Dayton

**Stock No.** 1DYL2

Job Name:
Mark:

Submitted By:
Date:11/29/2026

**Power Roof Ventilators**

## Severe-Duty Centrifugal Belt-Drive Upblast Exhaust Ventilator



Designed for heavy grease applications as found in char broilers, solid fuel cooking, and Oriental cooking. Fans are UL 762 listed for all electrical components and grease removal. Units are constructed of heavy gauge steel and utilize a one-piece steel windband that is continuously welded to the curb cap. Clean out port, heat baffle, Nema-1 junction box, and hinged base are included.

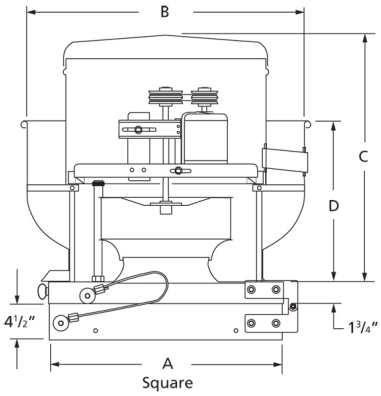
- Clean-out port provides easy wheel access
- Heat baffle provides longer motor life
- NEMA 1 junction box located in motor enclosure
- Nonstick coating on wheel
- Polyester gray coating
- Severe wind applications up to 150 mph
- Maximum inlet air temperature: 400º F

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.

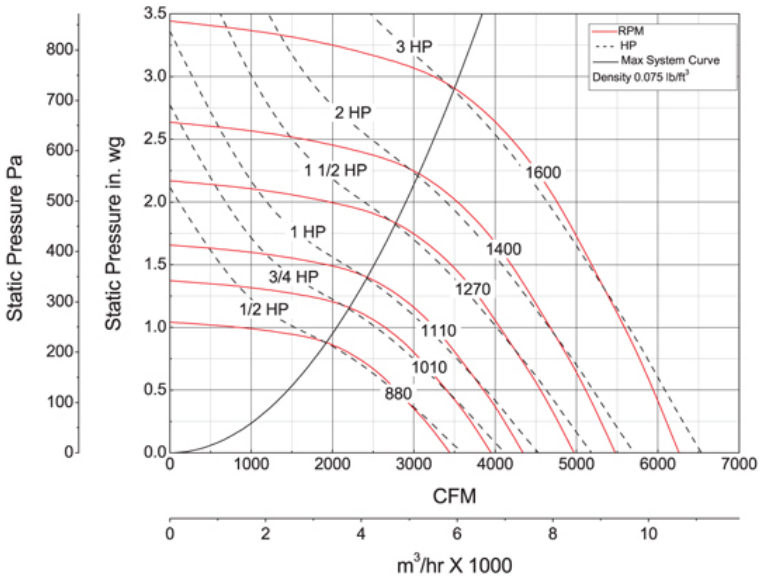
UL/cUL 762

E53236
MH12596




| A | B | C | D |
|---|---|---|---|
| 29 1/8 in | 35 3/8 in | 34 in | 21 in |

## Performance Characteristics




## Construction Features

| | |
|---|---|
| **Impeller Diameter (Typ.)** | 21 1/4 in |
| **Impeller Type** | Backward Inclined Centrifugal |
| **Impeller Material** | Steel |
| **Max Inlet Temp** | 400 °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.