Dayton

Stock No. 1MBF1

Job Name:
Mark:

Submitted By:
Date:11/29/2026

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.

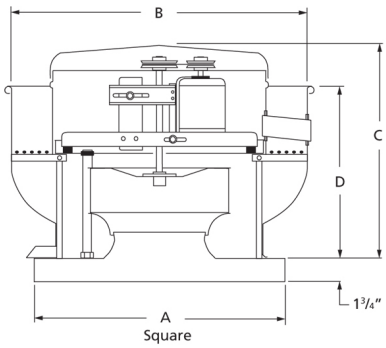
- Aluminum backward inclined, nonoverloading centrifugal wheel design
- Maximum inlet air temperature: 300º F
- NEMA 1 junction box located in motor enclosure
- Optional NEMA 1 and 4 disconnects available
- Sealed pillow block bearings
- UL/cUL 705 Listed for Power Ventilators
- UL/cUL 762 Listed for 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.

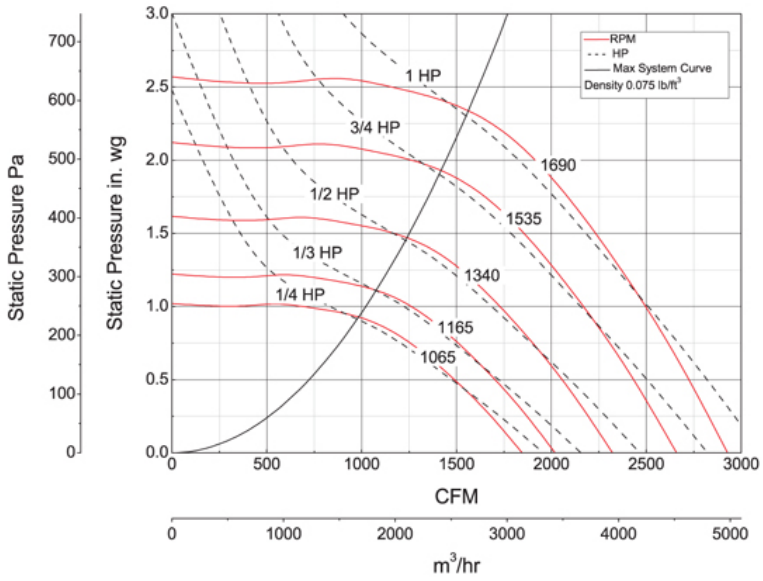
UL/cUL 762

E53236
MH12596



A	B	C	D
26 in	28 7/8 in	26 3/8 in	19 3/8 in

Performance Characteristics



Construction Features

Impeller Diameter (Typ.)	16 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 @	0.500" 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
1/4	0.26	1065	CFM	1487	1377	1252	1093	—	—	—	—	—	—
			Sones	11.0	10.6	10.2	9.8	—	—	—	—	—	—
1/3	0.34	1165	CFM	1697	1608	1504	1395	1252	—	—	—	—	—
			Sones	12.8	12.7	12.2	11.7	11.3	—	—	—	—	—
1/2	0.52	1340	CFM	2053	1975	1897	1816	1724	1513	—	—	—	—
			Sones	14.4	13.8	13.3	12.8	12.3	11.3	—	—	—	—
3/4	0.74	1535	CFM	2433	2368	2301	2233	2165	2015	1855	1638	—	—
			Sones	18.1	17.7	17.2	16.8	16.4	15.7	14.9	13.5	—	—
1	1.05	1690	CFM	2722	2671	2611	2550	2488	2365	2228	2082	1899	1664
			Sones	21.0	21.0	21.0	20.0	20.0	18.5	19.1	18.6	16.9	15.0

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.