



J&D
Manufacturing

Exhaust Fan

MAGNUM 58" EXHAUST FAN

PROBABLY THE WORLD'S BEST FAN

How can *you* benefit from the **Magnum**?

With an incredible airflow rate of 0.87

The Magnum 58" Exhaust Fan uses the JD-Drive - 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" 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.



BEST FREIGHT EFFICIENCY

- Get up to 75 individually boxed fans on each truck
- Easy to assemble



HIGHEST PERFORMANCE

- 42,652 CFM at 0.10" SP
- 40,563 CFM at 0.15" SP
- Perfect fan for the hottest days
- Quiet - max indoor decibels = 83



MAINTENANCE FREE

- No belts, pulleys tensioners, bearings, or gears
- Rugged, corrosion-resistant housing
- Durable, rust-free hardware



BEST ENERGY EFFICIENCY

- Variable speed compatible
- Precise and uniform speed control
- Slow down power and increase CFM/watt

Shipping & Mounting

Mounts Flush to the Wall

The Magnum 58" Exhaust Fan easily mounts in the rough opening and flush with the interior of the building.

It can also be mounted in a 2x4 or 2x6 wall.

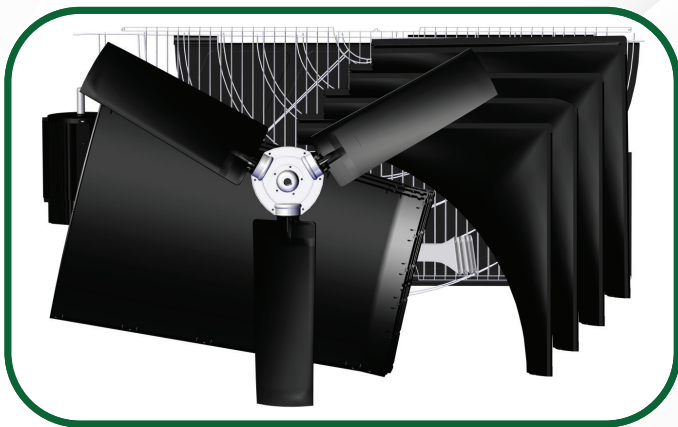
- Rough Opening = 65¼" x 65¼"



Shipping

The Magnum 58" Exhaust Fan is easy to assemble, and it's packaged in such a way to reduce shipping costs. You can get up to 75 fans per truckload.

When ordering, each fan will come in it's own individual box, knocked down. This makes installation a breeze by having all pieces and hardware in one location for each fan.



Magnum

58"



Cone

- Deep for superior performance
- Multi-sections makes for ease in handling when installing and for reduced shipping costs

Prop

- 3 Glass-filled poly composite blades for reinforcement
- Die cast aluminum hub
- Airfoil profile
- Optimally pitched for increased performance



Guard

- Corrosion-resistant stainless-steel

Damper Doors

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

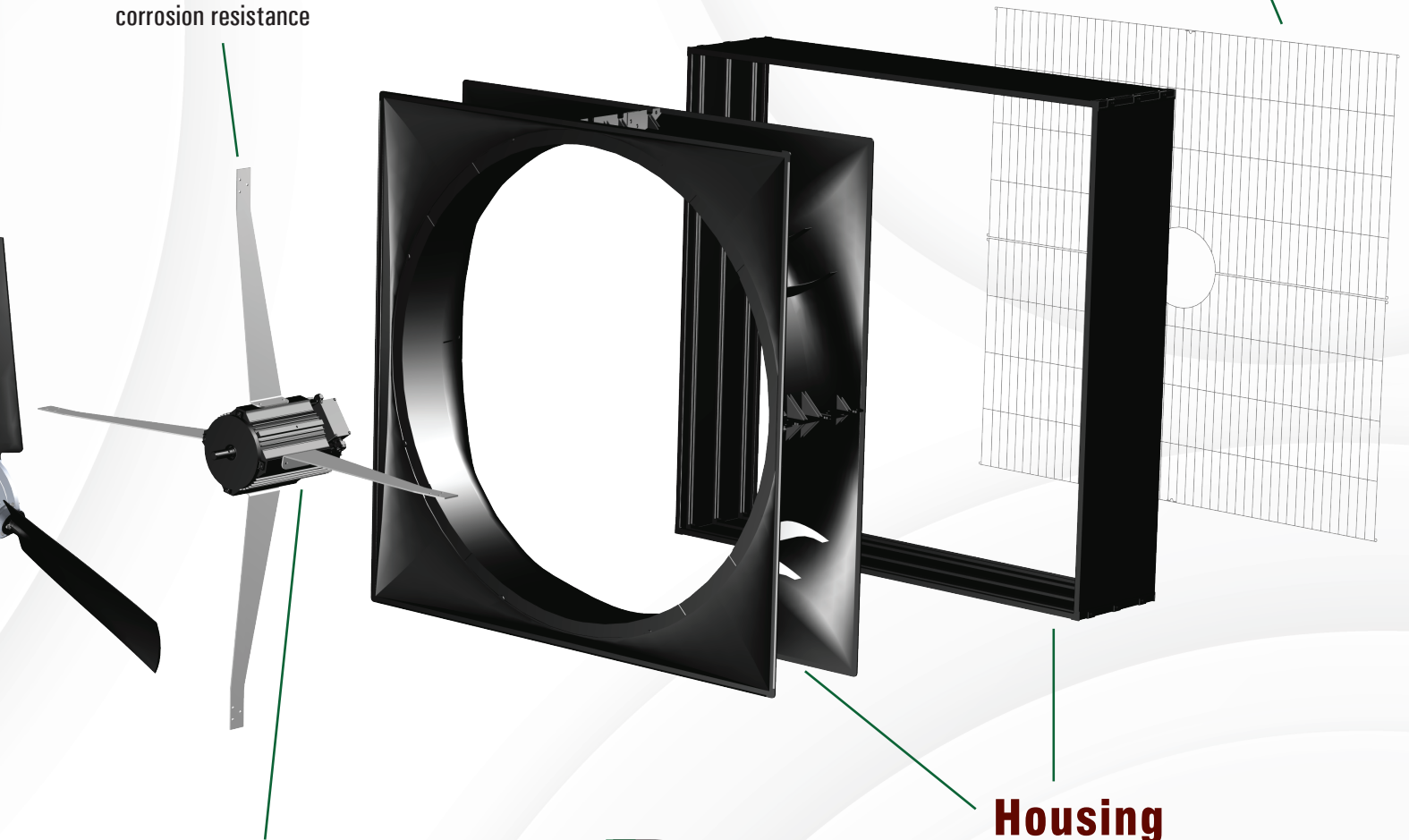
Exhaust Fan

Motor Frame

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

Guard

- Corrosion-resistant stainless-steel



JD-Drive Motor

- PM Direct Drive, efficient 2.2kW motor
- Internal Motor Drive
 - Soft Start
 - Variable speed
 - Precise and uniform speed control
- Surge Protected



- IP65-Rated
- Industrial extruded aluminum housing
- Will not interfere with RFID
- Pre-wired with 8' line power cord and 8' signal cord

Housing

- Rugged, corrosion-resistant poly
- Precision injection molded

Fans are designed not to exceed 110°F or 0.30"SP. Exceeding these limits will void warranty.

Proven Performance Data

J&D Manufacturing prides itself on being completely transparent when it comes to performance data. The Magnum 58" Exhaust Fan was tested in an accredited AMCA Air Test Chamber, as well as at BESS Lab. When creating the Magnum, it was our goal for it to be **the best fan in the world**.

	RPM	0.0 SP		0.05 SP		0.10 SP		0.15 SP		0.20 SP	
		CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt
100% Power	600	46,099	22.4	44,189	20.6	42,652	18.4	40,563	16.4	38,330	14.8
90% Power	540	41,313	26.5	39,172	23.5	36,910	20.8	34,724	18.3	32,341	16.1
80% Power	480	36,088	33.0	33,933	28.3	31,794	24.6	29,024	21.1	25,776	17.8
70% Power	420	31,915	42.4	29,056	34.6	26,314	28.0	20,683	20.7	16,847	16.7
60% Power	360	25,881	50.6	22,570	39.0	18,378	29.2	13,954	21.5	7,609	10.4

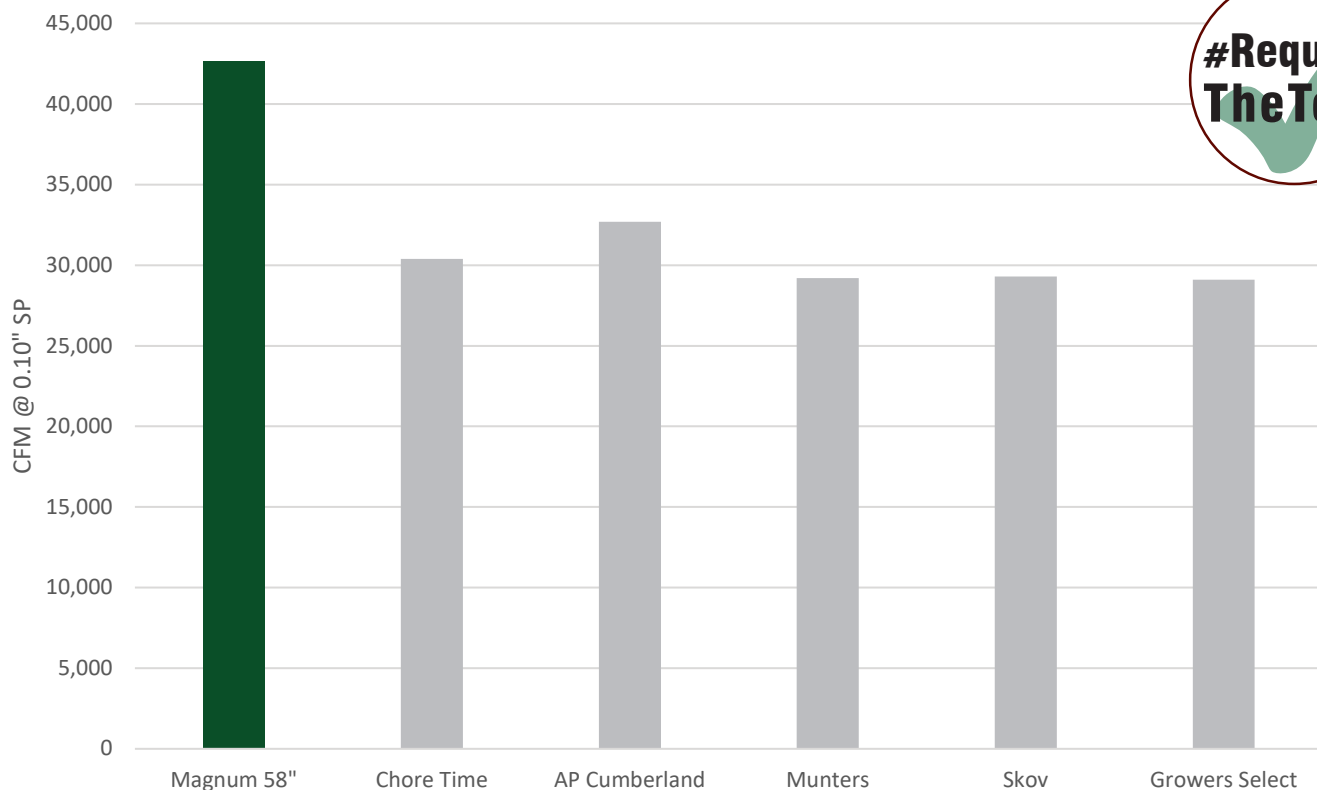
What happens when you only apply a certain percentage power to the Magnum 58" Exhaust Fan? **You save energy!** This is especially beneficial for minimum winter ventilation. Still get the airflow you need, but save on your energy bill.

**60% = 39.0 CFM/Watt
@0.05" SP**

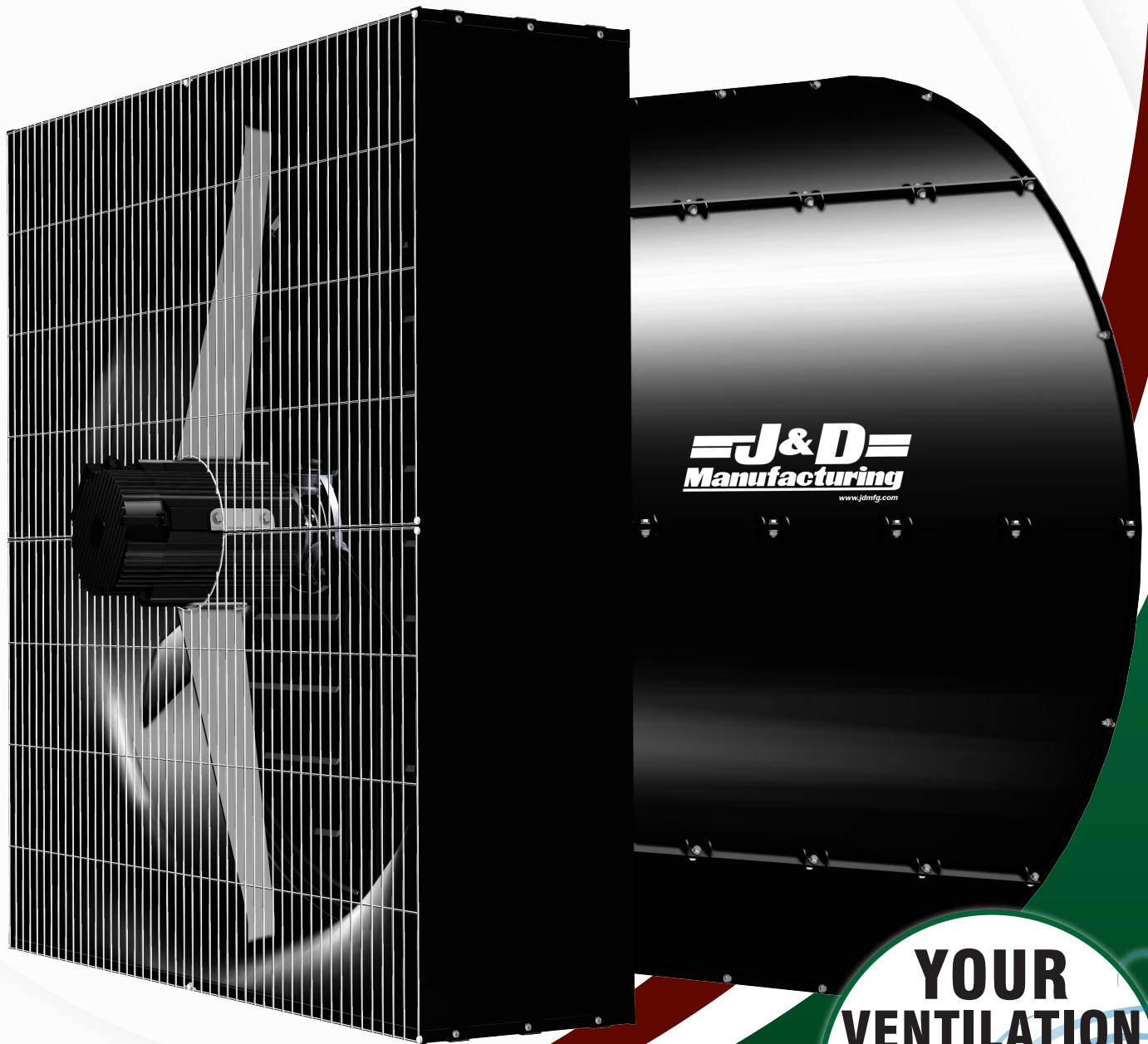
**Run at 60% RPMs &
\$ave up to 73%
in energy costs!**

**46,099 CFM
@0.0" SP**

Performance of Magnum vs. Competitor Fans



**#Request
TheTest**



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VENTILATION
EXPERTS**

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Text "Magnum" to
51660 to view an
interactive, 3D tour!

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