

# Filtered Supply Ventilators

## Belt-Drive Filtered Supply

Belt-drive filtered supply ventilators are designed to be installed on the roof or wall (15", 18", 20" units roof-mount only). The single-sided units provide filtered supply air to industrial and commercial buildings and can easily be used in commercial or industrial kitchen applications. Units include one set of 1" washable aluminum filters.

### Agency Listing

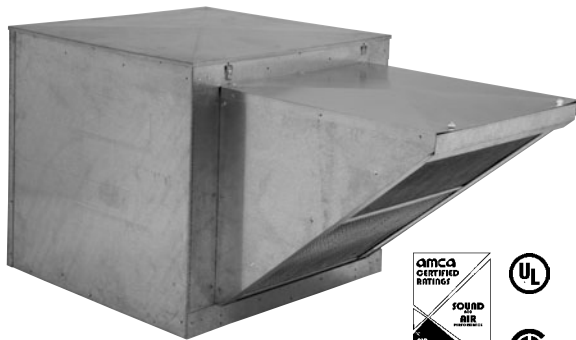
- All ventilators are UL Standard 705 listed power ventilators when sold complete with motor and variable pitch drive
- All motor and drive packages comply with the minimum efficiency levels of EPC Act '92. Affected motors bear the (EP) seal
- Ventilators are CSA listed according to Standard C22.2 No. 113-M1984 (Fans & Ventilators) when sold complete with motor and variable pitch drive
- AMCA licensed for sound and air

### Features and Specifications

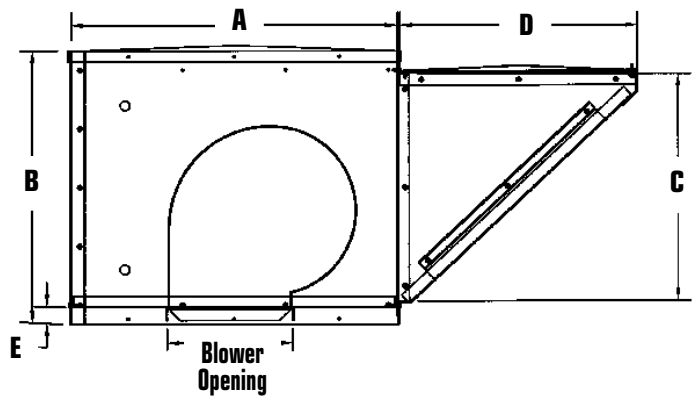
- Lifting lugs are standard on all sizes for ease of transport
- 10" - 18" units feature permanently lubricated, maintenance-free bearings
- 20" unit features regreaseable pillow block bearing
- Variable pitch sheaves to allow speed and CFM adjustments
- Dual-mount structure for either wall or roof mounting of the 10" and 12" units
- Galvanized metal housing and base

### Accessories (available separately)

- For more information, see Power Roof Ventilator Accessories
- NEMA 1, NEMA 3R and NEMA 4 disconnect switches
- Fixed mounting curbs
- Filters



Fantech, Inc. and Systemair Mfg. Inc. certify that the Belt-Drive Filtered Supply shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



Model No.	Blower Dia. (In.)	Blower Opening (In.)	Wheel Bore Size (In.)	Dimensions (In.)					Ship Wt. (Lbs.) (less motor assembly)	Max Ship Wt. (lbs.)	Optional Accessories - Roof Curb	
				A	B	C	D	E			8" Height Model No.	12" Height Model No.
5FSU10	10	11-3/8 x 13-1/8	3/4	30	25	21	22	1-1/2	164	202	5ACC28FS	5ACC28FT
5FSU12	12	13-7/16 x 15-5/8	3/4	34-1/2	32	26	30	2	261	306	5ACC32FS	5ACC32FT
5FSU15	15	15-7/8 x 18-5/8	1	34-1/2	32	26	30	2	267	310	5ACC32FS	5ACC32FT
5FSU18	18	18-7/8 x 21-7/8	1	42	36	31	33	2	461	538	5ACC40FS	5ACC40FT
5FSU20	20	24-3/4 x 22-3/4	1-3/16	46	48	36	38	2	550	683	5ACC44FS	5ACC44FT

### MOTOR SELECTION GUIDE

Dia. (In.)	HP	Open Dripproof		Dia. (In.)	HP	Open Dripproof	
		Single Phase	Three Phase			Single Phase	Three Phase
10	1/6	AB	—	12-18	1-1/2	GB	GX
10	1/4	BB	—	15-18	2	—	HX
10-12	1/3	CB	—	18	3	—	JX
10-15	1/2	DB	DX	18-20	5	—	KX
10-15	3/4	EB	EX	20	7-1/2	—	LX
10-15	1	FB	FX	20	10	—	MX

B = 115/230/60/1 Open Dripproof  
 X = 208-220/440/60/3 Open Dripproof  
 For fan with motor and drive package, add the two-digit motor HP, phase and enclosure code. Example: 5FSU10AB

### Supply Dampers

Model No.	Dampers
5FSU10	5ACC23SD
5FSU12	5ACC27SD
5FSU15	5ACC27SD
5FSU18	5ACC35SD
5FSU20	5ACC39SD

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### 5FSU10

HP	Motor Options	RPM	TS (FPM)	Max. BHP†	.125" SP	.250" SP	.375" SP	.500" SP	.750" SP	1.000" SP	1.250" SP	1.500" SP	2.000" SP	
					CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
					LWA#	LWA#	LWA#	LWA#	LWA#	LWA#	LWA#	LWA#	LWA#	LWA#
1/6	AB	600	1571	0.19	1365	1037	173							
					—	76	—							
1/4	BB	689	1804	0.29	1647	1387	1044	184						
					—	81	—	—						
1/3	CB	760	1990	0.38	1863	1637	1377	697						
					—	82	—	—						
1/2	DB DX	870	2278	0.58	2184	2000	1792	1558	334					
					—	82	—	—	—					
3/4	EB EX	990	2592	0.85	2528	2377	2205	2017	1564	326				
					—	83	—	—	—	—				
1	FB FX	1090	2854	1.13	2811	2679	2527	2368	2011	1420				
					—	84	—	—	—	—				

### 5FSU12

HP	Motor Options	RPM	TS (FPM)	Max. BHP†	.125" SP	.250" SP	.375" SP	.500" SP	.750" SP	1.000" SP	1.250" SP	1.500" SP	2.000" SP	
					CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
					LWA#	LWA#	LWA#	LWA#	LWA#	LWA#	LWA#	LWA#	LWA#	LWA#
1/3	CB	550	1728	0.35	2151	1737	519							
					—	68	—							
1/2	DB DX	640	2011	0.55	2604	2311	1872	692						
					—	74	—	—						
3/4	EB EX	725	2278	0.79	3021	2769	2468	2053	344					
					—	79	—	—	—					
1	FB FX	810	2545	1.10	3431	3206	2980	2678	1843	231				
					—	82	—	—	—	—				
1 1/2	GB GX	890	2796	1.47	3813	3608	3402	3176	2531	706	161			
					—	84	—	—	—	—	—	—		

Performance certified is for installation type B: Free Inlet, Ducted Outlet. Performance ratings include the effects of filters. † Power ratings (BHP) do not include transmission losses. The A-weighted sound ratings are calculated per AMCA Standard 301. # Values shown are for total LWA sound power levels for Installation Type B: Free Inlet, Ducted Outlet. Ratings include the effects of duct end correction for the outlet duct.

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## Belt-Drive Filtered Supply

### 5FSU15

HP	Motor Options	RPM	TS (FPM)	Max. BHP†	.125" SP	.250" SP	.375" SP	.500" SP	.750" SP	1.000" SP	1.250" SP	1.500" SP	2.000" SP	
					CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
					LWA#	LWA#	LWA#	LWA#	LWA#	LWA#	LWA#	LWA#	LWA#	
1/2	DB DX	535	2101	0.58	3040	2628	2060	870						
					—	71	—	—						
3/4	EB EX	605	2376	0.83	3522	3187	2777	2231	501					
					—	76	—	—	—					
1	FB FX	670	2631	1.13	3963	3671	3345	2931	1283	336				
					—	78	—	—	—	—				
1 1/2	GB GX	745	2926	1.56	4464	4216	3933	3616	2780	1079	340			
					—	81	—	—	—	—	—			
2	HX	820	3220	2.07	4961	4738	4492	4235	3584	2728	1029	407		
					—	83	—	—	—	—	—	—		

### 5FSU18

HP	Motor Options	RPM	TS (FPM)	Max. BHP†	.125" SP	.250" SP	.375" SP	.500" SP	.750" SP	1.000" SP	1.250" SP	1.500" SP	2.000" SP	
					CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
					LWA#	LWA#	LWA#	LWA#	LWA#	LWA#	LWA#	LWA#	LWA#	
1 1/2	GB GX	592	2790	1.50	5409	4989	4515	4043	2386	809				
					—	79	—	—	—	—				
2	HX	665	3134	2.12	6161	5825	5403	4982	3995	2361	947	133		
					—	82	—	—	—	—	—	—		
3	JX	770	3628	3.29	7230	6948	6629	6264	5537	4649	3251	1930	185	
					—	86	—	—	—	—	—	—		
5	KX	920	4335	5.61	8739	8503	8267	8007	7396	6788	6181	5278	2940	
					—	91	—	—	—	—	—	—		

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### 5FSU20

HP	Motor Options	RPM	TS (FPM)	Max. BHP†	.125" SP	.250" SP	.375" SP	.500" SP	.750" SP	1.000" SP	1.250" SP	1.500" SP	2.000" SP	
					CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
					LWA#	LWA#	LWA#	LWA#	LWA#	LWA#	LWA#	LWA#	LWA#	LWA#
5	KX	670	3508	4.97	10394	10057	9720	9345	8515	7593	6527	4259	950	
					—	88	—	—	—	—	—	—	—	—
7 1/2	LX	790	4136	8.15	12255	11969	11684	11398	10727	10023	9244	8435	5391	
					—	93	—	—	—	—	—	—	—	—
10	MX	885	4634	11.45	13729	13474	13219	12964	12418	11789	11160	10461	8928	
					—	96	—	—	—	—	—	—	—	—

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