DAIHAN® SMART Forced-air Drying Oven "ThermoStable™ SOF", 3-Side Heating Zone, 50 · 105 · 155 · 305 Lit

With Smart-Lab™ Controller, 4″ Full Touch Screen TFT LCD, Fuzzy-PID Control, WiRe™ Service, Certi. & Traceability, up to 250℃, ±0.3℃

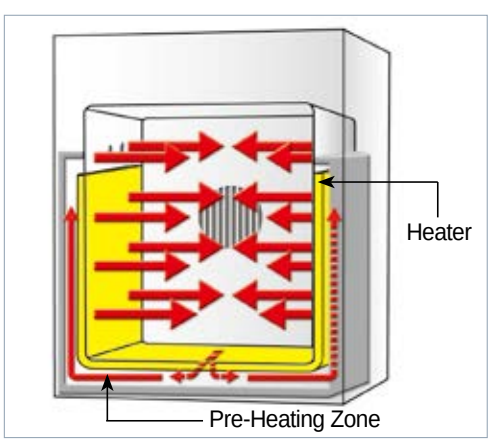
스마트 강제 순환식 정밀 건조기/오븐, 우수한 온도 정확성/균일성, WiRe™서비스, 4인치 풀터치스크린 조절기

(1) SMART Model, "ThermoStable™ SOF-105"

- ■ *UL, CUL, and CE Certified(Exclude 305 Lit-model)* ■ *GD(Good Design)-mark*
- ■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
- ■ *3-Side Heating Zone : The Best Temp. Uniformity & Accuracy by High Performance Heating Mechanism*
- ■ *Digital Fuzzy Control System Implementing Superior Temperature Accuracy*
- ■ *Optimized Air Flow by Forced-air Mechanism* ■ *PL (Product Liability) Insurance*
- ■ *Smart-Lab™ Controller WiRe™ App Service*
  - Automatic Data Recording - Self-Diagnostic Function
  - Variable Program Setting for Multiple Patterns with Multiple Segments
  - Internet Connectivity with WiFi - Controller SW can be upgraded through USB port.
  - The Recorded Data could be transferred to PC by USB memory
  - RS232C Interface for Monitoring and Controlling with PC

∗ Ambient to 250℃ of Temp. Range, Fluctuation of ±0.3℃ at 100℃

∗ Suitable for Drying, Baking, Conditioning, Curing, Pre-Heating and Aging



3-Side Heating Zone Forced-air Mechanism :
The Best Temp. Uniformity & Accuracy by High Performance Heating Mechanism
(Exclude SOF-305, SOF-W305)

Perfect Door Lock by Double Latch

Specification

Spec. \ Model		(1) SMART Model: ThermoStable SOF-50 Max. Capa. 50L	(1) SMART Model: ThermoStable SOF-105 Max. Capa. 105L	(1) SMART Model: ThermoStable SOF-155 Max. Capa. 155L	(1) SMART Model: ThermoStable SOF-305 Max. Capa. 305L
			(2) SMART-Window Model		
			ThermoStable SOF-W105	ThermoStable SOF-W155	ThermoStable SOF-W305
Capacity		50 Lit	105 Lit	155 Lit	305 Lit
Dimension (w×d×h)	Interior (mm)	370×345×420	485×415×535	550×480×600	550×470×1,180
	Exterior (mm)	518×647×724	653×712×882	718×777×947	721×777×1,619
Heater Power		650 W	1.4 kW	1.6 kW	3.4 kW
Temp.	Range	Room Temp +5℃ to 250℃			
	Fluctuation	±0.3℃ at 100℃, ±0.5℃ at 150℃			
	Variation	±1℃ at 100℃, ±1.8℃ at 150℃		±1℃ at 100℃, ±2℃ at 150℃	
	Sensor	PT 100			
Control Resolution		±0.1℃			
Heat-up Time		25 min. to 100℃, 45 min. to 150℃		25 min. to 100℃, 40 min. to 150℃	
Recovery Time (Door open 30sec)		8 min. to 100 ℃, 8 min. to 150℃	6 min. to 100 ℃, 6 min. to 150℃		
Controller		Smart-Lab™ Controller			
RS232 Port		Available to connect with PC			
Display		4″ Full Touch Screen TFT LCD			
Timer		99hr 59 min (delay/continuous function)			
Storage		Temperature and Timer setting values			
Material	Internal	Stainless-steel (#304), Corrosion Resistant			
	External	Powder Coated steel			
	Insulation	Glass Wool			
Shelf (included)		2 Wire Shelf			3 Wire Shelf
		Load per Stainless-steel Wire Shelf : 16 kg			
Ventilation		Ventilation hole with Stainless-steel Cap, Hole Diameter 40mm			
		1ea	2ea		3ea
Circulation		Forced-air Type			
Safety device		Over Temp. and Over Current Protector, Sensor Error Detector			
Alarm		Error Status and Timer-end			
Net Weight (kg)		44	69	78	159
Packing Size (w×d×h)(mm)		622×754×807	743×819×1,068	808×884×1,133	1,000×1,000×1,870
Shipping Weight (kg)		59	79	92	219
Power Consumption		674 W	1390 W	1566 W	3200 W
Energy Consumption, at 100℃		117 Wh	187 Wh	204 Wh	-
, at 150℃		230 Wh	337 Wh	398 Wh	-
Electric Reqts.		120V, 60Hz or 230V, 50/60Hz			

∗ Other Specifications are available upon Customer's Request.

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