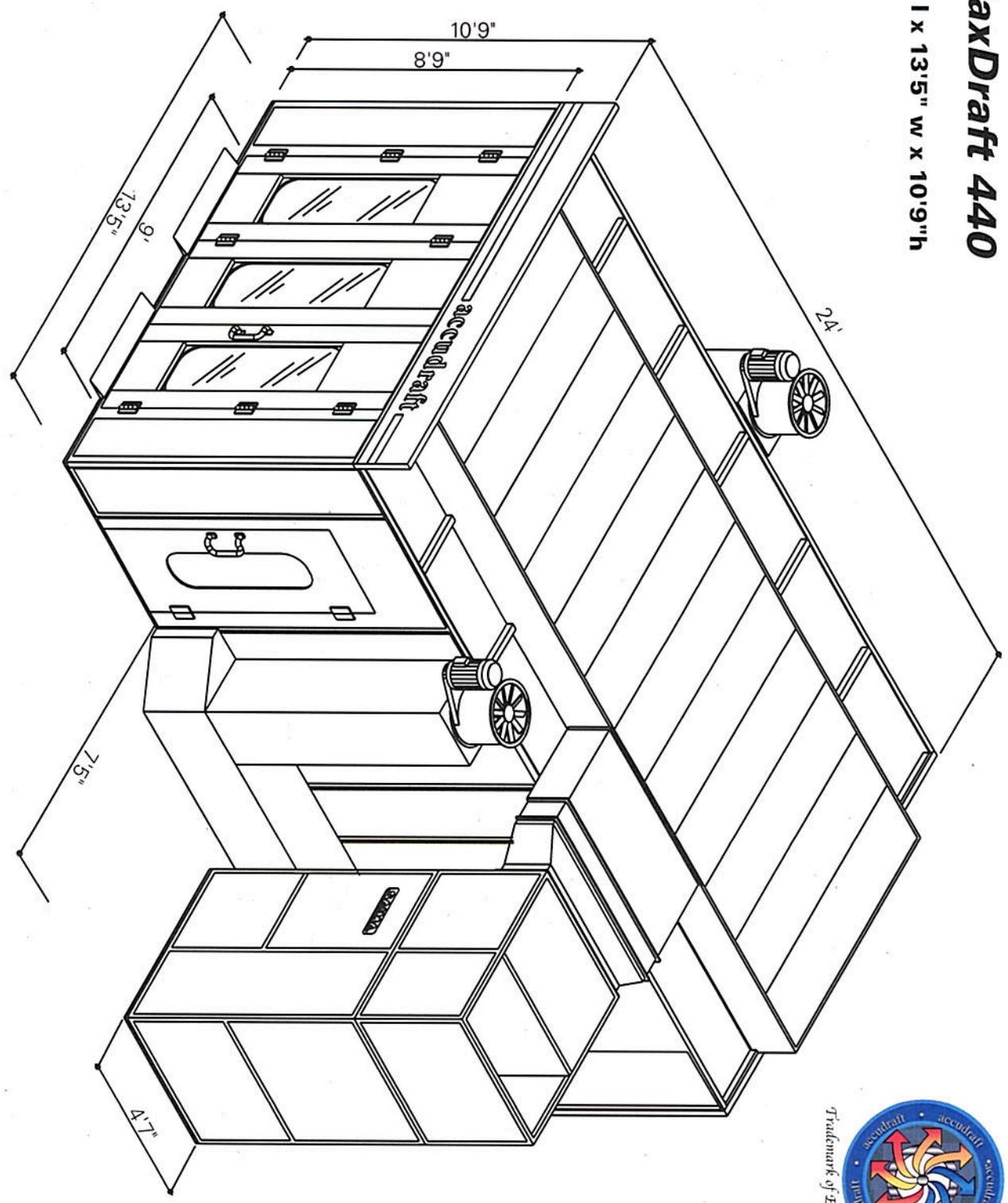


# MaxDraft 440

24' 1 x 13' 5" w x 10' 9" h



# Maxdraft 440

## Booth Specifications

### Cabin Features

#### Dimensions:

- 14' wide x 23'8" long x 9' high ID
- 14' 4" wide x 24' long x 10'9" high OD
- Optional 2' and 4' Length Extensions

#### Exhaust Configurations:

- Side Down Exhaust

#### Construction:

- Single Skin 18 Ga. steel walls
- Vinyl coated White Externally, White Internally
- Reinforced Ceiling Frame beams for rigidity
- Powder Coated White, Ceiling Filter Grates for Dustless Performance

#### Main Doors:

- 36" wide x 8' 9" high
- 3 of the swing out type, 2" thick with glass
- Hung by adjustable hinges to a box steel frame For durability
- Side Service Door
- 36" wide x 7' 6" high with glass

#### Filters:

- 3 - Pre-Filters 17.75" x 23.5" x 20"
- 12 - Pre cut (10 micron) ceiling filters compression sealed to knife ceiling frame edge 44" x 46"
- 2 - 25" wide x 16' long Fiberglass Exhaust Filter (Side Exhaust)

#### Lights:

- 4' Daylight Corrected Light Bulbs
- 12 Upper Gable Fixtures with 4 lamps each
- Lower Vertical Four Lamp Fixtures, optional

#### Options:

- Indirect Fired Heating System
- Single Phase Electronics (7.5 HP)
- Drive Through

### Air Make Up Features

#### Intake:

- Vinyl Coated White Externally to match The cabin
- 10,000 cfm
- 7.5 HP 3 Phase TEFC motor
- 1,200,000 Btu (capable) stainless steel burner with 30:1 turn down for accurate Modulation
- Re-circulating damper 50% / 50%
- Incoming and recirculation Pre Filtration
- Totally enclosed mechanical for safety
- Burner pre-installed, pre-wired, and Electronically tested
- ETL Listed

#### Command Panel:

- PLC - Programmable Logic Control
- Fully automatic operation controls
- Paint, Flash Off, Bake, Cooling cycles, and Temperatures standard with Heating System
- Digital readout, programmable temperature controller with auto tuning (AT) for maximum temperature control, standard with Heating system
- On/Off Switch
- Spray Switch
- Bake Switch
- Lights Switch
- Burner On/Off Switch, standard with heating system

#### Exhaust:

- 10,000 cfm to match intake
- (2) 24" Tube axial Fans (Side Down)
- (2) 2 HP 3 Phase TEFC motor (Side Down)

#### Note:

- SAIMA USA reserves the right to modify or change any of the dimensions or features without notification.

#### Warranty:

- One year on all moving and electrical parts
- Three years on Structure of Cabin

# Maxdraft 440

## Code Compliance & Technical Specifications

### **Each Booth will require:**

1. Level Floor +/- 1/8"
2. Allow for adequate space around the booth for cleaning and maintenance, in accordance with NFPA (National Fire Protection Association) 33, 2000 ed., Section 3.3.
3. Provide for unobstructed explosion relief in accordance with NFPA 86, 95 Ed.
4. Allow for adequate clearance of 3' minimum from all sparking electrical components, to conform to NFPA 33, 2000 ed., Section 4-3.4.
5. Means of egress to conform to NFPA 101, 94 Ed.
6. An approved automatic fire extinguishing system shall be provided by others.
7. Overall Height of Booth: 10'9"  
Overall Width of Cabin: 14'4"  
Overall Width of Booth: 23'  
Overall Length of Booth: 24'
8. Air Velocity:  
Intake Fan: 10,000 cfm  
Exhaust fan: 10,000 cfm
9. Air changes per minute: 4 to 5  
(During Spray Cycle)
10. Re-circulation 60% / 40%  
(During Bake Cycle)

### **Based on -10°F Outside Temperature**

1. Inside Temperature during Spray Cycle: +75°F
2. Inside Temperature during Bake Cycle: +172°F

### **Control Panel**

1. Panel may be placed at one's discretion and not to be within 3' of the booth opening. The placement shall comply with all local and national codes.

### **Burner Demands**

1. Burner Rating: 1,200,000 Btu/hr
2. Fuel Pressure: 7" - 12" of water column @1,000 CF/hr
3. Fuel: Natural Gas
4. Combustion Efficiency: 100%
5. Temperature set point accuracy: +/- .5° F
6. Electrical Power: 110v

### **Electrical Demands**

1. Motors: (1) 7.5 H.P.  
208/240 v 25 amps 3Phase  
and  
(2) 2 H.P.  
208/240 v 15 amps 3Phase
2. Light (2) 110 v 20 amps
3. All electrical connections should be in accordance with NEC (National Electrical Code). Verify compliance to local codes within the jurisdiction of the installation site.

### **Air Demands**

1. Max 40 psi to the air regulator
2. Piping dimension to the bake cycle / illumination cut of solenoid valve: 1/2"

### **ETL Listings:**

1. Booth: 518416
2. Burner: 530022
3. Lighting: J20036157-003

### **MEA Listing:**

1. Booth: 363-91-E

### **NYC Calendar:**

1. Booth: 41832