Dayton

Stock No. 5AV85

Job Name:
Mark:

Submitted By:
Date:11/29/2026

Blowers

Centrifugal Belt-Drive In-Line Duct Blower



Designed for indoor clean air applications including intake, exhaust, return, or make-up air systems in industrial or commercial buildings. Rugged construction allows fan to be installed in ductwork either horizontally or vertically. Duct collars provide easy duct connections. Access panels are included on each side of the unit.

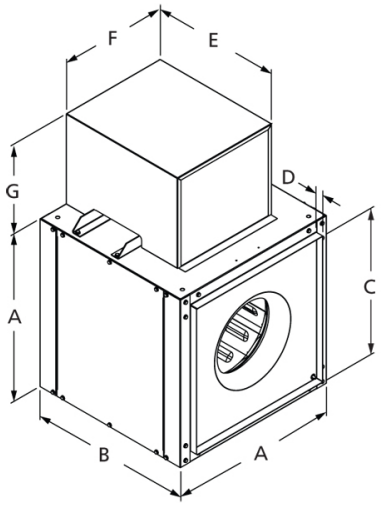
- Aluminum backward inclined, nonoverloading centrifugal wheel design
- UL/cUL 705 Listed for Power Ventilators
- Maximum inlet air temperature: 160º F
- Bearing and motor cover provide longer service life
- Regreaseable pillow block bearings

AMCA Sound & Air

Dayton Electric Mfg. Co. certifies that the blowers 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.

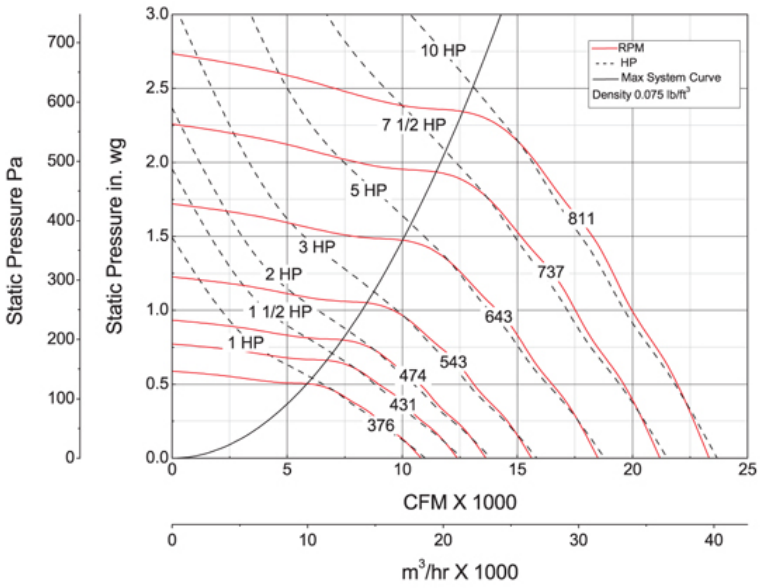
UL/cUL 705

c UL us LISTED
E53236



A	B	C	D	E	F	G
52 in	42 in	47 7/8 in	1 1/2 in	35 1/4 in	22 in	18 in

Performance Characteristics



Construction Features

Impeller Diameter (Typ.)	36 in
Impeller Type	Backward Inclined Centrifugal
Impeller Material	Aluminum
Max Inlet Temp	160 °F
Bearing Type	Regreaseable Pillow Block
Drive Package Description	Drives By Others
Warranty Length	1 Year

Air & Sound Performance

Motor HP	Max BHP	Fan RPM	CFM @	0.000" SP	0.125" SP	0.250" SP	0.375" SP	0.500" SP	0.625" SP	0.750" SP	0.875" SP	1.000" SP	1.250" SP	1.500" SP	1.750" SP	2.000" SP	2.250" SP
1	1.04	376	CFM	10,815	10,039	9008	7892	—	—	—	—	—	—	—	—	—	—
			Sones	12.7	12.6	12.5	11.8	—	—	—	—	—	—	—	—	—	—
1 1/2	1.55	431	CFM	12,397	11,720	10,872	10,041	8980	7652	—	—	—	—	—	—	—	—
			Sones	14.7	14.7	14.7	14.3	13.7	12.9	—	—	—	—	—	—	—	—
2	2.09	474	CFM	13,633	13,018	12,323	11,479	10,736	9708	8489	—	—	—	—	—	—	—
			Sones	15.7	16.1	16.6	16.2	15.7	14.9	14.1	—	—	—	—	—	—	—
3	3.12	543	CFM	15,618	15,081	14,544	13,830	13,112	12,506	11,627	10,726	9553	—	—	—	—	—
			Sones	18.6	19.1	19.6	19.9	19.4	18.9	18.1	17.3	16.6	—	—	—	—	—
5	5.19	643	CFM	18,494	18,041	17,587	17,134	16,511	15,865	15,327	14,815	14,081	12,560	—	—	—	—
			Sones	28.0	28.0	27.0	27.0	27.0	26.0	26.0	26.0	25.0	23.0	—	—	—	—
7 1/2	7.84	737	CFM	21,198	20,802	20,407	20,011	19,615	19,068	18,505	17,961	17,515	16,475	15,153	13,704	—	—
			Sones	31.0	31.0	31.0	31.0	32.0	32.0	32.0	31.0	31.0	30.0	29.0	28.0	—	—
10	10.45	811	CFM	23,326	22,967	22,607	22,248	21,888	21,523	21,011	20,498	19,986	19,146	18,195	16,996	15,786	14,128
			Sones	34.0	33.0	34.0	34.0	35.0	36.0	37.0	37.0	36.0	35.0	34.0	33.0	32.0	32.0

Performance certified is for installation type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type B: Free inlet hemispherical fan sone levels.