

## Heavy-Duty Belt-Drive Exhaust Fan



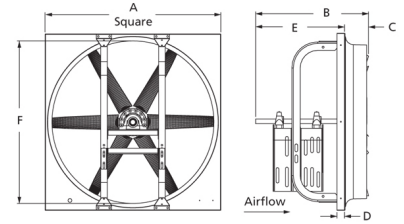
Designed for commercial and industrial applications requiring high volume of air at low to medium static pressures. Construction includes heavy-duty drive frame channels, bearing plate and motor plate. Propeller utilizes a six-blade heavy-duty cast aluminum design. Mount in vertical position for exhaust applications or horizontal position for supply applications.

- Variable pitch adjustable motor pulley to optimize fan performance
- Maximum inlet air temperature: 104° F
- 6-Blade heavy-duty cast aluminum propellers



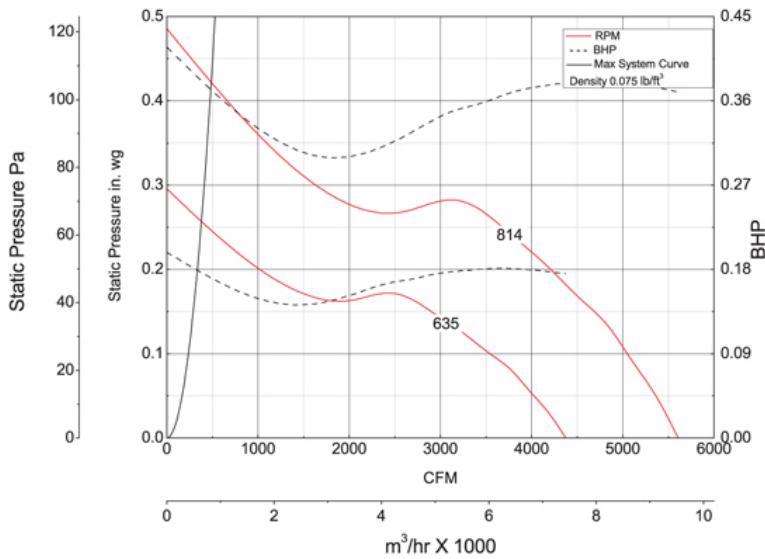
Dayton Electric Mfg. Co. certifies that the fans shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

UL/cUL 705



A	B	C	D	E	F
28 in	18 in	4 3/8 in	1 1/4 in	13 5/8 in	24 3/8 in

## Performance Characteristics



## Construction Features

<b>Impeller Diameter (Typ.)</b>	24 in
<b>Impeller Type</b>	Propeller
<b>Impeller Material</b>	Steel
<b>Number of Blades</b>	5
<b>Max Inlet Temp</b>	120 °F
<b>Bearing Type</b>	Sealed Pillow Block
<b>Drive Package Description</b>	Drives By Others
<b>Warranty Length</b>	1 Year

## Motor Information

<b>Motor Item Number</b>	4K252
<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>	6.6/3.4-3.1

## Other Components

Component	Description	Item #
Fan Description	Exhaust Fan	1AHA8
Belt	4L370 (QTY: 1)	4L370
Driver Sheave	1VP4412	5UHR9
Driven Sheave	BK95	5UHF9
Driven Bushing	QT34	5UJA2

## Air & Sound Performance

Motor HP	Max BHP	Fan RPM	CFM @	0.000" SP	0.125" SP	0.250" SP
1/3	0.40	706	CFM	5934	4912	—
			Sones	15.8	13.6	—
1/2	0.60	808	CFM	6791	5985	—
			Sones	18.2	16.4	—
3/4	0.90	924	CFM	7766	7078	6127
			Sones	22.0	21.0	19.9

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 fan 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	814	797	777	756	736	716	696	676	656	635	—