

# Magnum 58" Exhaust Fan

The Magnum 58" Exhaust Fan uses a maintenance-free, direct drive, permanent magnet motor. It eliminates the need for greasing bearings and changing belts. The housing is made of strong poly, while the frame is all stainless-steel preventing rust and corrosion in any environment. The complete fan includes durable poly damper doors that seal out air and light when closed.

The Magnum 58" Exhaust Fan is designed to operate in the full range from minimum ventilation, to maximum power using basic 0-10 volt control signal which eliminates the need for smaller fans. Because of the high-performance of the Magnum 58", you'll use 25% fewer fans on your next project, making it your most economical choice.



## JD-Drive Motor

- PM Direct Drive, efficient 2.2kW motor
- Internal motor drive - no VFD needed
  - Provides soft starts
  - Enables variable speed
  - Allows for precise and uniform speed control
- Surge protection
- Locked rotor protection
- Overload protection
- Thermal foldback protection
- IP66-Rated
- **3 Year Warranty**
- Industrial aluminum housing
- Will not interfere with RFID



## Shipping

- Easy to assemble and packaged for reduced shipping cost
- 75 fans per 53' van trailer truckload

**⚠ WARNING:** This product can expose you to chemicals including chromium, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov/product](http://www.P65Warnings.ca.gov/product).

# Magnum 58" Exhaust Fan



With an  
Incredible  
Air Flow Ratio  
of **0.83**

Part #	Sz	Spd	@ 0.10" SP			Drive	Prop	
			CFM	CFM/ Watt	FEI			
Single Phase								
VMF58DS3C221AG	58"	1/V^	100%	41,470	18.5	2.13	PM-D	3-SS
			90%	35,752	21.9	2.55		
			80%	30,707	25.5	3.00		
			70%	25,018	29.3	3.49		
			60%	18,364	32.0	3.91		
Three Phase								
VMF58DS3C223BG	58"	1/V^	100%	41,184	19.1	2.20	PM-D	3-SS
			90%	35,787	22.6	2.63		
			80%	30,848	25.7	3.01		
			70%	25,187	29.8	3.51		
			60%	17,411	30.5	3.72		
VMF58DS3C223CG	58"	1/V^	100%	41,422	18.9	2.18	PM-D	3-SS
			90%	35,849	21.8	2.54		
			80%	30,681	25.2	2.94		
			70%	24,975	28.9	3.44		
			60%	17,688	30.4	3.71		

Rough Opening - 65¼" W x 65¼"H

Side-By-Side Recommended OC Dimension for Fan with Cone - Minimum 75"

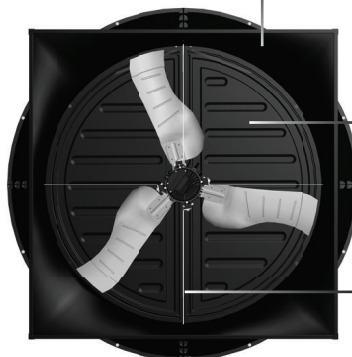
\* Experts choice

<sup>^</sup> Variable speed fans require separate variable speed control to adjust fan speed.

**Bold red text is data based on testing performed by an accredited lab using ANSI/AMCA 210-07 standard.**

## Housing

- Rugged, corrosion-resistant poly with UV inhibitor
- Precision injection molded



Shown with guard removed  
(Never permit power to fan with guard removed)

## Damper Doors

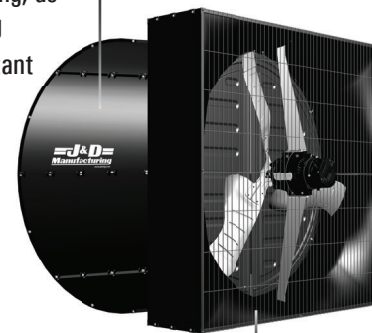
- Edged with magnets and 360° of rubber seal to minimize air infiltration
- Dual tension springs
- Durable poly with UV inhibitor will endure even the harshest conditions

## Motor Frame

- 304 stainless-steel for corrosion-resistance
- Motor-centric with minimal air impedance

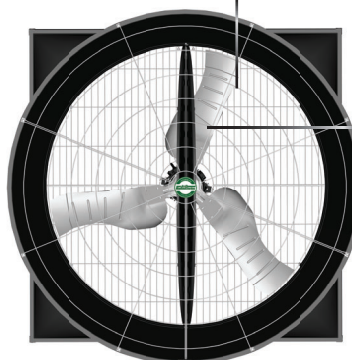
## Cone

- Deep for superior performance
- Multi sections makes for ease in handling when installing, as well as reduced shipping
- Rugged, corrosion-resistant poly with UV inhibitor



## Guards

- Corrosion-resistant stainless-steel



## Prop

- 3 corrosion-resistant 304 stainless-steel blades
- 304 stainless-steel hub

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