

## Centrifugal Belt-Drive Downblast Exhaust Ventilator

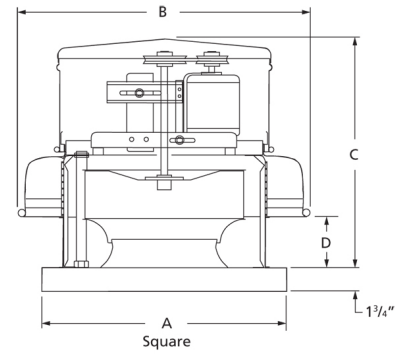


Designed to meet the general clean air exhaust requirements for industrial and commercial buildings. Features a fully rolled windband bead for increased stability and easy transport. Fresh outside air is drawn in under the motor cover to maximize motor life.

- Aluminum backward inclined, nonoverloading centrifugal wheel design
- Maximum inlet air temperature: 180° F
- NEMA 1 junction box located in motor enclosure
- Optional NEMA 1 and 4 disconnects available
- Regreaseable pillow block bearings
- Air handling quality bearings meet minimum of L10-100,000 hours
- UL/cUL 705 Listed for Power Ventilators

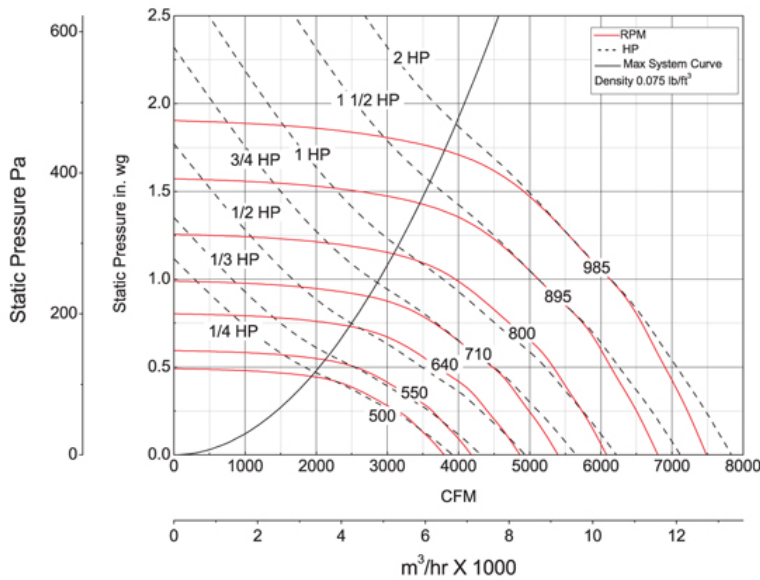


Dayton Electric Mfg. Co. certifies that the ventilators shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



A	B	C	D
34 in	42 3/4 in	38 3/8 in	5 3/4 in

## Performance Characteristics



## Construction Features

<b>Impeller Diameter (Typ.)</b>	24 1/2 in
<b>Impeller Type</b>	Backward Inclined Centrifugal
<b>Impeller Material</b>	Aluminum
<b>Max Inlet Temp</b>	180 °F
<b>Bearing Type</b>	Regreaseable Pillow Block
<b>Drive Package Description</b>	Drives By Others
<b>Warranty Length</b>	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
1/4	0.26	500	CFM	3799	3512	3132	2542	—	—	—	—	—	—	—
			Sones	8.8	8.4	7.9	7.5	—	—	—	—	—	—	—
1/3	0.35	550	CFM	4179	3924	3629	3158	2526	—	—	—	—	—	—
			Sones	10.0	9.6	8.9	8.4	8.0	—	—	—	—	—	—
1/2	0.55	640	CFM	4863	4654	4403	4120	3702	3208	—	—	—	—	—
			Sones	13.0	12.8	12.1	11.2	10.5	9.7	—	—	—	—	—
3/4	0.75	710	CFM	5395	5206	4990	4762	4459	4077	3633	2974	—	—	—
			Sones	15.0	14.9	14.4	13.6	12.8	12.1	11.2	10.3	—	—	—
1	1.07	800	CFM	6079	5911	5732	5530	5326	5049	4716	4360	3929	—	—
			Sones	16.6	16.4	16.1	15.6	15.2	14.6	14.2	13.4	12.5	—	—
1 1/2	1.50	895	CFM	6801	6651	6501	6323	6142	5960	5723	5435	5122	4401	—
			Sones	19.4	19.1	18.8	18.5	18.2	18.0	17.6	17.3	16.9	15.5	—
2	2.00	985	CFM	7485	7349	7212	7062	6898	6734	6568	6368	6107	5548	4883
			Sones	23.0	23.0	23.0	22.0	22.0	22.0	22.0	2.0	21.0	21.0	20.0

Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen in the airstream. 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 A: Free inlet hemispherical sone levels.