

# 50,000 CFM ELECTRIC DUST COLLECTOR



A dust collector creates an engineered air flow in an enclosure, providing ventilation and collecting airborne dust and debris. Abrasive blasting 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 Electric Dust Collectors have a reverse incline blade fan matched to a 150 horsepower Electric motor 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 Electric 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 150 horsepower electric Baldor® motors have a proven history of reliability, ease of maintenance, and are supported by a vast network of service centers.



The reverse incline blade fan matched with the Baldor motor produces up to 50,000 CFM of air flow, delivering optimal performance over other dust collectors in its class



The Marco 50,000 CFM Electric 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.



Easy-to-access control box with Emergency Stop Button for fast system shutdown.



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# 50,000 CFM ELECTRIC DUST COLLECTOR



## 150 HP ELECTRIC MOTOR BY BALDOR®

Baldor motors have a proven history of reliability, ease of maintenance, and are supported by a vast network of service centers.

## 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.



## 20" I.D. DUCT HOSE INLET PORTS

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## 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 Electric 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.



## OPTIONAL TRAILER OR SKID MOUNT

Choose between a portable highway trailer for mobile operations or a skid frame for long-term, stationary work.



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# 50,000 CFM ELECTRIC DUST COLLECTOR



## KEY FEATURES:

- 50,000 CFM (maximum) air flow rate
- 150 HP Electric Motor
- Reverse Incline Blade Fan
- Six 20" I.D. Ducting Inlets
- Reverse Pulse Jet System
- 6" Discharge Auger System
- Pneumatic Vibrators
- Multiple Transportation Platforms
- Dimensions: 102" W x 435" L x 134" H
- Weight: 19,900 (empty)

## 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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Literature #105M135\_09/26/2022