



Job Name: Mark:

Submitted By: Date:10/30/2025

CSA Certified Motor

Centrifugal Belt-Drive Downblast Exhaust Ventilator



Designed to meet the general clean air exhaust requirements for industrial and commercial buildings. Features a fully rolled windband bead for increased stability and easy transport. Fresh outside air is drawn in under the motor cover to maximize motor life.

- Aluminum backward inclined, nonoverloading centrifugal wheel design
- Maximum inlet air temperature: 180° F
- NEMA 1 junction box located in motor enclosure
- Optional NEMA 1 and 4 disconnects available
- Regreaseable pillow block bearings
- Air handling quality bearings meet minimum of L10-100,000 hours
- UL/cUL 705 Listed for Power Ventilators

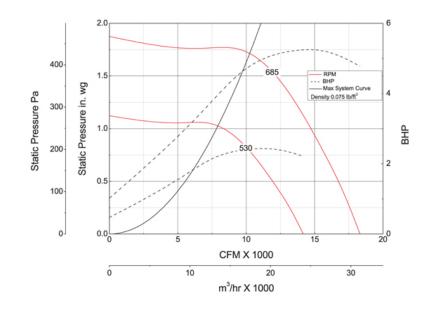




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	Square				
Α	В	С	D		
46 in	58 3/4 in	38 1/2 in	8 7/8 in		

Performance Characteristics



Construction Features

Impeller Diameter (Typ.)	36 in
Impeller Type	Backward Inclined Centrifugal
Impeller Material	Aluminum
Max Inlet Temp	180 °F
Bearing Type	Regreaseable Pillow Block
Drive Package Description	Drives Assembled
Warranty Length	1 Year

Motor Information

Motor Item Number	53J909
Voltage	208-230/460
Hertz (Cycle)	60 Hz
Motor Phase	3
Motor Enclosure	Open Drip Proof
RPM	1,725 rpm
Full Load Amps	

Other Components

Component	Description	Item #
Fan Description	Exhaust Fan	_
Belt	A50 (QTY: 2)	3X546
Driver Sheave	2VP56x1-1/8	3X400
Driven Sheave	2BK140H	3X571
Driven Bushing	H x 1-1/4	3X579

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
5	5 5.23	685	CFM	18,322	17,941	17,560	17,179	16,711	16,243	15,774	15,242	14,710	13,535	12,119
5	0.20		Sones	30.0	30.0	29.0	29.0	28.0	28.0	26.0	25.0	24.0	23.0	22.0

Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen in the airstream. 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	685	671	657	644	631	617	604	591	577	564	_