



»»Blue M

Class A Batch Ovens

Class A Batch Ovens

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 ensures 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.



THERMAL PRODUCT SOLUTIONS

»»Blue M »»Gruenberg »»Lindberg/MPH »»Tenney

Model Number	Inside Dimensions Inches (cm) W x D x H	Overall Dimensions Inches (cm) W x D x H	Element kW	Line Amps	Cubic Feet Capacity
Bench Model					
DCSA-256-F-HP-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
Floor Model					
DCSA-166-F-HP-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
DCSA-206-F-HP-1	20 x 18 x 20 (51 x 46 x 51)	59 x 40 x 52 (150 x 102 x 132)	6.8 / 9	21 / 24	4.2
DCSA-246-F-HP-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
DCSA-296-F-HP-1	25 x 25 x 25 (63 x 63 x 63)	41 x 47 x 75 (104 x 119 x 190)	13.5 / 18	41 / 47	9
DCSA-336-F-HP-1	25 x 20 x 38 (63 x 51 x 97)	41 x 42 x 88 (104 x 107 x 224)	13.5 / 18	41 / 47	11
DCSA-366-F-HP-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
DCSA-606-F-HP-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
DCSA-966-F-HP-1	48 x 48 x 72 (122 x 122 x 183)	92 x 69 x 108 (234 x 175 x 274)	48	67	96
DCSA-1406-F-HP-1	48 x 24 x 36 (122 x 61 x 91)	65 x 46 x 86 (165 x 117 x 218)	18 / 24	54 / 62	24

Voltage – all models: 208/240/480V / 3-Phase / 60 Hz. Except DCSA-966-F-HP, DCSA-606-F-HP, DCSA-806-F-HP which are 480 V only. All specifications are subject to change without notice.

General Class A Batch Oven Specifications

Temperature range: +15°C above ambient to + 316°C (600°F)

Run-up 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 ensures 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.

► 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
- Air flow switch
- Adjustable purge timer
- Blow-out relief panel
- 2" fire extinguisher port

► Options:

- Stainless steel slotted shelves
- Circular chart recorder
- F4 controller



Blue M, Gruenberg, Tenney

Address: 2821 Old Route 15 | New Columbia, PA 17856-9396 | USA

Phone: (570) 538-7200 | Fax: (570) 538-7380

info@thermalproductsolutions.com

Specifications and Product Information are subject to change without notice.