

# 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.

**3 Year Warranty  
on ENTIRE fan**



## 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
- IP65-Rated
- Industrial cast-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

Part #	Sz	Spd	@ 0.10" SP			Drive	Prop	
			CFM	CFM/ Watt	FEI			
Single Phase								
VMF58DP3C221A	58"	1/V^	100%	42,652	18.4	2.11	PM-D	3-Ply
			90%	36,910	20.8	2.40		
			80%	31,794	24.6	2.86		
			70%	26,314	28.0	3.31		
			60%	18,378	29.2	3.54		
VMF58DP3C221A-HR	58"	1/V^	100%	36,400	21.9	2.54	PM-D	3-Ply
			90%	32,200	25.8	3.02		
			80%	27,400	30.2	3.55		
			70%	22,400	33.8	4.04		
			60%	14,500	30.8	3.82		
VMF58DP3C221A-HE	58"	1/V^	100%	37,900	20.0	2.32	PM-D	3-Ply
			90%	33,200	23.7	2.76		
			80%	28,700	27.7	3.26		
			70%	23,700	31.4	3.74		
			60%	15,700	30.5	3.75		
Three Phase								
VMF58DP3C223B	58"	1/V^	100%	42,238	17.8	2.04	PM-D	3-Ply
			90%	34,250	18.2	2.14		
			80%	28,777	21.4	2.52		
			70%	23,280	25.1	2.99		
			60%	17,465	29.5	3.59		
VMF58DP3C223B-HR	58"	1/V^	100%	36,900	21.8	2.52	PM-D	3-Ply
			90%	32,600	25.5	2.98		
			80%	26,000	25.5	3.01		
			70%	20,800	29.1	3.49		
			60%	15,400	32.6	4.01		
VMF58DP3C223B-HE	58"	1/V^	100%	38,500	20.9	2.42	PM-D	3-Ply
			90%	34,100	23.5	2.74		
			80%	29,200	27.6	3.24		
			70%	21,900	28.0	3.35		
			60%	16,400	31.1	3.80		
VMF58DP3C223C	58"	1/V^	100%	41,385	18.2	2.08	PM-D	3-Ply
			90%	36,165	21.4	2.46		
			80%	31,035	24.5	2.87		
			70%	25,440	29.1	3.45		
			60%	18,124	29.3	3.56		
VMF58DP3C223C-HR	58"	1/V^	100%	36,700	22.2	2.57	PM-D	3-Ply
			90%	32,200	25.3	2.95		
			80%	25,800	25.1	2.97		
			70%	20,700	28.6	3.44		
			60%	15,200	32.1	3.94		
VMF58DP3C223C-HE	58"	1/V^	100%	38,400	20.7	2.40	PM-D	3-Ply
			90%	33,800	23.8	2.77		
			80%	29,000	27.5	3.23		
			70%	21,600	27.3	3.27		
			60%	16,200	30.6	3.76		

Rough Opening - 65¼" W x 65¼" H

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

\* Experts choice

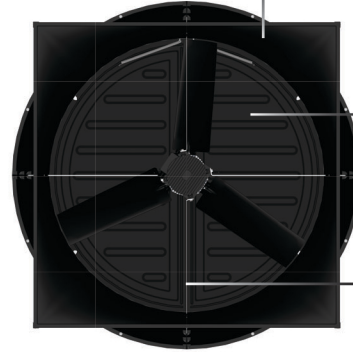
^ Variable speed fans require separate variable speed control to adjust fan speed.

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

With an  
Incredible  
Air Flow Ratio  
of **0.87**



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

## Damper Doors

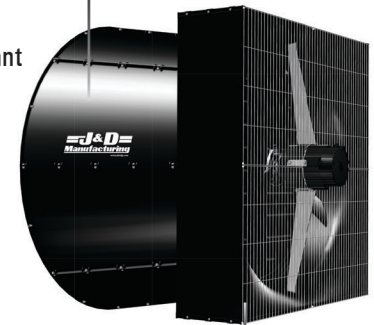
- Edged with magnets and 360° of rubber seal to minimize air infiltration
- Dual tension springs
- Durable poly with UV inhibitor will endure even the harshest conditions

## 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 glass-filled poly composite blades
- Die-cast aluminum hub

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