

## Assembled Centrifugal Belt-Drive Upblast Exhaust Ventilator



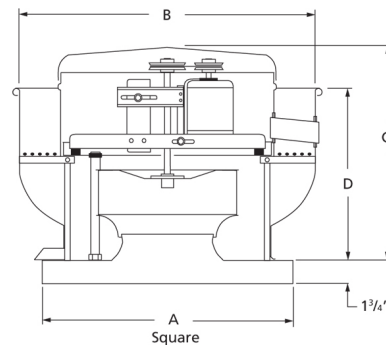
Designed for use in restaurants, schools, commercial, and industrial applications to exhaust contaminated air from kitchen range hoods, up and away from the roof. Leakproof, spun aluminum construction features a fully rolled windband for increased stability.

- 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
- Regreaseable 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.

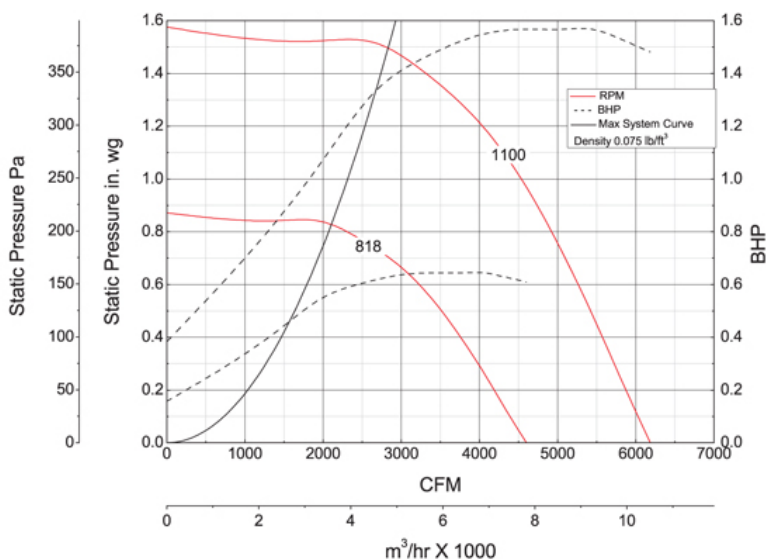


UL/cUL 762 CSA Certified Motor



A	B	C	D
30 in	35 3/8 in	34 3/4 in	21 in

### Performance Characteristics



### Construction Features

<b>Impeller Diameter (Typ.)</b>	21 1/4 in
<b>Impeller Type</b>	Backward Inclined Centrifugal
<b>Impeller Material</b>	Aluminum
<b>Max Inlet Temp</b>	300 °F
<b>Bearing Type</b>	Regreaseable Pillow Block
<b>Drive Package Description</b>	Drives Assembled
<b>Warranty Length</b>	1 Year

### Motor Information

<b>Motor Item Number</b>	4YU31
<b>Voltage</b>	115/208-230
<b>Hertz (Cycle)</b>	60 Hz
<b>Motor Phase</b>	1
<b>Motor Enclosure</b>	Open Drip Proof
<b>RPM</b>	1,725 rpm
<b>Full Load Amps</b>	13.2/7.2-6.6

### Other Components

Component	Description	Item #
Fan Description	Exhaust Fan	—
Belt	A27 (QTY: 1)	6A139
Driver Sheave	1VL40x5/8	3X264
Driven Sheave	AL64x3/4	4RYR7

### 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 1/2	1.57	1100	CFM	6187	5992	5798	5610	5421	5217	5006	4773	4529	3861
			Sones	23.0	23.0	23.0	22.0	21.0	21.0	20.0	19.8	19.3	18.6

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	1100	1055	1026	996	966	936	907	877	847	818	—