

AIR BOSS® ONE-MAN PORTABLE



Portable HEPA Air Cleaner

CAPTURE DRY PROCESS POLLUTANTS AT THE SOURCE

The Air Boss® One-Man Portable helps to eliminate smoke, dust, powders and other dry process pollutants before they adversely affect indoor air quality and worker productivity. The One-Man Portable removes harmful airborne smoke and particulate from the breathing and work zones.

The One-Man Portable unit is convenient, efficient and easy to maintain. It can help to:

- Avoid health and safety hazards that cause workers to experience respiratory ailments
- Meet OSHA air quality standards
- Cut maintenance costs by eliminating smoke and dust before particles can settle on equipment and work surfaces

The One-Man Portable unit incorporates the latest technological advances in filtration design and is ideal for the following applications:

- Welding
- Grinding
- Cutting
- Sanding
- Soldering

HOW AIR BOSS ONE-MAN PORTABLE WORKS

- Contaminants enter the one-man portable through the slotted nozzle and the 10 ft. flexible hose.
- Polluted air is filtered through a three-stage filtration system.
- Clean air is re-circulated into the work area.

FEATURES AND BENEFITS

- Magnetic base for nozzle allows easy mounting
- Extractor nozzle can be placed within three inches of welding operations without disrupting shielding gases being used
- Two direct drive fans and motors provide strong suction
- 15-foot cord and plug fits standard 120VAC outlet
- Light signals when filters need to be replaced



Filter Specifications

The selected filter combination allows this unit to effectively capture and remove airborne contaminants from industrial processes. Three-stage filtration consists of spark trap, replaceable 35% ASHRAE prefilter, replaceable 99.97% HEPA main filter. An optional aluminum mesh prefilter for collecting oily particulate is available.

All filters are UL classified as to flammability.

Clean Airflow	220 CFM
Filter Area	35% ASHRAE prefilter 3.2 ft ² (0.3m ²), 99.97% HEPA main filter 53 ft ² (4.9m ²)
Cabinet Dimensions	12 " D x 27 " W x 19 " H (305mm x 686mm x 483mm)
Shipping Weight	45 lbs. (20 kg.)
Noise Level	85 dB(A)* at 5 ft distance (1.5m)
Power Consumption for (2) Motors	1200 Watts, 14-Amps Max
Electrical	120V, 60 Hz, 1 Phase, with 15 ft (4.6m) cord and plug for standard electrical outlet
Construction	12ga. welded steel, blue-textured, powder-coated cabinet
Option	Aluminum mesh prefilter instead of 35% ASHRAE prefilter

*dB(A) sound levels are an average of measurements made in a laboratory environment. Installed sound levels will vary depending on the measurement location, operating conditions and installation.



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