

## 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

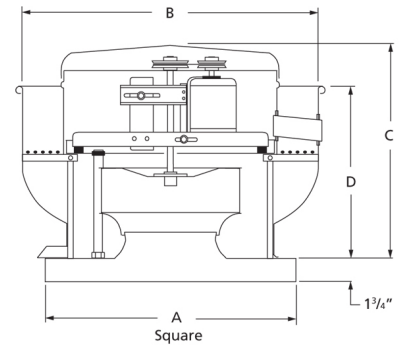
AMCA Sound & Air Dayton Electric Mfg. Co. certifies that the ventilators shown herein are licensed to use the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified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

UL/cUL 762



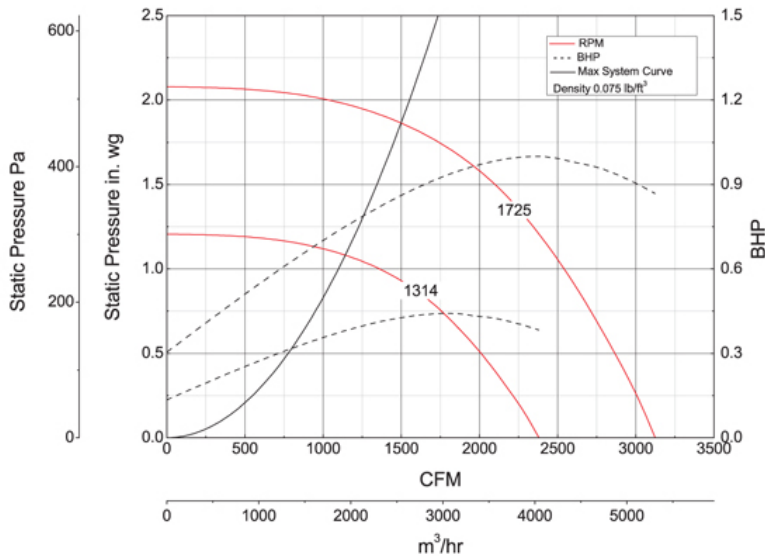
E53236  
MH12596

CSA Certified Motor



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

## Performance Characteristics



## Construction Features

<b>Impeller Diameter (Typ.)</b>	14 3/4 in
<b>Impeller Type</b>	Backward Inclined Centrifugal
<b>Impeller Material</b>	Aluminum
<b>Max Inlet Temp</b>	300 °F
<b>Bearing Type</b>	Sealed Pillow Block
<b>Drive Package Description</b>	Drives Assembled
<b>Warranty Length</b>	1 Year

## Motor Information

<b>Motor Item Number</b>	4YU38
<b>Voltage</b>	208-230/460
<b>Hertz (Cycle)</b>	60 Hz
<b>Motor Phase</b>	3
<b>Motor Enclosure</b>	Open Drip Proof
<b>RPM</b>	1,725 rpm
<b>Full Load Amps</b>	3.4-3.4/1.7

## Other Components

Component	Description	Item #
Fan Description	Exhaust Fan	—
Belt	AX21 (QTY: 1)	3VU40
Driver Sheave	1VL40x5/8	3X264
Driven Sheave	BK45H	3X583
Driven Bushing	H x 3/4	3X573

## Air & 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	1.750" SP
1	1.00	1725	CFM	3125	3066	3005	2936	2865	2789	2711	2629	2539	2339	2085	1704
			Sones	26.0	23.0	22.0	24.0	24.0	18.0	15.1	14.1	13.4	14.3	13.8	13.8

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	1725	1647	1600	1554	1507	1461	1415	1368	1322	1276	—