

Model C

Dust Collectors



Features

Many Applications

REES Model C Dust Collectors can be used on many types of equipment where dust is a problem. These units efficiently collect dust from operations such as wood, plastics, food products, rubber, paper and textiles.

Quality Construction

REES Dust Collectors are heavy duty, compact, and built to last. Heavy gauge steel and continuous welds are manufacturing standards and all bolted parts use 3/8" diameter bolts.

Efficient Operation

Rees Dust Collectors are designed to efficiently separate particles from dust laden air. Dust passes through the fan and into the collector modules. An air deflector in each module initiates the separating process. The heavier particles drop to the storage container and clean in-plant air is returned to the manufacturing area.

Flexible Design

Choose from four different CFM capacities to suit your particular application. REES Model C Dust Collectors are available in 2 HP, 3 HP, 5 HP and 7 1/2 HP sizes with 1 to 4 collector modules. For larger air volumes, use REES Model CX Dust Collectors, available in 10 HP, 15 HP, and 20 HP. The modular design allows you to add on in the future to increase filter area and storage capacity. For waste storage, this collector uses 55-gallon drums, plastic bags or cloth bags for more initial filter area.

Easy Installation

Each unit is shipped with collector modules, filter bags, motorized fan, and miscellaneous parts for complete assembly. All components bolt together easily with hand tools.

Simple Maintenance

Maintenance involves a periodic shaking of the upper filter bags to knock dust particles from the inside wall and emptying of the storage drums or lower bags as required.

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Specifications

Blower Unit

2 HP, 3HP, 5 HP and 7.5 HP units use 3 phase, 208-230/460 volt, 3450 RPM, TEFC, direct drive motors. Single phase available in 2 HP, 3 HP, and 5 HP models. For larger air volumes, use REES Model CX Dust Collectors, available in 10 HP, 15 HP, and 20 HP.

Collector Module

Each collector module is manufactured with continuous welds and heavy gauge steel. It includes an air deflector and connecting flanges with 3/8" diameter bolts.

Leg Supports

2" square tubing provides extra support and stability. 3/8" diameter bolts are included for easy assembly.

Quick Release Clamps

Adjustable steel band clamps are furnished with spring loaded clasp.

Filter Bag and Sleeve

A polyester sateen 7.5 oz./sq. yd. filter media is used with mounting grommets, support rods and band clamps. The filter sleeve is used for the drum connection. The cloth area is 25 sq. ft. per bag and 7sq. ft. per sleeve.

Waste Storage

55 gallon drums, filter bags, plastic bags or storage hoppers may be used for waste storage. (Customer to furnish 55 gallon drums.)

Storage Hopper

Storage Hoppers are available for use with a forklift. The 3-bag hopper has a capacity of 67 cubic ft. of waste and the 6-bag hopper holds 89 cubic ft. Additional information is available on request.

| Model No. | HP | PH | Modules | Storage Area Ft ³ | Filter Area Ft ² | Inlet. Dia. N | Length L | Width W | Height H | Shipping Weight lbs. |
|-----------|-----|----|---------|------------------------------|-----------------------------|---------------|----------|---------|----------|----------------------|
| C 210-1 | 2 | 1 | 1 | 8.2 | 32 | 6" | 4'2" | 3' | 8'3" | 245 |
| C 210-2 | 2 | 1 | 2 | 16.4 | 64 | 6" | 6'7" | 3' | 8'3" | 305 |
| C 230-1 | 2 | 3 | 1 | 8.2 | 32 | 6" | 4'2" | 3' | 8'3" | 245 |
| C 230-2 | 2 | 3 | 2 | 16.4 | 64 | 6" | 6'7" | 3' | 8'3" | 305 |
| C 310-1 | 3 | 1 | 1 | 8.2 | 32 | 7" | 4'3" | 3' | 8'3" | 275 |
| C 310-2 | 3 | 1 | 2 | 16.4 | 64 | 7" | 6'8" | 3' | 8'3" | 335 |
| C 310-3 | 3 | 1 | 3 | 24.6 | 96 | 7" | 9'1" | 3' | 8'3" | 395 |
| C 330-1 | 3 | 3 | 1 | 8.2 | 32 | 7" | 4'3" | 3' | 8'3" | 395 |
| C 330-2 | 3 | 3 | 2 | 16.4 | 64 | 7" | 6'8" | 3' | 8'3" | 335 |
| C 330-3 | 3 | 3 | 3 | 24.6 | 96 | 7" | 9'1" | 3' | 8'3" | 395 |
| C 510-2 | 5 | 1 | 2 | 16.4 | 64 | 8" | 6'11" | 3' | 8'3" | 355 |
| C 510-3 | 5 | 1 | 3 | 24.6 | 96 | 8" | 9'4" | 3' | 8'3" | 415 |
| C 510-4 | 5 | 1 | 4 | 32.8 | 128 | 8" | 11'9" | 3' | 8'3" | 475 |
| C 530-2 | 5 | 3 | 2 | 16.4 | 64 | 8" | 6'11" | 3' | 8'3" | 355 |
| C 530-3 | 5 | 3 | 3 | 24.6 | 96 | 8" | 9'4" | 3' | 8'3" | 415 |
| C 530-4 | 5 | 3 | 4 | 32.8 | 128 | 8" | 11'9" | 3' | 8'3" | 475 |
| C 730-3 | 7.5 | 3 | 3 | 24.6 | 96 | 10" | 9'4" | 3' | 8'3" | 455 |
| C 730-4 | 7.5 | 3 | 4 | 32.8 | 128 | 10" | 11'9" | 3' | 8'3" | 515 |

Options

Silencer

REES Dust Collectors are rated at approximately 88 DBA, depending on pipe design and shop layout. A silencer may be ordered which bolts easily between the fan and collector. It adds 2'6" to the length of the dust collector and cuts noise by an average of 8 DBA.

P-B Starter

Manual push-button starter with overload protection may be ordered. Motor leg is equipped with starter mounting plate (standard).

Large Filter Bags

Large filter bags may be ordered instead of standard 25 sq. ft bags when conditions involve smaller dust particles. The 40 sq. ft. bag increases the filter area by 60% and the height to 10'9". The 55 sq. ft. bag increases the filter area by 120% and the height to 13'3". Taller rod support assemblies are provided, but bags can also be tied to the ceiling.



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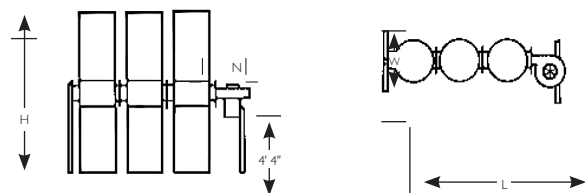
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Performance

| Series | HP | Static Pressure vs CFM | | | | | |
|--------|-----|------------------------|------|------|------|------|------|
| | | 5" | 6" | 7" | 8" | 9" | 10" |
| 200 | 2 | 780 | 731 | 678 | 612 | 536 | 436 |
| 300 | 3 | 1333 | 1217 | 1075 | 982 | 920 | 861 |
| 500 | 5 | 1895 | 1772 | 1653 | 1542 | 1442 | 1325 |
| 700 | 7.5 | 2542 | 2457 | 2382 | 2258 | 2045 | 1840 |

* Note: Static pressure is measured as total external in inches water gauge.



Note: For larger air requirements, ask about our Model CX DustCollectors available in 10 HP, 15 HP, and 20 HP.