



Blue M

Class A Batch Ovens

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Blue M Class A Batch Ovens are mechanical convection electric chambers that include safety features recommended in NFPA Bulletin 86 as standard.

The design of the chamber concedes that the element temperature may be well above the auto-ignition point of some flammable materials, but this is mitigated by maintaining a non-explosive mixture through the use of higher than normal exhaust rates. Increased heating element kW compensates for this exhaust factor.

In addition to meeting NFPA recommendations, this oven design has exceptional exhaust capabilities for handling solvents. A negative pressure is maintained in the work chamber that insures that all hazardous vapors will be expelled through the exhaust duct and not through the oven door, blower shaft seal or other apertures. These ovens are complete systems. No additions are required to meet the recommendations of NFPA Bulletin 86 for processing hazardous work loads.



<i>Bench Model</i>					
<i>Model Number</i>	<i>Inside Dimensions Inches (cm) W x D x H</i>	<i>Overall Dimensions Inches (cm) W x D x H</i>	<i>Element kW</i>	<i>Line Amps</i>	<i>Cubic Feet Capacity</i>
DC-256A-FHP-1	25 x 20 x 20 (63 x 51 x 51)	49 x 37 x 62 (124 x 94 x 157)	9 / 12	27 / 31	5.8
<i>Floor Model</i>					
DC-106A-FHP-1	19 x 20 x 39 (48 x 51 x 98)	48 x 49 x 77 (122 x 124 x 196)	9/12	29/33	10
DC-166A-FHP-1	24 x 24 x 48 (61 x 61 x 122)	55 x 45 x 86 (140 x 114 x 218)	13.5 / 18	44/50	16
DC-246A-FHP-1	36 x 24 x 48 (91 x 61 x 122)	67 x 45 x 86 (170 x 114 x 218)	16 / 21	51/58	24
DC-326A-FHP-1	48 x 24 x 48 (122 x 61 x 122)	79 x 45 x 86 (201 x 114 x 218)	20 / 27	63/72	32
DC-366A-FHP-1	36 x 36 x 48 (91 x 91 x 122)	67 x 54 x 86 (170 x 137 x 218)	20 / 27	63/72	36
DC-606A-FHP-1	36 x 48 x 60 (91 x 122 x 152)	80 x 69 x 96 (203 x 175 x 244)	26 / 34	86/100	60
DC-806A-FHP-1	48 x 48 x 60 (122 x 122 x 152)	92 x 69 x 96 (234 x 175 x 244)	30 / 40	100/115	80
DC-966A-GHP-1	48 x 48 x 72 (122 x 122 x 183)	92 x 69 x 108 (234 x 175 x 274)	48	67	96

Voltage all models: 208/240/480V / 3-Phase / 60 Hz. Except DC-966A GHP-1 which is 480 V only.
All specifications subject to change without notice.

General Class A Batch Oven Specifications

Temperature range: +15°C above ambient to + 316°C (600°F)
Runup time: (no load) to + 316°C: 90 minutes (depending on exhaust)
Control accuracy: 0.5% of span

The industrial batch oven design has exceptional exhaust capabilities for handling solvents. The design of the chamber concedes that the element temperature may be greater than the auto-ignition point of some flammable materials, but a high exhaust rate mitigates the auto-mitigation risk by maintaining a non-explosive mixture. A negative pressure is maintained in the work chamber that insures that all hazardous vapors will be expelled through the exhaust duct and not through the oven door, blower shaft seal or other apertures.

These ovens are complete systems. No additions are required to meet the recommendations of NFPA Bulletin 86 for processing hazardous work loads.

These Class A industrial batch ovens have Pro-Tronix I solid-state digital indicating control with time proportioning zero crossover performance. Setting and indication accuracy is 1/2%. Large LED display indicates both setpoint and actual chamber temperature at the touch of a button. Separate F.M. approved indicating type instrument provides overtemperature protection.

► Features:

- Heavy gauge, cold rolled reinforced steel
- High temperature aluminum finish
- 4" fiberglass insulation
- Silicone sealed doors have welded and insulated double-wall construction
- Eterna™ heater banks
- Direct drive motor / blower system
- Forced exhaust system
- Airflow switch
- Adjustable purge timer
- Blow-out relief panel
- 2" fire extinguisher port

► Options:

- Stainless steel slotted shelves
- Circular chart recorder
- PRO-550 controller



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