

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.

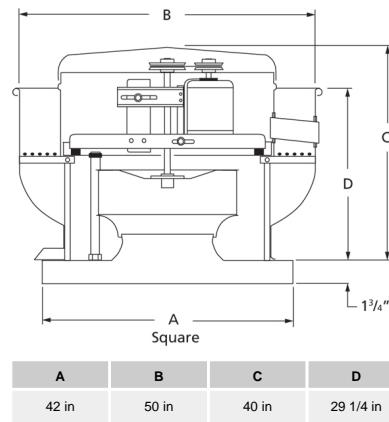
- Aluminum backward inclined, nonoverloading centrifugal wheel design
- Maximum inlet air temperature: 300° F
- NEMA 1 junction box located in motor enclosure
- Optional NEMA 1 and 4 disconnects available
- Regreaseable pillow block bearings
- UL/cUL 705 Listed for Power Ventilators
- UL/cUL 762 Listed 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
wear the AMCA seal.
The ratings shown are
based on test and
calibration performed
in accordance with
AMCA Publication 211
and AMCA Publication
311 and comply with the
requirements of the
AMCA Certified Ratings
Program.

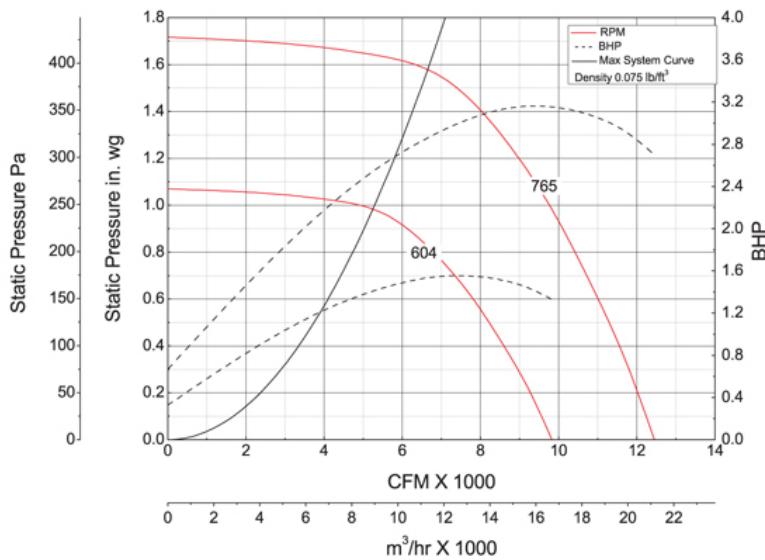
UL/cUL 762

UL US LISTED
ES3236
MH12596

CSA Certified Motor



Performance Characteristics



Construction Features

Impeller Diameter (Typ.)	30 1/2 in
Impeller Type	Backward Inclined Centrifugal
Impeller Material	Aluminum
Max Inlet Temp	300 °F
Bearing Type	Regreaseable Pillow Block
Drive Package Description	Drives Assembled
Warranty Length	1 Year

Motor Information

Motor Item Number	6XWJ0
Voltage	208-230/460
Hertz (Cycle)	60 Hz
Motor Phase	3
Motor Enclosure	Open Drip Proof
RPM	rpm
Full Load Amps	

Other Components

Component	Description	Item #
Fan Description	Exhaust Fan	—
Belt	A46 (QTY: 1)	3X471
Driver Sheave	1VP50x1 1/8	5UHT4
Driven Sheave	BK115QT	5RJG3
Driven Bushing	QTx1	5UHZ2

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
3	3.15	765	CFM	12,449	12,176	11,904	11,607	11,273	10,939	10,554	10,169	9,743	8,756	7,352

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	765	736	719	703	686	670	653	637	621	604	—