

COMMODITY DESCRIPTION

| H.S. Code | Item No | Description | Unit | Quantity |
|--------------|---------|-------------------------|------|----------|
| 8419.39.9000 | - | Upright Convection Oven | SET | 1 |

A. Model Name : JSOF-250T

B. Product Description : Upright Convection Oven

C. Manufacturer / Origin : JS Research Inc. / Rep. of KOREA

D. Application :

Upright Forced Convection Ovens provides a big volume of chamber for large scale laboratory or industrial purpose.

Nevertheless its large volume, dual heating system on upper and lower compartment with two separate heating elements and blowers provide better air circulation throughout the chamber to achieve excellent temperature uniformity and faster heat up time.

E. Photo



JSOF-250T Upright Convection Oven

F. Feature

Controller JSC-0D Digital PID Controller

- ✓ ± 0.1 °C Digital PID Controller with LED Display
- ✓ Automatic START/STOP timer
- ✓ Adjustable timer scale 99min 59sec / 99hr 59min / 99 day 23hr or continuous operation
- ✓ Temperature calibration
- ✓ Auto-tuning function
- ✓ Class A Pt-100 Ω sensor

Construction

- ✓ Durable epoxy powder coated metallic casing
- ✓ Ventilation damper
- ✓ Corrosion resistant Stainless Steel 304 chamber with seamless round cornered edge allows easy cleaning and prevent leakage
- ✓ Double layered glass window for easy observation of samples

Performance

- ✓ DUAL heating system located on upper and lower compartment with two separate heating elements and blowers provide better air circulation throughout the chamber to achieve excellent temperature uniformity and faster heat up time
- ✓ Separate heating compartment located on side wall prevents contamination and maintenance free
- ✓ 50mm thick high thermal efficiency mineral wool with woven aluminum barrier sheet save energy and less dust

Convenience

- ✓ Floor standing large capacity oven provides more through-put and productivity of sample treatment
- ✓ Double layered tempered safety glass window for easy observation of samples under testing
- ✓ Stainless Steel 304 Chamber with seamless round cornered edge allows easy cleaning and prevents leakage
- ✓ Removable and height adjustable shelf by 25mm spacing
- ✓ Easy to open and air-tight one touch door latch
- ✓ Opening size adjustable ventilation damper
- ✓ Non-contact door switch cut-off heater and blower
- ✓ Caster for easy transport

Safety

- ✓ DUAL OVER TEMP. CUT-OFF
- ✓ Digital system cut-off heater and AUDIO VISUAL ALARM in case +2 °C above set temperature
- ✓ Analog system cut-off heater 10% above set temp.
- ✓ MAX TEMP CUT-OFF heater and AUDIO VISUAL ALARM when +1 °C above maximum limit
- ✓ DOOR SENSOR : Non-contact magnetic door switch cut-off heater and blower when door opened
- ✓ SENSOR DISCONNECTION ALARM
- ✓ OVER CURRENT CUT-OFF : Electrical Leakage Breaker

G. Specifications

| | |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chamber Volume(Capacity) | 250 Liters |
| Inner Dims. (W x D x H) | 500 x 500 x 1000 mm |
| Outer Dims. (W x D x H) | 895 x 675 x 1360 mm |
| Window Dims. (W x H) | 150 x 460 mm |
| No. of Shelves included | 3 EA |
| No. of Shelf position | 36 EA by 25 mm spacing |
| No. of Ventilation damper | 1 EA |
| Heating | Forced Air Convection Dual Heating Chamber System |
| Temp. Range | ambient +10 °C ~ +250 °C |
| Accuracy | ±0.3 °C at +120 °C |
| Uniformity | ±1.5 °C at +120 °C |
| Heat up time to +120 °C | 10 min. |
| Control | Microprocessor PID control Auto START / STOP Timer |
| Sensor | Class A PT-100 Ω Sensor |
| Safety | Over-Temperature Cut-Off Over Current Cut-Off |
| Material | Body : Epoxy Powder Coated Steel, 1.0 mm thickness Chamber : Stainless Steel 304, 0.8 mm thickness Insulation : 50 mm Woven Mineral Wool Floor Standing with Caster |
| Electrical Requirement | 220 ± 10% VAC, 50/60Hz, 1-Phase |
| Heater Capacity | 3.0 kW (2 x 1.5 kW) |
| Power Rating | 13.8 amps |
| Plug Configuration | CEE 7/7 Schuko or BS 1363 |

| | |
|----------------------------|--------------------------------------|
| Net Weight | 115 kg |
| Shipping Weight | 135 kg |
| Shipping Dims. (W x D x H) | 1050 x 800 x 1530 mm, wooden crating |

H. Standard Accessories

- Wire Shelf, Stainless Steel 304 : 3 EA
- Shelf Support : 12 EA
- Instruction Manual : 1 EA
- Warranty Card : 1 EA

I. Options & Accessories

| Art No. | Descriptions |
|---------|----------------------------------------------------------------------------------------------|
| OEC-001 | JSC-1D Digital PID Controller /w RS-232C Interface, PC Software |
| OEC-003 | JSC-3D Programmable Controller 1 Pattern 11 Segments /w RS-232C Interface, PC Software |
| OEC-005 | JSC-5D Programmable Controller 5 Patterns 80 Segments |
| PHS-A06 | Perforated Shelf, Stainless Steel 304, W470 x D480 mm |
| PHS-B06 | Wire Shelf, Stainless Steel 304, W470 x D480 mm |
| PHS-A99 | Shelf Support, Set of 4 EA |

J. Warranty

- 1 Year full coverage warranty