

## **MODEL M33V** Media Air Cleaner



*The M33 from Air Quality Engineering, Inc. is a self-contained media air cleaning system designed for use in source capture applications where mobility is desired. The M33 can be ordered in a three-stage filtration which will effectively remove a broad range of airborne contaminants including fine dust, smoke, soot, vapors, mist, VOC's and more at a rate of up to 1500 cfm.*

# M33V FEATURES & SPECIFICATIONS

**DIMENSIONS:** 73"H x 20"W x 40"L

**WEIGHT:** 274.5 lbs. installed weight  
324 lbs. shipping weight  
Optional carbon module adds 44 lbs. to the installed and shipping weight

**CABINET:** 16 gauge welded steel cabinet with a baked enamel, textured coated finish. Built-in sump and drain connection for oil mist removal. Four heavy-duty swivel locking casters.

**MECHANICAL ARM:** 10' externally supported arm swings 180° on its axis and reaches from floor to 11' high. Once this arm is positioned, the hood and hose remain in place until moved.

**POWER INPUT:**

Model	Vac	Hz	Phase	Amps
M33V1003	120	60	1	12
M33V1011	280 - 240	60	1	6.6 - 6

**PRIMARY FILTER:** 12" x 24" x 26" 5 pocket, 42 sq. ft. of synthetic filter media. Optional filter will increase filter media to 100 sq. ft.

**AIRFLOW/EFFICIENCY:**

Filter PN	Filter Efficiency*	CFM = Cubic Feet/Minute	
		1 HP	2 HP
41128	95 - 98% Bag	1020 CFM	1450 CFM
41129	85 - 90% Bag	1060 CFM	1490 CFM
41130	65 - 70% Bag	1075 CFM	1500 CFM
41131	45 - 50% Bag	1100 CFM	1505 CFM

\*Efficiency based on ASHRAE Dust Spot 52-76.

**PREFILTER:** 30-35% efficiency, pleated 12" x 24" x 4". Filter media is a cotton and synthetic blend. Total prefilter media area is 15 sq. ft.

**MOTOR:** 1 HP sealed ball bearings and thermally protected. Adjustable motor sheave allows for field adjustments to the rated air flow.

**BLOWER:** Forward curved, ball bearing, belt driven centrifugal blower. This blower is capable of moving 2250 cfm free air.

**INSTRUMENTATION:** **Dirty Filter Gage** – Factory installed pressure gage designed to determine filter replacement cycle.

**Indicator Light** – Light indicates that the blower motor is energized properly.

**FILTER ACCESS:** Side load track system with hinged access door.

**SOUND LEVELS:** 67 dBA at 9', 66 dBA at 15'.

**CARBON FILTER OPTION – PN 07125:** 22 lbs. activated, refillable carbon module. If the carbon filter module is to be used as the third stage of filtration behind the prefilter and primary filter, then the optional rigid filter will be substituted for the standard bag to allow room for the carbon filter. Please note that the maximum air flow rating for the carbon module is 500 cfm if the carbon filter is ordered, the air flow will be factory set at 500 cfm.

## ADDITIONAL FEATURES:

- 36 month parts warranty.
- One externally supported 10' arm with 8" diameter flexible hose with hood.
- One HP maintenance-free motor.
- 35% 4" pleated prefilter.
- Primary filter.
- 10' power cord with molded plug.

## OPTIONAL EQUIPMENT:

- Halogen light.
- 22 lb. carbon module.
- 2 HP motor upgrade.
- 65% pleated prefilter.
- Extended service filters.

