

JSOF-030E / 050E JSON-030E / 050E COMPACT OVEN

amb. +10 °C ~ 250 °C



Features

Performance

Temperature Range : amb. +10 °C to 250 °C

Temperature Accuracy : within +/- 0.2 °C

Temperature Uniformity : within +/- 1.0 °C

Choice of forced convection or gravity convection.

JSOF-030E/050E Forced Air Convection

JSON-030E/050E Gravity Air Convection

50mm thick high thermal efficiency mineral wool with woven aluminum barrier sheet saves energy and less dust.

Construction

Durable epoxy powder coated metallic casing.

Ventilation damper.

Corrosion resistant Stainless Steel 304 chamber with seamless round cornered edge allows easy cleaning and prevents leakage.

Convenience

Stainless Steel 304 Chamber with seamless round cornered edge allows easy cleaning.

Removable and adjustable shelf by 25mm spacing.

Easy-to-open and air-tight one touch door latch.

Opening size adjustable ventilation damper.

Door switch cut-off heater and blower to protect user from exposure to hot air.

Safety

DOOR SENSOR CUT OFF HEATER AND FAN

DUAL OVER TEMPERATURE CUT-OFF BY CONTROLLER AND INDEPENDENT THERMOSTAT

HIGH TEMPERATURE CUT-OFF AND AUDIO VISUAL ALARM

LOW TEMPERATURE CUT-OFF AND AUDIO VISUAL ALARM

PT SENSOR SHORT OR DISCONNECTION AUDIO VISUAL ALARM

OVER CURRENT CUT-OFF : Electrical Leakage Breaker

Specifications

Model	JSOF-030E	JSOF-050E	JSON-030E	JSON-050E
	Forced Convection		Gravity Convection	
Dimension Data				
Chamber Volume	33 Liters	48 Liters	33 Liters	48 Liters
Inner Dims. (WxDxH) mm	350 x 270 x 350	400 x 300 x 400	350 x 270 x 350	400 x 300 x 400
Outer Dims. (WxDxH) mm	510 x 570 x 660	560 x 585 x 710	510 x 490 x 660	560 x 505 x 710
Window Dims. (WxH) mm	n/a	n/a	n/a	n/a
No. of Shelf Positions	10 ea	12 ea	10 ea	12 ea
No. of Shelf Included	2 ea	2 ea	2 ea	2 ea
No. of Ventilation Damper	1 ea	1 ea	1 ea	1 ea
Performance Data				
Heating System	Forced Convection		Gravity Convection	
Temperature Range	ambient +10 °C to 250 °C, 0.1 °C resolution			
Temperature Accuracy at 120 °C	+/- 0.2 °C	+/- 0.2 °C	+/- 0.3 °C	+/- 0.3 °C
Temperature Uniformity at 120 °C	+/- 1.0 °C	+/- 1.0 °C	+/- 2.0 °C	+/- 2.0 °C
Heat-up Time to 120 °C	15 min.	15 min.	15 min.	15 min.
Controller				
Type	Digital Microprocessor PID Temp. Controller			
Display	4 Digit LED Display			
Control Logic	PID Temperature Control with Auto-Tuning			
Calibration	1 Point Temperature Offset			
Auto-Start	99 min 59 sec / 99 hr 59 mi n / 99 day 23 hr			
Auto-Stop	99 min 59 sec / 99 hr 59 mi n / 99 day 23 hr			
Sensor	Class A Pt-100 Ohm Sensor			
Power Restoration	Power and Timer Restoration Function in case of power outage			
Communication Interface	n/a			
Material Data				
Body	Epoxy Powder Coated Steel			
Chamber	Stainlss Steel 304 (AISI304)			
Insulaton	50 mm Woven Mineral Wool with Aluminum Barrier			
Safety Data				
Safety Device	Door Open / Over Temperature / Over Current Protection			
Electrical Data				
Power Requirement	220 +/- 10% VAC 50/60 Hz 1 Phase			
Power Consumption	800 W 3.8 amp	1.0 kW 4.7 amp	800 W 3.8 amp	1.2 kW 5.5 amp
Plug Configuration	CEE 7/7 Schuko or BS 1363			
Usable Condition				
Temp. & Humidity	5 °C - 40 °C, 80% RH Max.			

JSR

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Ordering Information

Art. Number

Descriptions

JSOF-030E	Compact Oven Forced Convection	33 Liter	220 VAC 1 ph 50/60Hz
JSOF-050E	Compact Oven Forced Convection	48 Liter	220 VAC 1 ph 50/60Hz
JSON-030E	Compact Oven Gravity Convection	33 Liter	220 VAC 1 ph 50/60Hz
JSON-050E	Compact Oven Gravity Convection	48 Liter	220 VAC 1 ph 50/60Hz

Accessories

Shelves

PHS-A02	Perforated Shelf, Stainless Steel 304 for JSOF-030E JSON-030E	W320 x D250 mm
PHS-A03	Perforated Shelf, Stainless Steel 304 for JSOF-050E JSON-050E	W370 x D280 mm
PHS-B02	Wire Shelf, Stainless Steel 304 for JSOF-030E JSON-030E	W320 x D250 mm
PHS-B03	Wire Shelf, Stainless Steel 304 for JSOF-050E JSON-050E	W370 x D280 mm
PHS-A99	Shelf Support, Set of 4 ea	

DISTRIBUTOR

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