Dayton

Stock No.
7AR54
(Fan Model 1AHA8)

Job Name:
Mark:

Submitted By:
Date:11/29/2026

Fans

Heavy-Duty Belt-Drive Exhaust Fan



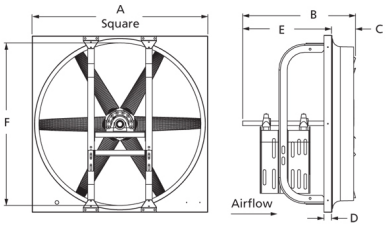
Designed for commercial and industrial applications requiring high volume of air at low to medium static pressures. Construction includes heavy-duty drive frame channels, bearing plate and motor plate. Propeller utilizes a six-blade heavy-duty cast aluminum design. Mount in vertical position for exhaust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

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

AMCA Sound & Air

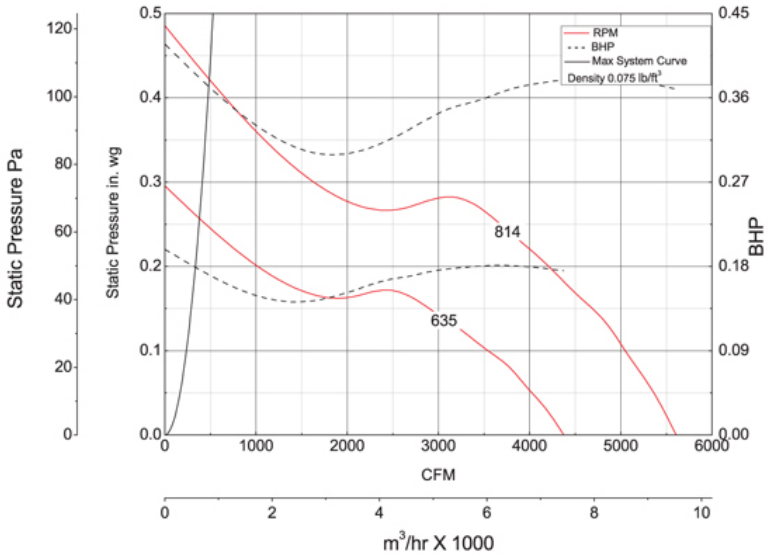
Dayton Electric Mfg. Co. certifies that the fans shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

UL/cUL 705
E53236



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

Impeller Diameter (Typ.)	24 in
Impeller Type	Propeller
Impeller Material	Cast Aluminum
Max Inlet Temp	104 °F
Bearing Type	Regreaseable Cast Pillow Block
Drive Package Description	Drives Packaged Separately
Warranty Length	1 Year

Motor Information

Motor Item Number	4K252
Voltage	115/208-230
Hertz (Cycle)	60 Hz
Motor Phase	1
Motor Enclosure	Open Drip Proof
RPM	1,725 rpm
Full Load Amps	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	0.38	814	CFM	5608	4889	3679
			Sones	14.2	14.2	16.3

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	—