



Stock No.
1MBF2

Job Name:
Mark:

Submitted By:
Date:9/16/2025

Power Roof Ventilators

High Pressure 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: 300° 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

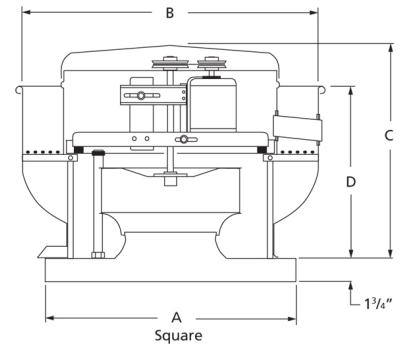


Dayton Electric Mfg. Co. certifies that the ventilators shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

UL/cUL 762

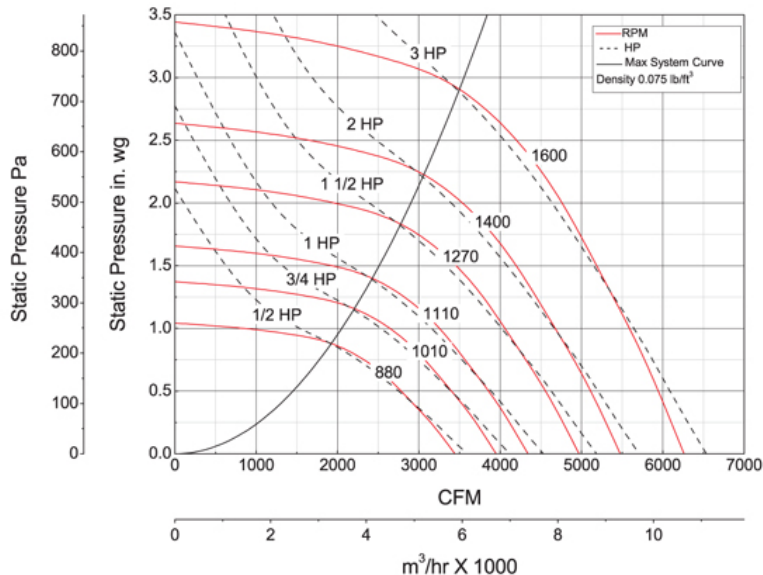


E53236
MH12596



A	B	C	D
30 in	35 3/8 in	34 3/4 in	21 in

Performance Characteristics



Construction Features

Impeller Diameter (Typ.)	21 1/4 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 @	0.500" 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
1/2	0.52	880	CFM	2779	2578	2317	1922	—	—	—	—	—	—	—	—
			Sones	10.5	10.1	9.5	8.7	—	—	—	—	—	—	—	—
3/4	0.79	1010	CFM	3397	3235	3067	2865	2637	—	—	—	—	—	—	—
			Sones	14.5	14.1	13.7	13.5	13.2	—	—	—	—	—	—	—
1	1.04	1110	CFM	3851	3710	3561	3409	3242	2806	—	—	—	—	—	—
			Sones	16.9	16.5	16.2	15.9	15.7	15.5	—	—	—	—	—	—
1 1/2	1.56	1270	CFM	4558	4435	4312	4188	4055	3789	3433	2944	—	—	—	—
			Sones	22.0	21.0	21.0	20.0	20.0	19.7	19.3	19.8	—	—	—	—
2	2.09	1400	CFM	5110	5009	4898	4786	4674	4436	4195	3880	3515	—	—	—
			Sones	24.0	24.0	24.0	24.0	24.0	23.0	21.0	22.0	23.0	—	—	—
3	3.13	1600	CFM	5943	5859	5775	5679	5581	5385	5182	4971	4760	4476	4189	3760
			Sones	29.0	28.0	28.0	28.0	29.0	30.0	29.0	26.0	24.0	26.0	28.0	31.0

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.