Dayton

Stock No. 4YY22

Job Name:
Mark:

Submitted By:
Date:11/29/2026

Power Roof Ventilators

Centrifugal Belt-Drive Upblast 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.

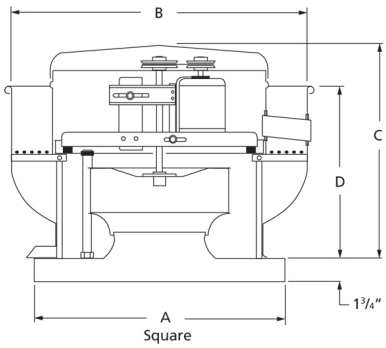
- Aluminum backward inclined, nonoverloading centrifugal wheel design
- Maximum inlet air temperature: 300º F
- NEMA 1 junction box located in motor enclosure
- Optional NEMA 1 and 4 disconnects available
- Regreaseable pillow block bearings
- UL/cUL 705 Listed for Power Ventilators
- UL/cUL 762 Listed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

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.

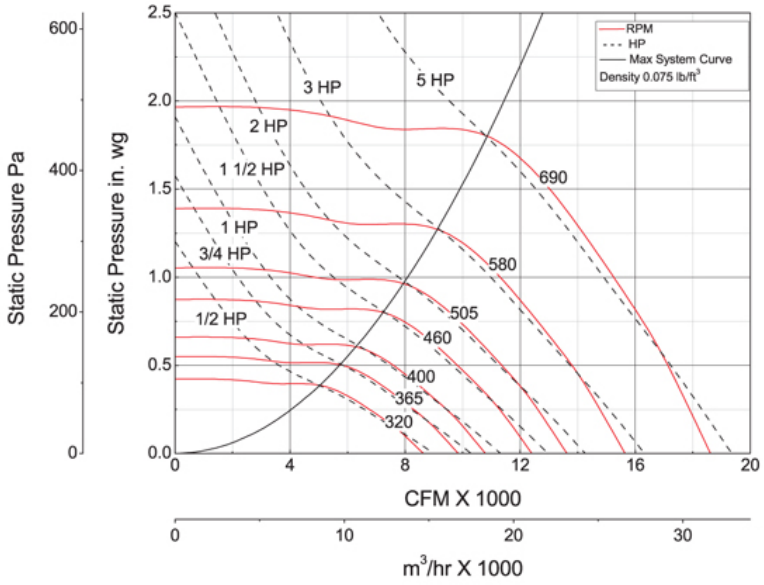
UL/cUL 762

E53236
MH12596



A	B	C	D
46 in	58 5/8 in	44 5/8 in	29 7/16 in

Performance Characteristics



Construction Features

Impeller Diameter (Typ.)	36 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
1/2	0.52	320	CFM	8631	7820	6755	5256	—	—	—	—	—	—	—	—
			Sones	7.7	6.8	6.0	6.6	—	—	—	—	—	—	—	—
3/4	0.78	365	CFM	9845	9142	8299	7286	5767	—	—	—	—	—	—	—
			Sones	10.2	9.4	8.5	8.0	8.3	—	—	—	—	—	—	—
1	1.02	400	CFM	10,789	10,153	9426	8556	7575	—	—	—	—	—	—	—
			Sones	12.7	11.9	11.1	10.3	9.9	—	—	—	—	—	—	—
1 1/2	1.55	460	CFM	12,408	11,862	11,281	10,587	9814	8979	7809	—	—	—	—	—
			Sones	16.8	16.5	15.8	15.1	14.5	14.0	13.5	—	—	—	—	—
2	2.06	505	CFM	13,621	13,125	12,602	12,022	11,359	10,647	9878	8841	—	—	—	—
			Sones	20.0	20.0	19.8	19.0	18.6	18.3	17.9	17.0	—	—	—	—
3	3.13	580	CFM	15,644	15,212	14,769	14,306	13,783	13,218	12,597	11,970	11,287	9381	—	—
			Sones	23.0	23.0	23.0	22.0	22.0	21.0	21.0	20.0	20.0	18.4	—	—
5	5.26	690	CFM	18,611	18,248	17,884	17,504	17,115	16,711	16,236	15,762	15,243	14,187	12,985	11,290
			Sones	30.0	29.0	28.0	28.0	28.0	27.0	27.0	26.0	25.0	24.0	23.0	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.