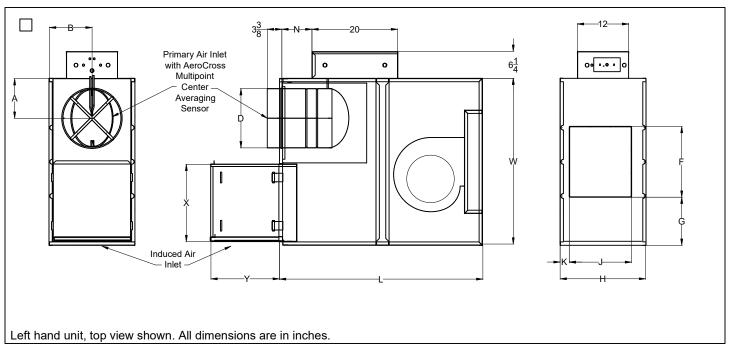
TFS-F Fantom IQ[™]

Ultra Quiet Fan Powered Terminal, Series Flow Direct Digital, Analog Control (DTFS, ATFS), Pressure Independent



Unit Size	Inlet Size	Α	В	Х	Υ	D	Induced Height	Air Inlet Width	F	G	Н	J	K	L	N	W	Filter Size
В	6 8 10 12	6 6 7 8	o	10	13 ⁷ / ₈	5 ⁷ / ₈ 7 ⁷ / ₈ 9 ⁷ / ₈ 11 ⁷ / ₈	5 ⁷ / ₈ 7 ⁷ / ₈ 9 ⁷ / ₈ 11 ⁷ / ₈ 5 ⁷ / ₈ 7 ⁷ / ₈ 9 ⁷ / ₈ 11 ⁷ / ₈	8 ³ / ₄	14	11 ¹ / ₂	16	11	2 1/4	43	2 ⁷ / ₈ 2 ⁷ / ₈ 4 ⁷ / ₈ 4 ⁷ / ₈	37	11 x 14
С	6 8 10 12	6 6 7 8	8	19	13 /8	5 ⁷ / ₈ 7 ⁷ / ₈ 9 ⁷ / ₈ 11 ⁷ / ₈		8 7/4	14	11 /2					2 ⁷ / ₈ 2 ⁷ / ₈ 4 ⁷ / ₈ 4 ⁷ / ₈	37	
D	10 12 14 16	7 8 10 11	10	18 ¹ / ₈	16 ⁷ / ₈	9 ⁷ / ₈ 11 ⁷ / ₈ 13 ⁷ / ₈ 15 ⁷ / ₈	16 ⁵ / ₈	15 ³ / ₄	16 ¹ / ₂	11 ¹ / ₄	20	14 ⁵ / ₈	2	46 ³ / ₄	4 ⁷ / ₈ 4 ⁷ / ₈ 6 ⁷ / ₈ 6 ⁷ / ₈	39	18 x 17
E	12 14 16	8 10 11				11 ⁷ / ₈ 13 ⁷ / ₈ 15 ⁷ / ₈			10 72	.2	74 20				4 ⁷ / ₈ 6 ⁷ / ₈ 6 ⁷ / ₈		

PSC Motor Amperage Ratings

Unit Size	Motor hp	120/1/60 FLA	208/240/1/60 FLA	277/1/60 FLA	
В	¹ / ₆	3.0	1.4	1.0	
С	¹ / ₄	3.9	1.7	1.5	
D	¹ / ₃	7.4	3.0	2.6	
E	³ / ₄	11.2	5.3	4.5	

ECM Motor Amperage Ratings

Unit Size	Motor hp	120V/1/60 FLA	208V/1/60 FLA	277V/1/60 FLA
В	1/3	5.0	2.8	2.6
С	¹ / ₃	5.0	2.8	2.6
D	$^{1}I_{2}$	7.7	4.3	4.1
E	3/4	9.6	6.8	5.5

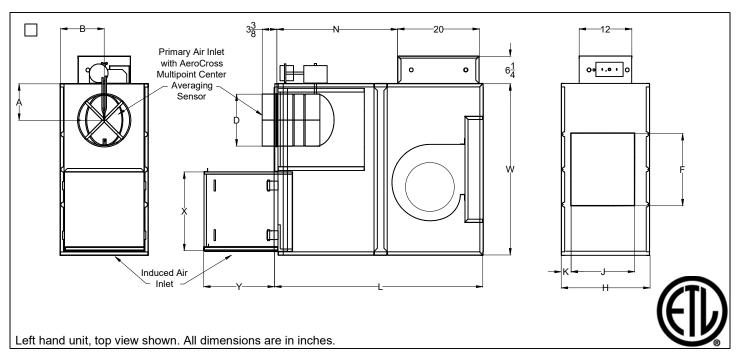
FLA = Full Load Amperage, as tested in accordance with UL 60335 All fan motors are single phase, same voltage as electric coil (when supplied), with exception that 277V motors are used with 480V, 3 phase coils (4 wire wye).

Accessories	(Optional)
-------------	------------

.00		~· <i>,</i>						
Che	ck 🗹 if provided.							
	Induced Air Filter, 1" thick, disposable construction type.							
	Fan disconnect switch (not ava with optional electric coils.)	ilable	on units					
	Fibre Free Liner		1" Fiberglass Liner					
	SteriLoc Liner		1" EcoShield Liner					
	½" EcoShield Liner		1" EcoShield Liner (Foil Face)					
	½" EcoShield Liner (Foil Face)		1" Fibre Free Liner					
	½" Fibre Free Liner		Hanger Brackets					
	Fan unit fusing		OSP & IBC Certification					
	Cam Latch for Access Door							

TFS-F Fantom IQ[™]

Ultra Quiet Fan Powered Terminal, Series Flow Pneumatic Control (PTFS), Pressure Independent



Unit Size	Inlet Size	Α	В	Х	Υ	D	Induced Height	Air Inlet Width	F	G	Н	J	K	L	N	W	Filter Size				
В	6 8 10 12	6 6 7 8	. 8	0	٥	٥	8	19	13 ⁷ / ₈	5 ⁷ / ₈ 7 ⁷ / ₈ 9 ⁷ / ₈ 11 ⁷ / ₈	100/	8 ³ / ₄	14	11 ¹ / ₂	16	11	2 ¹ / ₄	43	20 1/8	37	11 x 14
С	6 8 10 12	6 6 7 8		19	13 /8	5 ⁷ / ₈ 7 ⁷ / ₈ 9 ⁷ / ₈ 11 ⁷ / ₈	12 %	8 74	14	11 /2	10	11	2 /4	43	20 78	31	11 X 14				
D	10 12 14 16	7 8 10 11	10 18 1/3	18 ¹ / ₈	18 ¹ / ₈ 16 ⁷	16 ⁷ / ₈	9 ⁷ / ₈ 11 ⁷ / ₈ 13 ⁷ / ₈ 15 ⁷ / ₈	16 ⁵ / ₈	15 ³ / ₄	16 ¹ / ₂	11 ¹ / ₄	20	14 ⁵ / ₈	2	46 ³ / ₄	26 ¹ / ₄	39	18 x 17			
E	12 14 16	8 10 11				11 ⁷ / ₈ 13 ⁷ / ₈ 15 ⁷ / ₈															

PSC Motor Amperage Ratings

Unit Size	Motor hp	120/1/60 FLA	208/240/1/60 FLA	277/1/60 FLA
В	¹ / ₆	3.0	1.4	1.0
С	¹ / ₄	3.9	1.7	1.5
D	¹ / ₃	7.4	3.0	2.6
E	3/4	11.2	5.3	4.5

ECM Motor Amperage Ratings

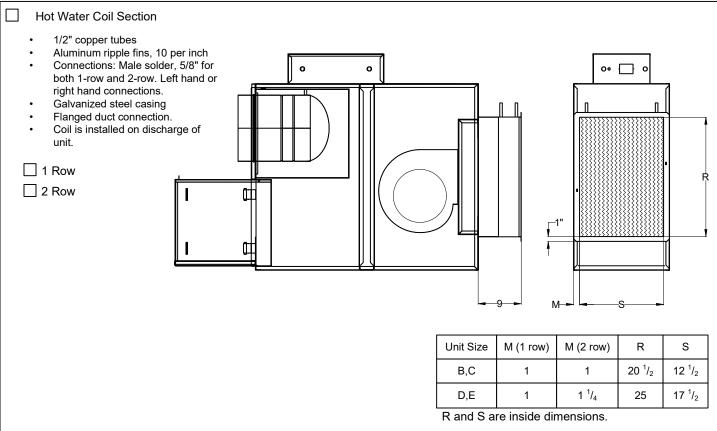
Unit Size	Motor hp	120V/1/60 FLA	208V/1/60 FLA	277V/1/60 FLA
В	1/3	5.0	2.8	2.6
C	¹ / ₃	5.0	2.8	2.6
D	1/2	7.7	4.3	4.1
ΙE	3/4	9.6	6.8	5.5

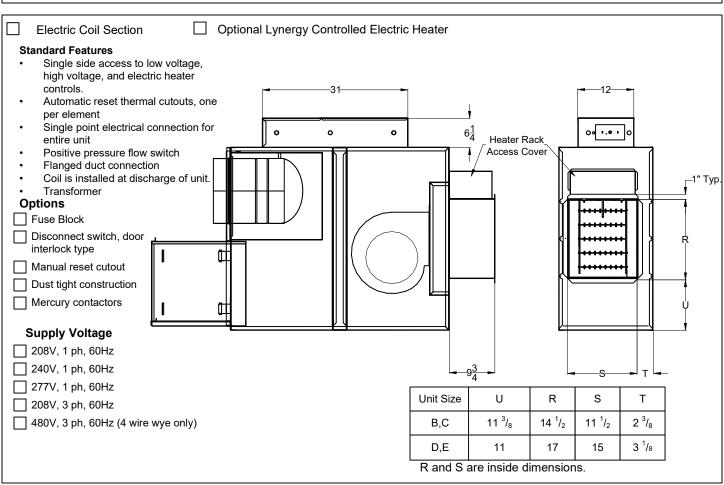
FLA = Full Load Amperage, as tested in accordance with UL 60335 All fan motors are single phase, same voltage as electric coil (when supplied), with exception that 277V motors are used with 480V, 3 phase coils (4 wire wye).

Accessories	(Optional)
-------------	------------

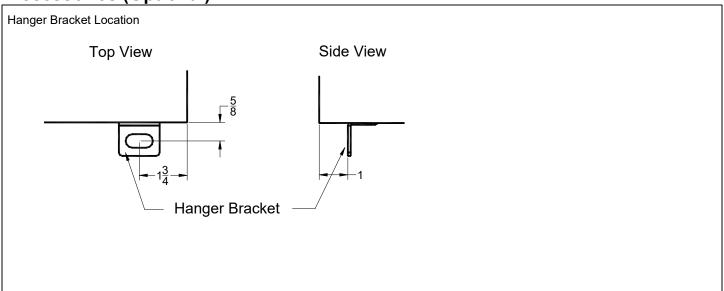
	(- p	,							
Chec	Check 🗹 if provided.								
	Induced Air Filter, 1" thick, disposable construction type.								
	Fan disconnect switch (not ava with optional electric coils.)	ilable	on units						
	Fibre Free Liner		1" Fiberglass Liner						
	SteriLoc Liner		1" EcoShield Liner						
	½" EcoShield Liner		1" EcoShield Liner (Foil Face)						
	½" EcoShield Liner (Foil Face)		1" Fibre Free Liner						
	½" Fibre Free Liner		Hanger Brackets						
	Fan unit fusing		OSP & IBC Certification						
	Cam Latch for Access Door								
П									

Accessories (Optional)





Accessories (Optional)



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.
- Energy efficient fan motor, permanent split capacitor type, mounted in vibration isolators.
- ECM Only: Ultra high efficiency, brushless DC ECM motor with a unique microprocessor based motor controller, mounted in vibration isolators.
- ECM Only: Manual PWM controller allows simple screwdriver adjustment of fan speed.

- ECM Only: Optional remote PWM controller allows for a 0-10 V signal from the DDC controller to adjust the fan speed.
- ECM Only: Efficiencies of up to 70% across the entire operating range.
- PSC Only: Adjustable SCR fan speed control with minimum voltage stop.
- Patented FAST™ attenuator system that greatly reduces radiated sound power levels. The FAST™ attenuator ships assembled inside the casing, pulls out easily and snaps into place for operation.
- Top and bottom access panels can be removed for service.

- Multipoint, center averaging velocity sensor.
- Primary air flow balancing connections.
- Pressure independent primary flow control.
- Single point electrical connections.
- Rectangular discharge opening is designed for flanged duct connections.
- OSHPD Seismic Certification: OSP-0352-10
- Only Titus Alpha digital controls package approved for seismic installation.