



# **BID SPECIFICATIONS**

Bid Number: \_\_\_\_\_

Pg. 1

Date: \_\_\_\_\_

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## I. BID INFORMATION

Bid For: Clean Air America DownDraft Table

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, integrated side shields and hood, and caster wheels.

### **III. SPECIFICATIONS, CONFIGURATION**

- A) The Clean Air America DownDraft Table shall consist of a single 75" high, 24" x 36" x 24" table, with integrated side shields and hood, and 4 heavy-duty casters with lockable wheels.

### **IV. SPECIFICATIONS, HOUSING**

- A) The Clean Air America DownDraft Table shall be constructed of 12-gauge steel with a welded body.
- B) The Clean Air America DownDraft Table shall have a powder coated exterior and interior finish.
- C) The Clean Air America DownDraft Table shall have a work space with dimensions of 36"W x 24"D.
- D) The Clean Air America DownDraft Table shall utilize down draft source capture filtration design with a heavy-duty grating table.
- E) The Clean Air America DownDraft Table shall utilize three layers of spark protection including baffle filter, metal mesh filter, and baffle plate.

### **V. SPECIFICATIONS, FEATURES**

- A) The workspace in each Clean Air America DownDraft Table shall be illuminated using 12" dust-tight LED overhead light with on/off switch.
- B) Each Clean Air America DownDraft Table shall have a 36"W x 24"D workspace area with a heavy-duty grating table and hinged side shields that opens to allow the workspace to widen.
- C) The Clean Air America DownDraft Table shall have a built-in acoustical lining in the blower compartment.
- D) The Clean Air America DownDraft Table shall include a build-in silencer with a sound dBA rating so that conversation can be conducted in front of the booth; 60-74 dBA.
- E) The Clean Air America DownDraft Table shall include 4 heavy-duty, lockable caster wheels.

- F) The Clean Air America DownDraft Table 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 DownDraft Table shall utilize (1) vertically mounted cartridge type filter, metal mesh filter, and baffle filters.
- B) The vertically-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 DownDraft Table shall utilize one fire retardant, 80/20 cellulose/polyester filter cartridges. Each filter shall provide 180 square feet of filter media.

## **VII. SPECIFICATIONS, ELECTRICAL**

- A) The Clean Air America DownDraft table shall utilize an integrated disconnect switch which disconnects all power to unit.
- B) The Clean Air America DownDraft table shall utilize a manual motor protector located on the front of the air filtration portion of the booth.
- C) As an option, the Clean Air America DownDraft table may utilize a programmable pulse controller, which is operated on 120VAC single-phase power fed from an integrated transformer.

## **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 DownDraft table 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 have a table surface velocity of 350 FPM measured at the center of the table.