

Medium-Duty Belt-Drive Exhaust Fan

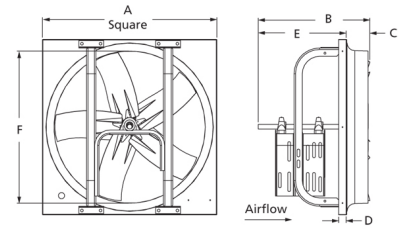


Designed for commercial and industrial applications requiring high volumes of air at low static pressures. Construction includes heavy-duty drive frame rails and one-piece motor/bearing plate. Propeller utilizes a five-blade reinforced galvanized steel design which provides low sound levels. Mount in 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
- 5-Blade reinforced galvanized steel propellers

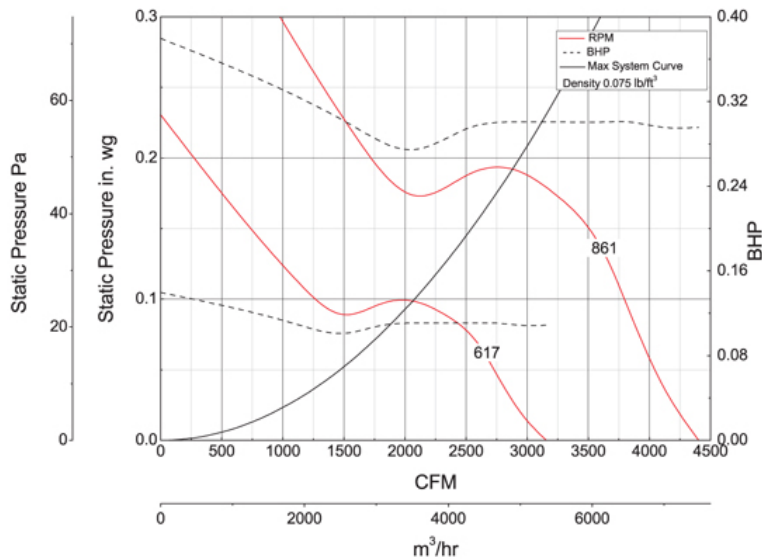


Dayton Electric Mfg. Co. certifies that the fans shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



A	B	C	D	E	F
24 in	19 1/2 in	3 1/4 in	1 in	16 1/4 in	20 1/2 in

Performance Characteristics



Construction Features

Motor Item Number	1 Year
3K091	Voltage

Motor Information

Open Drip Proof	Component	Description
Item #	Fan Description	Exhaust Fan
RPM	3FKD8	Belt
1,725 rpm	4L290 (QTY: 1)	Full Load Amps
4L290	Driver Sheave	1VP3412

Other Components

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

Air & Sound Performance

Motor HP	Impeller Material	Max BHP	Fan RPM	CFM @	0.000" SP
0.125" SP	1/3	0.40	947	CFM	4844
				Sones	16.1

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	617	953	923	—	892	862	831	801	770	740	709