

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.

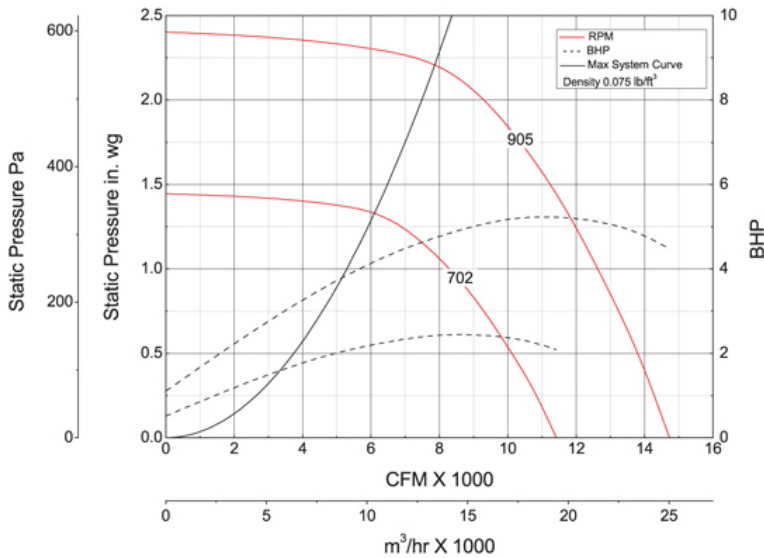


UL/cUL 762
CSA Certified Motor



A	B	C	D
42 in	50 in	40 in	29 1/4 in

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	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	B54 (QTY: 1)	6X875
Driver Sheave	1VP71x1-1/8	2L486
Driven Sheave	BK140H	3X607
Driven Bushing	H x 1	3X576

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	2.000" SP
5	5.21	905	CFM	14,727	14,497	14,266	14,036	13,788	13,505	13,223	12,940	12,614	11,963	11,191	10,357	9178
			Sones	32.0	32.0	32.0	30.0	29.0	29.0	28.0	28.0	28.0	27.0	26.0	24.0	22.0

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	905	875	862	849	837	824	811	798	785	772	—