

Centrifugal Belt-Drive In-Line Duct Blower

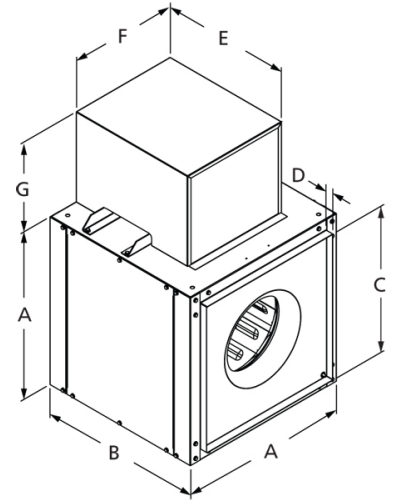


Designed for indoor clean air applications including intake, exhaust, return, or make-up air systems in industrial or commercial buildings. Rugged construction allows fan to be installed in ductwork either horizontally or vertically. Duct collars provide easy duct connections. Access panels are included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

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

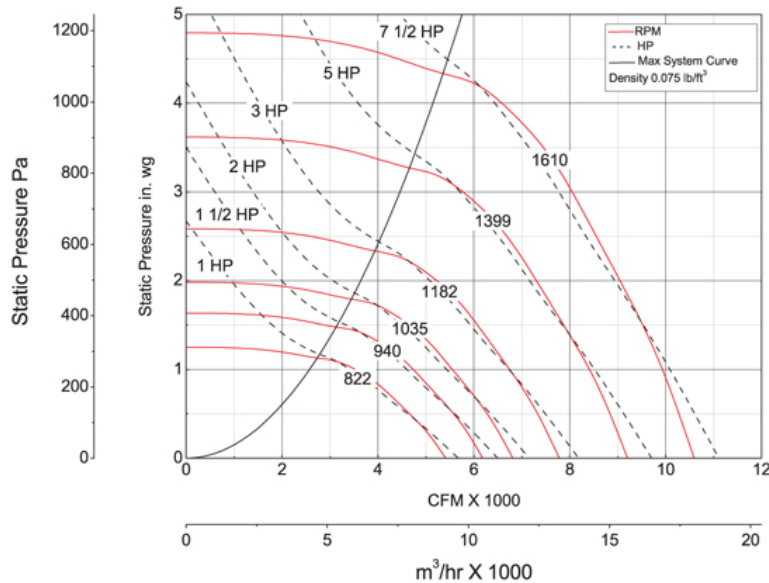


Dayton Electric Mfg. Co. certifies that the blowers shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



A	B	C	D	E	F
39 in	34 in	34 7/8 in	1 1/2 in	25 3/5 in	18 in
G					
13 3/4 in					

Performance Characteristics



Construction Features

Impeller Diameter (Typ.)	24 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	2.500" SP	2.750" SP	3.000" SP
1	1.05	822	CFM	5410	5248	5086	4874	4659	4419	4167	3893	3516	—	—	—	—	—	—	—	—
			Sones	16.6	16.4	16.0	15.6	15.2	15.0	14.8	14.6	14.3	—	—	—	—	—	—	—	—
1 1/2	1.57	940	CFM	6186	6045	5904	5747	5559	5371	5167	4955	4730	4173	—	—	—	—	—	—	—
			Sones	19.6	19.4	19.1	18.7	18.1	17.5	17.3	17.1	16.9	16.3	—	—	—	—	—	—	—
2	2.10	1035	CFM	6812	6683	6555	6426	6266	6095	5924	5742	5550	5146	4632	3791	—	—	—	—	—
			Sones	22.0	22.0	21.0	21.0	20.0	19.9	19.4	19.1	18.9	18.6	18.3	17.7	—	—	—	—	—
3	3.13	1182	CFM	7779	7667	7554	7442	7329	7189	7039	6889	6740	6411	6065	5705	5198	4520	—	—	—
			Sones	26.0	26.0	26.0	25.0	25.0	24.0	23.0	23.0	22.0	22.0	21.0	21.0	21.0	21.0	—	—	—
5	5.19	1399	CFM	9207	9112	9017	8922	8827	8732	8635	8509	8382	8130	7873	7589	7301	6997	6687	6244	5745
			Sones	32.0	33.0	33.0	33.0	33.0	32.0	31.0	30.0	30.0	29.0	27.0	26.0	25.0	25.0	25.0	24.0	24.0
7 1/2	7.84	1610	CFM	10,596	10,513	10,431	10,348	10,266	10,183	10,100	10,018	9932	9712	9492	9273	9047	8800	8554	8296	8031
			Sones	41.0	42.0	43.0	44.0	43.0	43.0	43.0	43.0	41.0	40.0	38.0	38.0	37.0	34.0	31.0	30.0	30.0

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.