BATCH & WALK-IN OVENS

Hot Air Oven

Electric chamber oven with forced hot-air circulation for drying, curing and testing, 50–350°C.



TEMPERATURE
50–350°C

HEATING
Electric; gas (LPG/PNG) for large chambers

INDUSTRIES
General engineering, electrical, plastics, chemicals, laboratories

Specifications

Working range	50–350°C
Standard sizes	0.5 m cube (16 kW) and 1 m cube (24 kW); custom sizes
Control accuracy	on/off at set point within ±1°C
Airflow	hot-air generator with 2 HP ID-fan blower
Construction	three-wall, 1.6 mm SS outer, 3 mm inner
Insulation	125 mm mineral wool (150 kg/m³) + ceramic fibre
Controls	thyristor; 7-inch PLC HMI optional
Cooling	motorised butterfly damper for controlled cooling (option)
Safety	over-temperature controller and door interlock

Typical reference builds

Build	Load	Working size (W x D x H)	Temperature	Heating
Compact	50 kg batch	800 × 800 × 800 mm	up to 250°C	Electric
Standard	200 kg batch	1,000 × 1,000 × 1,000 mm	up to 350°C	Electric
Heavy-Duty	600 kg batch	1,500 × 1,500 × 1,500 mm	up to 350°C	Electric or LPG/PNG

Indicative only: chamber size and heating load (kW or burner rating) are engineered to your load, cycle and site supply.

Features

- Forced air circulation for even shelf temperatures
- Three-wall cabinet keeps the outer skin cool
- Programmable ramp, soak and cool on PLC models
- Adjustable moisture exhaust damper
- Shelves, trays or trolley loading
- Independent over-temperature safety cut-out

Applications

- Drying parts after washing or plating
- Curing adhesives, sealants and small coating jobs
- Pre-heating components and inserts
- Moisture removal from powders and granules
- Quality testing and sample conditioning