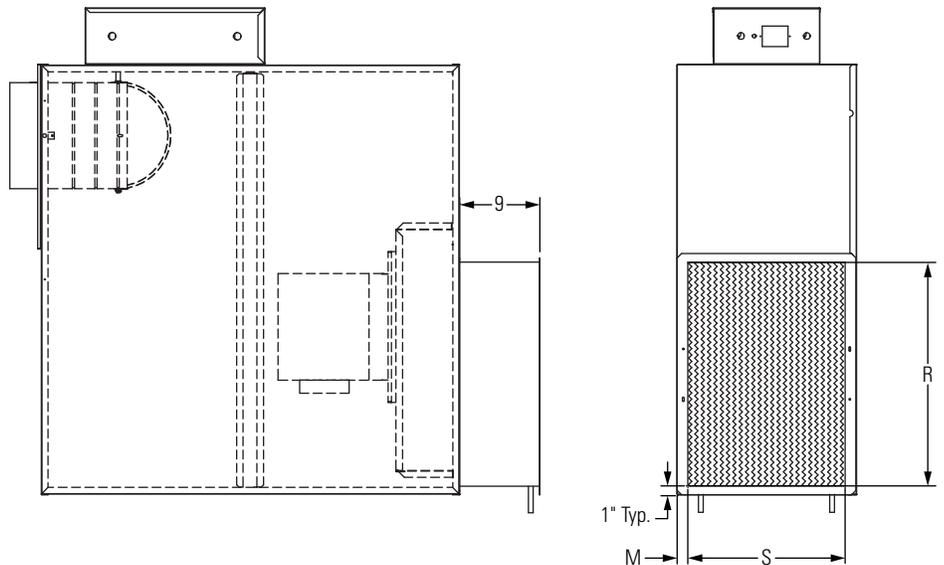
Analog Control & Direct Digital Control

Hot Water Coil Section

- 1/2" copper tubes
- Aluminum ripple fins, 10 per inch
- Connections: Male solder, 5/8" for both 1-row and 2-row. Left hand or right hand connections
- Galvanized steel casing
- Flanged duct connection
- Coil is installed on discharge of unit

1 Row

2 Row



Unit Size	M (1 row)	M (2 row)	R	S
2, 3, 4	1	1 1/4	17	15
5, 6, 7	1	1 1/4	25	17 1/2

R and S are inside dimensions.

Electric Coil Section

Optional SCR Controlled Electric Heater

Optional Lynergy Controlled Electric Heater (for Direct Digital Control only)

Standard Features

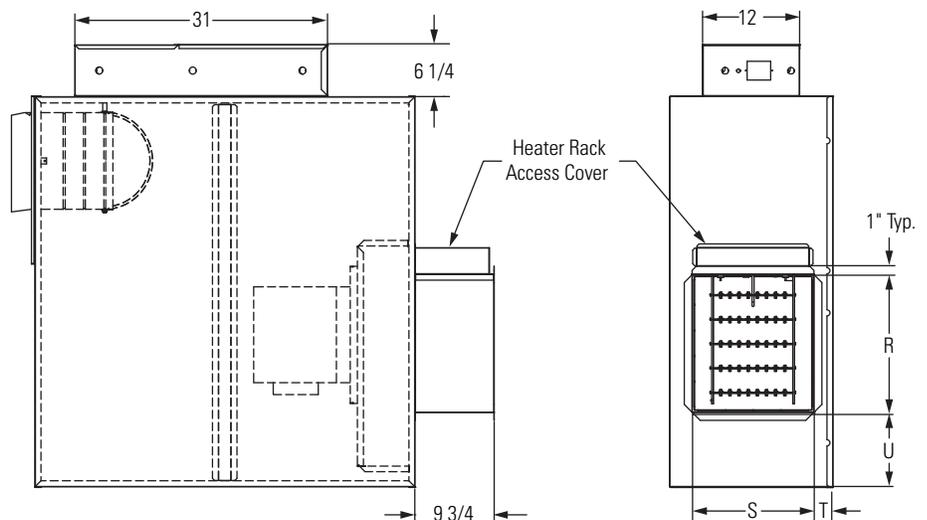
- Single side access to low voltage, high voltage, and electric heater controls.
- Automatic reset thermal cutouts, one per element
- Single point electrical connection for entire unit
- Positive pressure flow switch
- Flanged duct connection
- Coil is installed at discharge of unit.
- Transformer

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
2, 3, 4	3 1/2	14	11	2 1/8
5, 6, 7	9 1/2	16 1/2	14 1/2	3 1/8

R and S are inside dimensions.

Accessories (Optional)

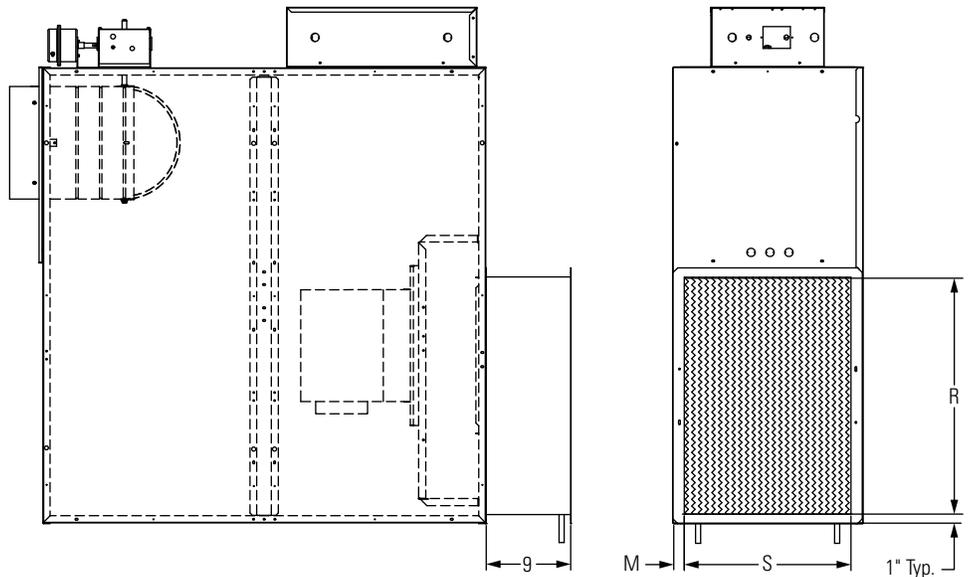
Pneumatic Control

Hot Water Coil Section

- 1/2" copper tubes
- Aluminum ripple fins, 10 per inch
- Connections: Male solder, 5/8" for both 1-row and 2-row. Left hand or right hand connections
- Galvanized steel casing
- Flanged duct connection
- Coil is installed on discharge of unit

1 Row

2 Row



Unit Size	M (1 row)	M (2 row)	R	S
2, 3, 4	1	1 1/4	17	15
5, 6, 7	1	1 1/4	25	17 1/2

R and S are inside dimensions.

Electric Coil Section

Standard Features

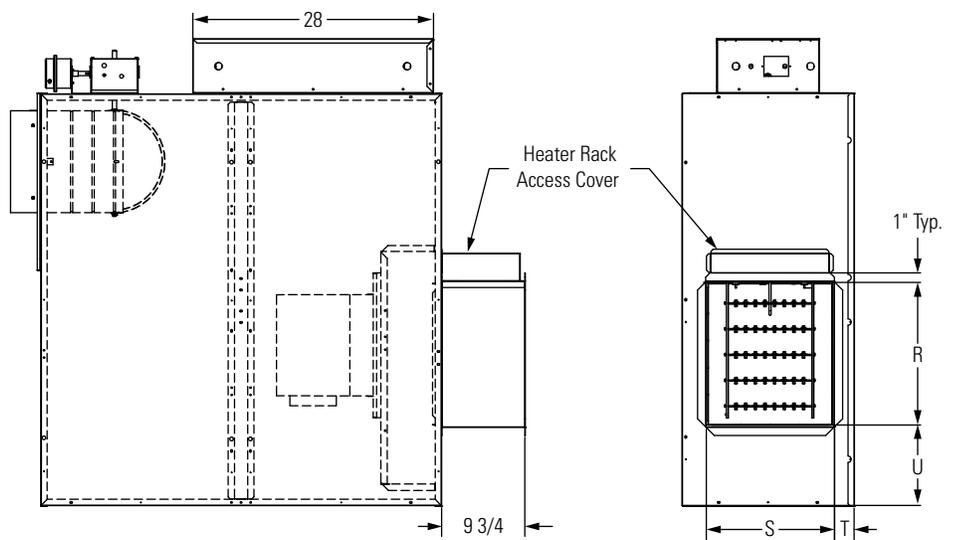
- Single side access to low voltage, high voltage, and electric heater controls.
- Automatic reset thermal cutouts, one per element
- Single point electrical connection for entire unit
- Positive pressure flow switch
- Flanged duct connection
- Coil is installed at discharge of unit.

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
2, 3, 4	3 1/2	14	11	2 1/8
5, 6, 7	9 1/2	16 1/2	14 1/2	3 1/8

R and S are inside dimensions.

Unit size 414 is not available with electric heat.

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 panels can be removed for service.
- Multipoint, center averaging velocity sensor.
- Primary air flow balancing connections.

PSC Only

- Energy efficient fan motor, permanent split capacitor type, mounted in vibration isolators.
- Adjustable SCR fan speed control with minimum voltage stop.

- Pressure independent primary flow control.
- Single point electrical connections.
- Rectangular discharge opening is designed for flanged duct connections.

ECM Only

- Ultra high efficiency, brushless DC ECM motor with a unique microprocessor based motor controller mounted in vibration isolators.
- 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.

Analog Control Specific

- Electronic proportional room thermostat with adjustable setpoints for temperature and airflow is included with unit.
- Minimum and maximum airflow adjustments are made at the thermostat, using a digital voltmeter.

- Efficiencies of up to 70% across the entire operating range.
- Provides a large turndown ratio
- Constant volume regardless of changes in downstream static pressure allows for factory setting of cfm.

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.