



BID SPECIFICATIONS

Bid Number: _____

Pg. 1

Date: _____

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Table of Contents

TABLE OF CONTENTS	2
I. BID INFORMATION	3
II. SPECIFICATION COMPLIANCE	3
III. SPECIFICATIONS, CONFIGURATION	4
IV. SPECIFICATIONS, HOUSING	4
V. SPECIFICATIONS, FEATURES	4
VI. SPECIFICATIONS, FILTRATION	4
VII. SPECIFICATIONS, ELECTRICAL	5
VIII. SPECIFICATIONS, MOTOR / BLOWER PACKAGE	5

I. BID INFORMATION

Bid For: Clean Air America P1200 HD Portable Fume Collector

Bid Number: _____

Bid Due Date: _____

Bidder's Name: _____

Bidder's Address: _____

II. SPECIFICATION COMPLIANCE

The system shall be utilized for welding and grinding smoke removal. The system shall be a self-contained unit consisting of a direct drive, backward incline blower, on easy-to-move heavy-duty casters.

III. SPECIFICATIONS, CONFIGURATION

- A) The Clean Air America Portable Fume Collector shall consist of a single unit, 41” wide, 25” deep, 28” high, with fume arm and 4 heavy-duty casters with lockable wheels.

IV. SPECIFICATIONS, HOUSING

- A) The Clean Air America Portable Fume Collector shall be constructed of heavy-gauge steel.
- B) The Clean Air America Portable Fume Collector shall have a powder coated exterior and interior finish with galvanized steel and aluminum, fume arm.
- C) The Clean Air America Portable Fume Collector shall utilize a cellulose flame-retardant filter and metal mesh spark arrester.

V. SPECIFICATIONS, FEATURES

- A) The Clean Air America Portable Fume Collector shall have a built-in acoustical lining in the blower compartment with a sound dBa rating so that conversation can be conducted in front of the booth; 60-74 dBa.
- B) The Clean Air America Portable Fume Collector shall include 4 heavy-duty, lockable caster wheels.
- C) The Clean Air America Portable Fume Collector shall be configured for electrical connections of 120V, 60Hz, single phase power, including plug to allow for immediate use.

VI. SPECIFICATIONS, FILTRATION

- A) The Clean Air America Portable Fume Collector shall utilize (1) horizontally-mounted cartridge type filter with inner and outer metal cage as well as a metal mesh spark arrester. Filter shall be made of fire-retardant media.
- B) The horizontally-mounted filter shall have an SAE 726J initial filter efficiency of 99%, and an overall filter efficiency of 99.9% using AC fine dust.

- C) The filter shall have an ASHREA standard 52-76 initial atmospheric dust spot efficiency of 40%, with an average atmospheric dust spot efficiency of 93%, and an average synthetic dust weight arrestance of 100%.
- D) The Clean Air America Portable Fume Collector shall utilize a continuous air stream filter cleaning system that is mounted internally within the filter.
- E) The Clean Air America Portable Fume Collector shall include a 8” diameter, 7’ fume arm.

VII. SPECIFICATIONS, ELECTRICAL

- A) The Clean Air America Portable Fume Collector shall utilize an integrated disconnect switch which disconnects all power to unit.
- B) The Clean Air America Portable Fume Collector controls will be a combination of motor starter, overload, and disconnect.

VIII. SPECIFICATIONS, MOTOR / BLOWER PACKAGE

- A) The motor size shall be 1.5 HP.
- B) The blower shall be a backward incline, airfoil high efficiency plug type blower.
- C) The Clean Air America Portable Fume Collector shall utilize a direct drive method for motor blower design. No gearing or pulley system shall be utilized.
- D) The Clean Air America DownDraft shall achieve 1,200 CFM.