

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°C, ±0.3°C  
 스마트 강제 순환식 정밀 건조기/오븐, 우수한 온도 정확성/균일성, WiRe™서비스, 4인치 풀터치스크린 조절기



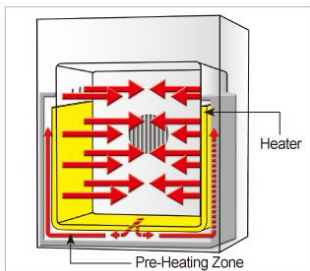
- UL, CUL, and CE Certified (Exclude 305 Lit-model) ■ GD (Good Design)-mark
  - with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
  - 3-Side Heating Zone : The Best Temp. Uniformity & Accuracy by High Performance Heating Mechanism
  - 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°C of Temp. Range, Fluctuation of ±0.3°C at 100°C  
 \* Suitable for Drying, Baking, Conditioning, Curing, Pre-Heating and Aging

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

### Specification

Spec.	Model	(1) SMART Model			
		ThermoStable SOF-50 Max. Capa. 50L	ThermoStable SOF-105 Max. Capa. 105L	ThermoStable SOF-155 Max. Capa. 155L	ThermoStable SOF-305 Max. Capa. 305L
		(2) SMART-Window Model			
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°C to 250°C			
	Fluctuation	±0.3°C at 100°C, ±0.5°C at 150°C			
	Variation	±1°C at 100°C, ±1.8°C at 150°C, ±1°C at 100°C, ±2°C at 150°C			
Sensor		PT 100			
Control Resolution		±0.1°C			
Heat-up Time		25 min. to 100°C, 45 min. to 150°C		25 min. to 100°C, 40 min. to 150°C	
Recovery Time (Door open 30sec)		8 min. to 100°C, 8 min. to 150°C		6 min. to 100°C, 6 min. to 150°C	
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	
		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°C		117 Wh	187 Wh	204 Wh	-
	, at 150°C	230 Wh	337 Wh	398 Wh	-
Electric Reqts.		120V, 60Hz or 230V, 50/60Hz			

\* Other Specifications are available upon Customer's Request.



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

### Ordering Information

#### (1) Smart Model, Forced-air, with Wire Shelf

DH.SWOF05050	Oven, Standard, 230V, 50 Lit, "ThermoStable SOF-50"
DH.SWOF05105	, 105 Lit, "ThermoStable SOF-105"
DH.SWOF05155	, 155 Lit, "ThermoStable SOF-155"
DH.SWOF05305	, 305 Lit, "ThermoStable SOF-305"
DH.SWOF06050	Oven, Standard, 120V, 50 Lit, "ThermoStable SOF-50"
DH.SWOF06105	, 105 Lit, "ThermoStable SOF-105"
DH.SWOF06155	, 155 Lit, "ThermoStable SOF-155"
DH.SWOF06305	, 305 Lit, "ThermoStable SOF-305"

#### (2) Built in Viewing Window Model, Forced-air, with Wire Shelf

DH.SWOF07105	Oven, Window, 230V, 105 Lit, "ThermoStable SOF-W105"
DH.SWOF07155	, 155 Lit, "ThermoStable SOF-W155"
DH.SWOF07305	, 305 Lit, "ThermoStable SOF-W305"
DH.SWOF08105	Oven, Window, 120V, 105 Lit, "ThermoStable SOF-W105"
DH.SWOF08155	, 155 Lit, "ThermoStable SOF-W155"
DH.SWOF08305	, 305 Lit, "ThermoStable SOF-W305"

#### Spare Stainless-steel Wire Shelf

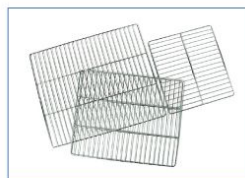
DH.WOF11050	Wire Shelf, for 50 Lit, "OFS050", w340 × d310mm
DH.WOF11105	, for 105 Lit, "OFS105", w455 × d375mm
DH.WOF11155	, for 155 / 305 Lit, "OFS155", w520 × d440mm

#### Forced-air Oven with Validation (IQ, OQ) Service

DH.SWOF31050	Validation Service(IQ, OQ), with "SOF-50", "SOFV1050"
DH.SWOF31105	, with "SOF-105", "SOFV11050"
DH.SWOF31155	, with "SOF-155", "SOFV11550"
DH.SWOF32105	Validation Service(IQ, OQ), with "SOF-W105", "SOFV21050"
DH.SWOF32155	, with "SOF-W155", "SOFV21550"



(2) SMART-Window Model, Forced-air Oven



Stainless-steel Wire Shelf (Included)

### DAIHAN WiRe™ App Service



4" Full Touch Screen TFT LCD (Smart-Lab™ Controller)

It is possible to monitor and control the Smart-Lab™ equipment through all smart-phone, tablet without restraint of time and place.



WiRe™ App Service

Controlled by Smart-Phone