

Ventus

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: 10'7"
Overall Width of Cabin: 13'4 1/4"
Overall Width of Booth w/ Heat: 18'4 1/4"
Overall Length of Booth: 26'
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 80% / 20%
(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
(1) 3 H.P.
208/240 v 12 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