

50,000 CFM DIESEL DUST COLLECTOR



A dust collector creates an engineered air flow in an enclosure, providing ventilation and collecting airborne dust and debris. Blast jobs performed in an enclosure requires a dust management system for compliance with OSHA regulations governing the work site. Removing airborne dust and debris from an enclosure improves work site safety and visibility, increasing production rates. The Marco® 50,000 CFM Tier 4 Diesel Dust Collector has a reverse incline blade fan matched to a 174 horsepower Tier 4 diesel engine to generate up to 50,000 CFM of air flow. Typical applications include blast rooms, blast yards, bridges, oil refineries, offshore platforms, pipelines, shipyards, storage tanks, and water treatment plants.

INCREASED PRODUCTION

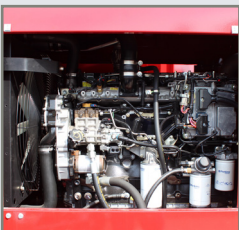
The Marco 50,000 CFM Tier 4 Diesel Dust Collector creates an engineered air flow up to 50,000 cubic feet per minute, providing ventilation and collecting airborne dust and debris from an enclosed work site. By removing airborne dust and debris, workers have better visibility to the work surface, increasing production rates.

AVAILABILITY

As the largest provider of surface preparation and protective coatings equipment in the world, our inventory levels and product availability are unmatched.

COMMITMENT TO QUALITY

Our commitment to producing the highest quality products in the industry demands strict control over our raw materials and manufacturing processes. All components used in the manufacturing of Marco products adhere to strict process controls as specified by Allredi's Quality and Engineering team.



The Marco 50,000 CFM Tier 4 Diesel Dust Collector has a 174 HP Tier 4 Diesel Engine, with a proven history of reliability, ease of maintenance, and are supported by a vast network of service centers.



Four 20" I.D. duct hose inlet ports positioned for work site application flexibility with two at the rear, and one on each side.



The reverse incline blade fan matched with the diesel engine produces up to 50,000 CFM of air flow at 1,600 RPM, delivering optimal performance over other dust collectors in its class.



Filter Cartridges are available with multiple filter media options for your work site applications.



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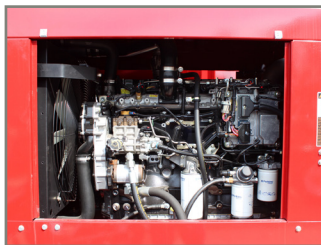


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50,000 CFM DIESEL DUST COLLECTOR



174 HP TIER 4 DIESEL ENGINE

The diesel engine powering the 50,000 CFM dust collector has a proven history of reliability, ease of maintenance, and are supported by a vast network of service centers.

ELECTRONIC ENGINE CONTROL

The electronic engine control adjusts engine speed and monitors the engine's performance, including oil pressure, RPM, engine temperature, and voltage. The control interface and digital display make operation and monitoring simple.



MANUAL TWIN PLATE PTO CLUTCH

The Power-Take-Off (PTO) clutch transfers power from the diesel engine to the reverse incline blade fan. The manual engagement system provides proven performance and reliability, reducing downtime compared to complex hydraulic systems.

REVERSE PULSE JET SYSTEM

The reverse pulse jet system sends intermittent bursts of compressed air into the interior of the filter cartridges, purging collected dust and debris from the exterior of the filter cartridges. Collected dust and debris falls to the bottom of the hopper for removal by the auger system.



AUGER SYSTEM

A 6" screw-flight auger system moves the collected dust and debris from the hopper. The elevated position of the discharge point is compatible with a variety of receptacles. A 6" I.D. flexible discharge hose and drum cover is included for use with a 55 gallon drum.

EMERGENCY-STOP DEVICES

Emergency-Stop Devices are located at the rear of the unit and the operator station for fast system shutdown.



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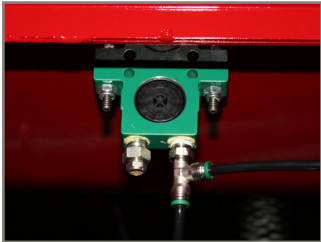
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50,000 CFM DIESEL DUST COLLECTOR



20" I.D. DUCT HOSE INLET PORTS

The Marco 50,000 CFM Tier 4 Diesel Dust Collector has six 20" I.D. duct hose inlet ports positioned for work site application flexibility with two at the rear, and two on each side.



HOPPER-MOUNTED PNEUMATIC VIBRATORS

Hopper-mounted pneumatic vibrators move collected dust and debris from hopper walls into the auger system for discharge. By minimizing the amount of dust and debris collected on the hopper walls, cleaning and maintenance time is reduced.

LARGE ACCESS MANWAY

The 20" square access manway is designed for easy access to internal components for cleaning and maintenance.



DUST COLLECTOR FILTER CARTRIDGES

The Marco 50,000 CFM Tier 4 Diesel Dust Collector includes 38 filter cartridges to collect and trap airborne dust and debris. Filter cartridges are available with multiple filter media options for your work site applications.

PREMIUM TIRES

The premium ST285/80R16E (10-ply rated) tires are specifically designed for trailer applications with improved handling on highways and an extended life.



ONBOARD HOSE STORAGE

The trailer design provides space for on-board storage of up to 150 feet of 20" I.D. duct hose.



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50,000 CFM ELECTRIC DUST COLLECTOR



KEY FEATURES:

- 50,000 CFM Dust Collector
- 36,880 - 50,490 CFM capacity
- 56 filters required
- Six 20" duct hose connections
- Backward inclined, spark resisting fan
- 174 HP, Tier 4 diesel engine
- Requires 24 CFM @ 90 PSI
- 19,900 empty weight, 3980 tongue weight
- Dimensions: 102" W x 435" L x 134" H

OPTIONAL ACCESSORIES

Filter Cartridges



Filter Cartridges are available with multiple filter media options.

Duct Hose



Duct hose is available in multiple sizes and lengths to customize your work site.

Duct Hose Couplings and Clamps



Duct hose couplings and clamps are available in multiple styles and sizes to work with your duct hose.

Cartridge-Style Respirators



Allredi offers several different types of cartridge-style respirators and replacement cartridges.



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