Dayton

Stock No. 5DVN5

Job Name:
Mark:

Submitted By:
Date:11/29/2026

Power Roof Ventilators

Centrifugal Belt-Drive Upblast Wall-Mount Exhaust Ventilator



Designed for use in restaurants, schools, commercial, and industrial applications to exhaust contaminated air from kitchen range hoods, up and away from the roof. Leakproof, spun aluminum construction features a fully rolled windband for increased stability.

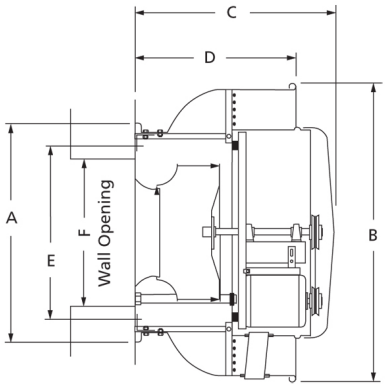
- Aluminum backward inclined, nonoverloading centrifugal wheel design
- Maximum inlet air temperature: 300º F
- NEMA 1 junction box located in motor enclosure
- Optional NEMA 1 and 4 disconnects available
- UL/cUL 705 Listed for Power Ventilators
- UL/cUL 762 Listed for Restaurant Exhaust Appliances
- Air handling quality bearings meet minimum of L10-100,000 hours
- Regreaseable pillow block bearings

AMCA Sound & Air

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.

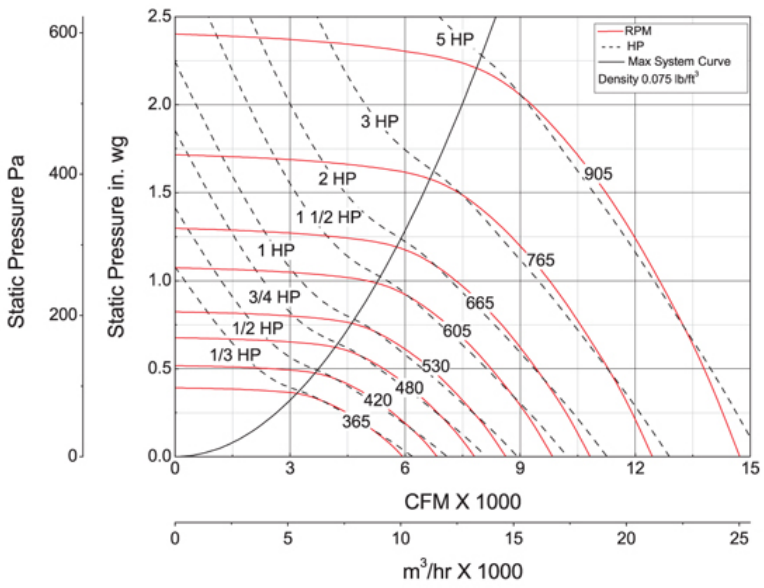
UL/cUL 762

E53236
MH12596



A	B	C	D	E
38 3/8 in	50 in	40 in	29 1/4 in	35 3/4 in

Performance Characteristics



Construction Features

Impeller Diameter (Typ.)	30 1/2 in
Impeller Type	Backward Inclined Centrifugal
Impeller Material	Aluminum
Max Inlet Temp	300 °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
1/3	0.34	365	CFM	5940	5316	4464	—	—	—	—	—	—	—	—	—	—
			Sones	7.2	6.5	5.7	—	—	—	—	—	—	—	—	—	—
1/2	0.52	420	CFM	6835	6314	5660	4820	—	—	—	—	—	—	—	—	—
			Sones	9.0	8.2	7.5	6.9	—	—	—	—	—	—	—	—	—
3/4	0.77	480	CFM	7811	7377	6844	6231	5440	—	—	—	—	—	—	—	—
			Sones	11.0	10.5	9.9	9.3	8.5	—	—	—	—	—	—	—	—
1	1.05	530	CFM	8625	8231	7772	7245	6636	5879	—	—	—	—	—	—	—
			Sones	13.3	12.7	12.2	11.7	11.2	10.2	—	—	—	—	—	—	—
1 1/2	1.55	605	CFM	9845	9501	9127	8705	8226	7708	7084	6272	—	—	—	—	—
			Sones	17.0	16.4	15.7	15.2	14.8	14.3	13.5	12.5	—	—	—	—	—
2	2.07	665	CFM	10,822	10,508	10,193	9808	9411	8968	8495	7928	7271	—	—	—	—
			Sones	20.0	19.7	18.6	18.0	17.5	17.1	16.7	16.1	15.1	—	—	—	—
3	3.15	765	CFM	12,449	12,176	11,904	11,607	11,273	10,939	10,554	10,169	9743	8756	7352	—	—
			Sones	24.0	24.0	23.0	22.0	22.0	21.0	21.0	20.0	20.0	18.7	17.0	—	—
5	5.21	905	CFM	14,727	14,497	14,266	14,036	13,788	13,505	13,223	12,940	12,614	11,963	11,191	10,357	9178
			Sones	32.0	32.0	32.0	30.0	29.0	29.0	28.0	28.0	28.0	27.0	26.0	24.0	22.0

Performance certified is for installation type A: Free inlet, Free 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 A: Free inlet hemispherical sone levels.