

4099 SERIES - HEAVY DUTY OVEN



SAFE, SIMPLE, & DEPENDABLE

Large high velocity air recirculating ovens offering a wide temperature operating range from 200°F to 1400°F. Precision control of air temperature for tempering, drawing, annealing, preheating and stress relieving steel, aluminum, glass, and ceramics.

All models are equipped with a roof mounted alloy fan assembly and stainless steel liner providing a vertical air flow pattern and uniform temperature throughout the chamber. The liner directs the air flow and baffles the heating elements from the work area. The chambers are brick lined with removable hearth plates supporting work loads up to 75 lbs/sq ft. Wire-on-rod heating element design allows full thermal emission from the coils and easy individual element replacement at a low cost.

All models are completely wired to N.E.C., assembled, test-fired, and shipped ready for connection to main power supply. Available in fifteen standard model sizes.

STANDARD FEATURES

- Welded angle iron frame construction with sheet steel and plate lining.
- Heavy gauge coil wound low-watt density heating elements for longer life.
- Multi-layered energy-efficient lightweight firebrick and mineral block insulation for maximum heat storage and minimum heat loss.



Model 4V099-542424 with optional horizontal swing door

- Elements mounted individually on ceramic rods located on side walls for uniform temperature.
- Stainless steel fan with motor and belt drive mounted through roof.
- Stainless steel liner forms work area and directs air flow.
- Hearth plates for load support and floor brick protection.
- Vertical lift manual hand crank operated door keeps hot face surface away from personnel.
- Safety micro-switch shuts off power to elements and fan when door opens.
- Eurotherm digital temperature controller with type K thermocouple and magnetic contactor.
- Controls are mounted in separate side mounted NEMA 1 panel and operate on 115 volts.

MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
V4099-W48	42"H X 42"W X 48"D	142"H X 73"W X 72"D	69	230/460/3	4000
V4099-W54	42"H X 42"W X 54"D	142"H X 73"W X 78"D	74	230/460/3	4200
V4099-W60	42"H X 42"W X 60"D	142"H X 73"W X 84"D	80	230/460/3	4400
V4099-W72	42"H X 42"W X 72"D	142"H X 73"W X 96"D	91	230/460/3	4800
V4099-X48	48"H X 48"W X 48"D	152"H X 79"W X 72"D	74	230/460/3	4500
V4099-X54	48"H X 48"W X 54"D	152"H X 79"W X 78"D	80	230/460/3	4700
V4099-X60	48"H X 48"W X 60"D	152"H X 79"W X 84"D	86	230/460/3	4900
V4099-X72	48"H X 48"W X 72"D	152"H X 79"W X 96"D	99	230/460/3	5300
V4099-Y48	54"H X 54"W X 48"D	162"H X 85"W X 72"D	85	230/460/3	5000
V4099-Y54	54"H X 54"W X 54"D	162"H X 85"W X 78"D	92	230/460/3	5200
V4099-Y60	54"H X 54"W X 60"D	162"H X 85"W X 84"D	99	230/460/3	5400
V4099-Y72	54"H X 54"W X 72"D	162"H X 85"W X 96"D	113	230/460/3	5800
V4099-Z60	60"H X 60"W X 60"D	172"H X 91"W X 84"D	112	230/460/3	5900
V4099-Z72	60"H X 60"W X 72"D	172"H X 91"W X 96"D	127	230/460/3	6900

