

Heavy-Duty Belt-Drive Exhaust Fan



Designed for commercial and industrial applications requiring high volume of air at low to medium static pressures. Construction includes heavy-duty drive frame channels, bearing plate and motor plate. Propeller utilizes a six-blade heavy-duty cast aluminum design. Mount in vertical position for exhaust applications or horizontal position for supply applications.

- Variable pitch adjustable motor pulley to optimize fan performance
- Maximum inlet air temperature: 104° F
- 6-Blade heavy-duty cast aluminum propellers



GREEN Product

- Motor is VFD Compatible
- Meets Minimum & Optimize Energy Performance

AMCA Sound & Air

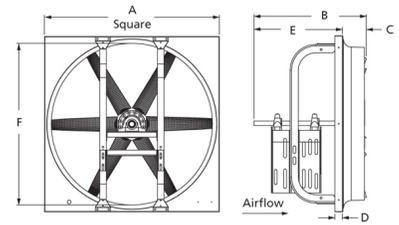


Dayton Electric Mfg. Co. certifies that the fans shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

UL/cUL 705

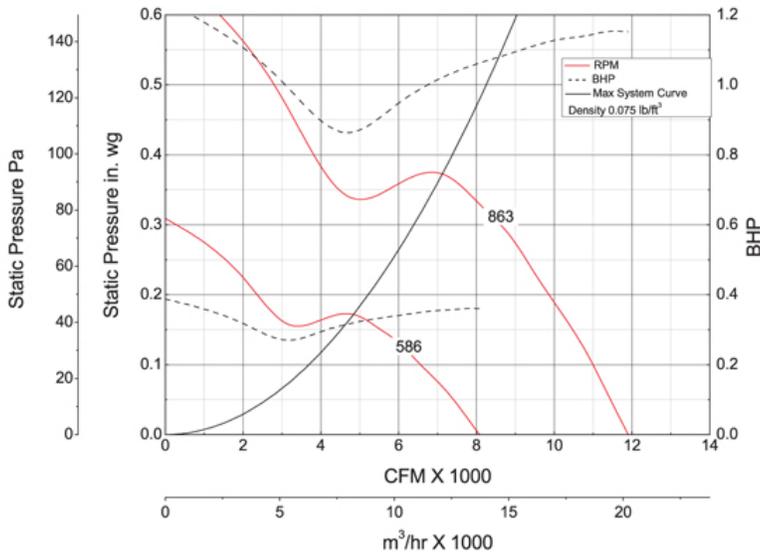


E53236



| A | B | C | D | E | F |
|-------|-------|----------|----------|-----------|-----------|
| 34 in | 20 in | 5 1/4 in | 1 1/4 in | 14 3/4 in | 30 3/8 in |

Performance Characteristics



Construction Features

| | |
|---------------------------|--------------------------------|
| Impeller Diameter (Typ.) | 30 in |
| Impeller Type | Propeller |
| Impeller Material | Cast Aluminum |
| Max Inlet Temp | 104 °F |
| Bearing Type | Regreaseable Cast Pillow Block |
| Drive Package Description | Drives Packaged Separately |
| Warranty Length | 1 Year |

Motor Information

| | |
|-------------------|-----------------------------|
| Motor Item Number | 2NKX4 |
| Voltage | 208-230/460 |
| Hertz (Cycle) | 60 Hz |
| Motor Phase | 3 |
| Motor Enclosure | Totally Enclosed Fan-Cooled |
| RPM | 1,760 rpm |
| Full Load Amps | 3.2-3.2/1.6 |

Other Components

| Component | Description | Item # |
|-----------------|--------------|--------|
| Fan Description | Exhaust Fan | 1AHA9 |
| Belt | A35 (QTY: 1) | 3X620 |
| Driver Sheave | 1VP3478 | 5UHR2 |
| Driven Sheave | 641B | 6YRE2 |
| Driven Bushing | SDS1 | 5YLH1 |

Air & Sound Performance

| Motor HP | Max BHP | Fan RPM | CFM @ | 0.000" SP | 0.125" SP | 0.250" SP |
|----------|---------|---------|-------|-----------|-----------|-----------|
| 1 | 1.15 | 863 | CFM | 11,901 | 10,739 | 9276 |
| | | | Sones | 23.0 | 24.0 | 25.0 |

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 fan sone levels.

Catalog 405, January 2010

Operating Range of Drive Package

| Turns Open | FRPM @ 0 TO | FRPM @ 1/2 TO | FRPM @ 1 TO | FRPM @ 1 1/2 TO | FRPM @ 2 TO | FRPM @ 2 1/2 TO | FRPM @ 3 TO | FRPM @ 3 1/2 TO | FRPM @ 4 TO | FRPM @ 4 1/2 TO | FRPM @ 5 TO |
|--------------|-------------|---------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|
| Approx. FRPM | 863 | 841 | 812 | 784 | 756 | 728 | 699 | 671 | 643 | 614 | 586 |