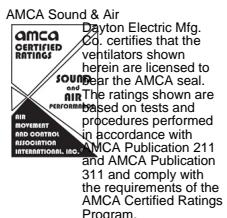


## Assembled Centrifugal Belt-Drive Upblast Exhaust Ventilator



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
- 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



Dayton Electric Mfg.

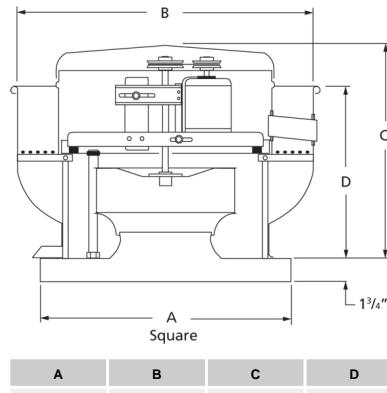
UL/cUL 762

CSA Certified Motor

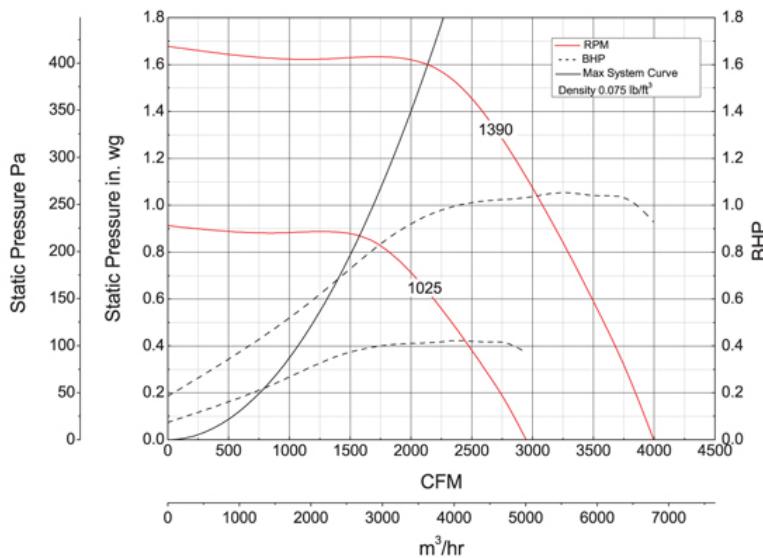


ES3236

MH12596



## 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              | Sealed Pillow Block           |
| Drive Package Description | Drives Assembled              |
| Warranty Length           | 1 Year                        |

## Motor Information

|                   |                 |
|-------------------|-----------------|
| Motor Item Number | 4YU30           |
| Voltage           | 115/208-230     |
| Hertz (Cycle)     | 60 Hz           |
| Motor Phase       | 1               |
| Motor Enclosure   | Open Drip Proof |
| RPM               | 1,725 rpm       |
| Full Load Amps    | 12.8/6.4-6.4    |

## Other Components

| Component       | Description   | Item # |
|-----------------|---------------|--------|
| Fan Description | Exhaust Fan   | —      |
| Belt            | AX22 (QTY: 1) | 3VU41  |
| Driver Sheave   | 1VP40x5/8     | 3X264  |
| Driven Sheave   | BK55H         | 3X587  |
| Driven Bushing  | H x 3/4       | 3X573  |

## Air &amp; 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        | 1.05    | 1390    | CFM   | 3996      | 3901      | 3806      | 3698      | 3584      | 3464      | 3340      | 3213      | 3078      | 2785      | 2394      |

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.

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 | 1361        | 1324          | 1286        | 1249            | 1212        | 1175            | 1137        | 1100            | 1063        | 1025            | —           |