A. Model Name : JSON-050S
B. Product Description : Dry Heat Sterilizer
C. Manufacturer / Origin : JS Research Inc. / Rep. of KOREA

D. Application :
   Dry Heat Sterilizer is a common instrument to be used to drying, heating and sterilizing objects by heating air up to +160°C or +180°C with gravity convection system during specified sterilizing exposure time range from 30 to 60 minutes of sterilization exposure time.

E. Photo

JSON-030S Dry Heat Sterilizer
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-100Ω 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

Performance
- Gravity air convection heated from the bottom creates mild vertical air circulation in the chamber
- Separate heating compartment located on bottom with perforated heater cover
- 50mm thick high thermal efficiency mineral wool with woven aluminum barrier sheet saves energy and less dust

Convenience
- 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

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 when door opened
- SENSOR DISCONNECTION ALARM
- OVER CURRENT CUT-OFF : Electrical Leakage Breaker
G. Specifications

Chamber Volume(Capacity)  48 Liters
Inner Dims. (W x D x H)   400 x 300 x 400 mm
Outer Dims. (W x D x H)   560 x 505 x 710 mm
No. of Shelves included  2 EA
No. of Shelf position     12 EA by 25 mm spacing
No. of Ventilation damper 1 EA

Heating                    Gravity Air Convection
Temp. Range               ambient +10℃ ~ +250℃
Accuracy                  ±0.3℃ at +180℃
Uniformity                ±2.0℃ at +180℃
Heat up time to +180℃     15 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
Electrical Requirement    220 ± 10% VAC, 50/60Hz, 1-Phase
Heater Capacity           1.2 kW
Power Rating              5.5 amps
Plug Configuration        CEE 7/7 Schuko or BS 1363

Net Weight                40 kg
Shipping Weight           47 kg
Shipping Dims. (W x D x H) 550 x 600 x 860 mm, carton on a wooden palette
H. Standard Accessories
   Wire Shelf, Stainless Steel 304 : 2 EA
   Shelf Support : 8 EA
   Instruction Manual : 1 EA
   Warranty Card : 1 EA

I. Options & Accessories
   Art No.   Descriptions
   PHS-A03   Perforated Shelf, Stainless Steel 304, W370 x D280 mm
   PHS-B03   Wire Shelf, Stainless Steel 304, W370 x D280 mm
   PHS-A99   Shelf Support, Set of 4 EA

J. Warranty
   1 Year full coverage warranty