Dayton

Stock No.
5DVN3

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.

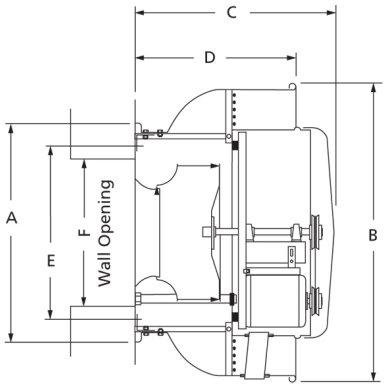
- Aluminum backward inclined, nonoverloading centrifugal wheel design
- Maximum inlet air temperature: 300º F
- NEMA 1 junction box located in motor enclosure
- Optional NEMA 1 and 4 disconnects available
- UL/cUL 705 Listed for Power Ventilators
- UL/cUL 762 Listed for Restaurant Exhaust Appliances
- 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
31 1/4 in	42 3/4 in	39 1/2 in	25 1/2 in	28 3/8 in

Performance Characteristics

No Fan Curve Available.

Construction Features

Impeller Diameter (Typ.)	22 3/4 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
1/4	0.26	475	CFM	3784	3377	2896	2268	—	—	—	—	—	—	—
			Sones	7.9	7.2	6.5	6.1	—	—	—	—	—	—	—
1/3	0.34	520	CFM	4142	3771	3357	2845	—	—	—	—	—	—	—
			Sones	9.3	8.4	7.6	7.1	—	—	—	—	—	—	—
1/2	0.52	600	CFM	4779	4457	4124	3736	3279	—	—	—	—	—	—
			Sones	12.0	11.0	10.0	9.3	8.8	—	—	—	—	—	—
3/4	0.78	685	CFM	5457	5174	4893	4581	4234	3836	3383	—	—	—	—
			Sones	14.8	14.0	13.4	12.9	12.1	11.6	11.1	—	—	—	—
1	1.04	755	CFM	6014	5758	5502	5239	4944	4620	4258	3853	—	—	—
			Sones	17.3	16.7	16.3	16.0	15.5	14.8	14.3	13.8	—	—	—
1 1/2	1.57	865	CFM	6890	6667	6443	6220	5987	5729	5453	5170	4835	4111	—
			Sones	20.0	19.9	19.3	18.9	18.5	17.8	17.2	16.8	16.3	15.9	—
2	2.11	955	CFM	7607	7405	7202	7000	6799	6580	6347	6101	5844	5261	4602
			Sones	25.0	25.0	24.0	24.0	23.0	23.0	22.0	21.0	20.0	19.0	18.6

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.