

**New Models
Available!**



**J&D
Manufacturing**

Exhaust Fan

MAGNUM 58" EXHAUST FAN
PROBABLY THE WORLD'S BEST FAN

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

**Super Magnum
Airflow Ratio:
0.91**

The Magnum 58" Exhaust Fan uses a 2.2kW or 4.0kW motor. The motors are maintenance-free, direct drive, and variable speed ready. Direct Drive eliminates the need for greasing bearings, changing oil in gear boxes, and changing belts. The housing on the Magnum 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 55 individually boxed Super Magnums on each truck
- Get up to 75 individually boxed Standard Magnums on each truck
- Easy to assemble



HIGHEST PERFORMANCE

- Super Magnum: 50,002 CFM at 0.10" SP.
- Standard Magnum: 41,422 CFM at 0.10" SP
- Perfect fan for the hottest days



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.

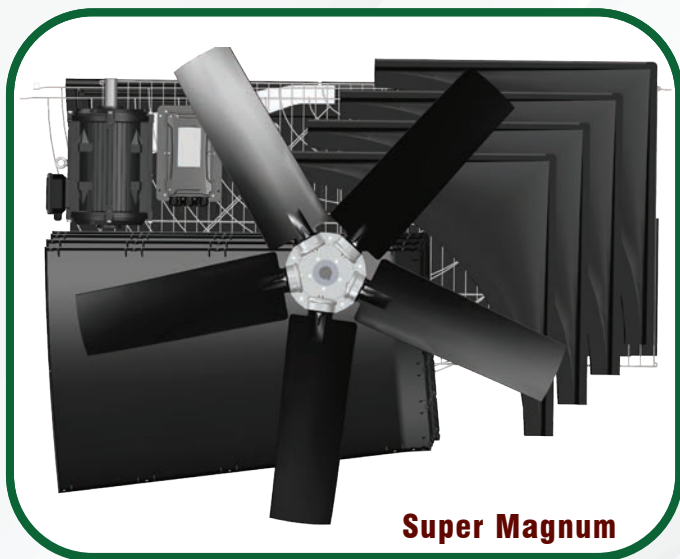
- Rough Opening = 65¼" x 65¼"



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 55 Super Magnums per truckload. And you can get up to 75 Standard Magnums 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"

**SUPER
MAGNUM**

Cone

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

Prop

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

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

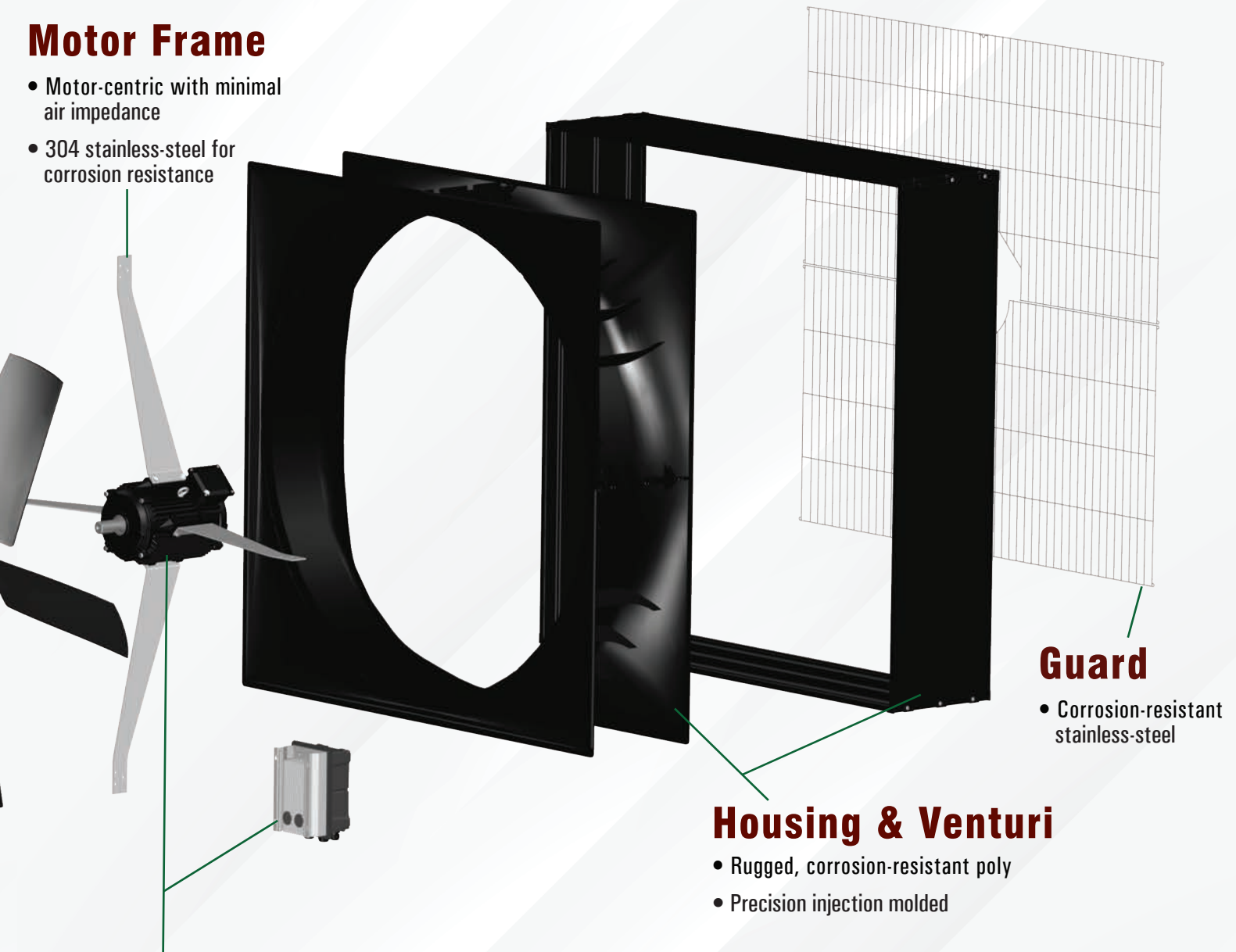
Guard

- Corrosion-resistant stainless-steel

Exhaust Fan

Motor Frame

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



Guard

- Corrosion-resistant stainless-steel

Housing & Venturi

- Rugged, corrosion-resistant poly
- Precision injection molded

4.0kW Motor with Driver

- Externally Mounted Driver
 - Soft Start
 - Variable speed
 - Precise and uniform speed control
- Surge Protected
- IP66-Rated
- Industrial extruded aluminum housing on motor
- Will not interfere with RFID
- Pre-wired with 8' line power cord and 8' signal cord

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

Standard Model (VMF58DS3C223CG – 58", PM-DD, 460V, 2.2kW, 3PH, 3-SS, Damper Door, w/Cone)

J&D's most popular Magnum is the high voltage version. It comes with an impressive 2.2kW *permanent magnet, direct drive motor* that is variable speed with no external VFD needed. The internal onboard driver is integrated right into the motor. This impressive fan performs outside of the testing capabilities at Bess Lab and provides 41,470 CFM at 0.10" SP. (AMCA Certified Data)

**Airflow Ratio:
0.83**

**Fan Energy Index:
2.18**

**18.9 CFM/Watt
at 0.10" SP**

The Magnum is perfect for any application!



Super Magnum (VSMF58DP5C403C - 58", PM-DD, 460V, 4.0kW, 3PH, 5-Ply, Damper Door, w/Cone)

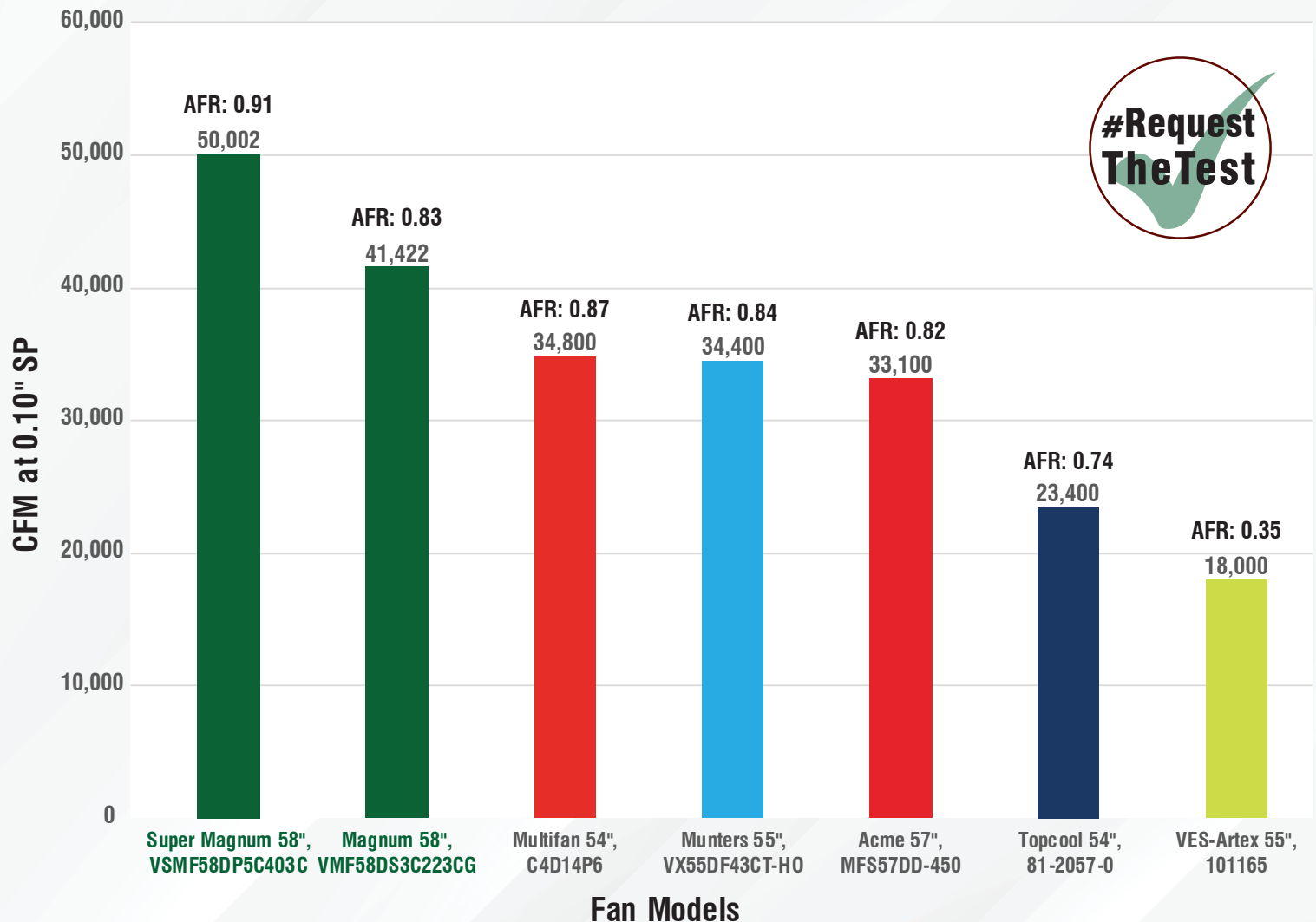
The NEW Super Magnum features a *permanent magnet, direct drive motor* that is variable speed and comes with external driver mounted outside of the fan. This fan outperforms any fan in its class size -certified at 50,002 CFM at 0.10" SP! That's a 20% increase in CFM over the already impressive standard model!

**Airflow Ratio:
0.91**

**Fan Energy Index:
1.66**

**Run at 60% speed
and \$ave up to 72%
in energy costs!**

Performance of Super Magnum vs. Competitor Fans 54"- 59", 3PH, High Voltage



All data comes from BESS Lab or is published on the company's own website.



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