



Stock No.  
**7M8A6**  
(Fan Model 1AHA9)

Job Name:  
Mark:

Submitted By:  
Date:5/20/2024

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: 104° F
- 6-Blade heavy-duty cast aluminum propellers



### GREEN Product

- Motor is VFD Compatible
- Meets Minimum & Optimize Energy Performance

AMCA Sound & Air

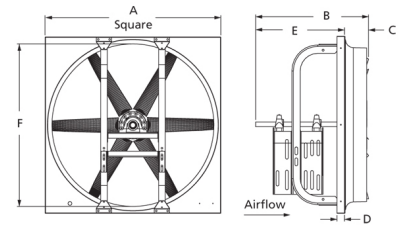


Dayton Electric Mfg. Co. certifies that the fans shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

UL/cUL 705

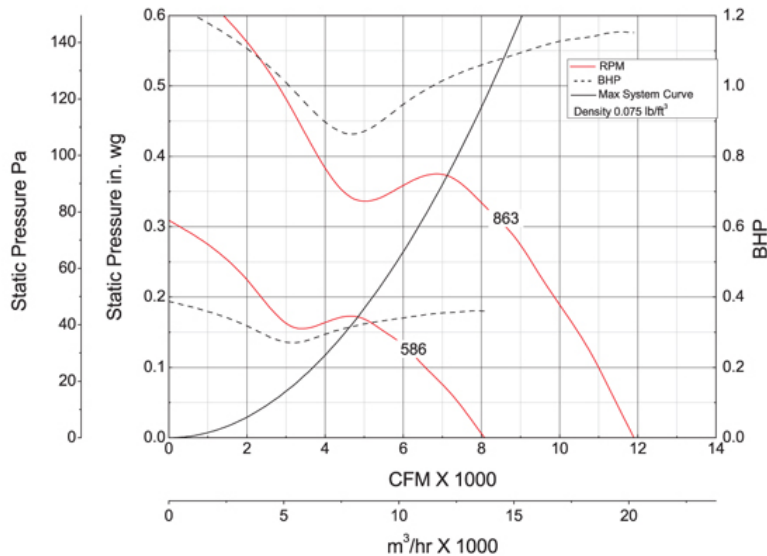


E53236



A	B	C	D	E	F
34 in	20 in	5 1/4 in	1 1/4 in	14 3/4 in	30 3/8 in

## Performance Characteristics



## Construction Features

Impeller Diameter (Typ.)	30 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	2NKX4
Voltage	208-230/460
Hertz (Cycle)	60 Hz
Motor Phase	3
Motor Enclosure	Totally Enclosed Fan-Cooled
RPM	1,760 rpm
Full Load Amps	3.2-3.2/1.6

## Other Components

Component	Description	Item #
Fan Description	Exhaust Fan	1AHA9
Belt	A35 (QTY: 1)	3X620
Driver Sheave	1VP3478	5UHR2
Driven Sheave	641B	6YRE2
Driven Bushing	SDS1	5YLH1

## Air & Sound Performance

Motor HP	Max BHP	Fan RPM	CFM @	0.000" SP	0.125" SP	0.250" SP
1	1.15	863	CFM	11,901	10,739	9276
			Sones	23.0	24.0	25.0

Performance certified 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	863	841	812	784	756	728	699	671	643	614	586