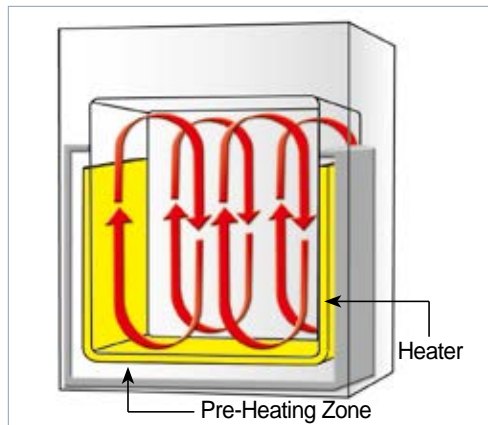


DAIHAN® SMART Gravity-air Drying Oven “ThermoStable™ SON”, 3-Side Heating Zone, 32 · 50 · 105 · 155 Lit
 With **Smart-Lab™ Controller**, 4” Full Touch Screen, Fuzzy-PID Control, WiRe™ Service, with Certi. & Traceability, up to 230℃, ±0.5℃
 스마트 자연 대류식 정밀 건조기/오븐, 우수한 온도 정확성/균일성, WiRe™서비스, 4인치 풀터치스크린 조절기



(1) SMART Model, “ThermoStable™ SON-105”



3-Side Heating Zone : The Best Temp. Uniformity & Accuracy by High Performance Heating Mechanism (Gravity-air Mechanism)



Perfect Door Lock by Double Latch

- UL, CUL, and CE Certified ■ 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 Gravity-air Mechanism ■ PL(Product Liability) Insurance
 - Smart-Lab™ Controller WiRe™ App Service
 - Automatic Data Recording
 - Self-Diagnostic Function
 - Ergonomic Design 4” Full Touch Screen TFT LCD
 - Self-Diagnostic Function with WiFi
 - Variable Program Setting for Multiple Patterns with Multiple Segments
 - Internet Connectivity with WiFi
 - The Recorded Data could be transferred to PC by USB memory
 - Controller SW can be upgraded through USB port.
 - RS232C Interface for Monitoring and Controlling with PC
- * Ambient to 230℃ of Temp. Range, Fluctuation of ±0.5℃ at 100℃
 * Suitable for Drying, Baking, Conditioning, Curing, Pre-Heating and Aging
 * Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be disabled)

Specification

Spec.	Model	(1) SMART Model			
		SON-32 Max. Capa. 32L	SON-50 Max. Capa. 50L	SON-105 Max. Capa. 105L	SON-155 Max. Capa. 155L
		(2) SMART-Window Model			
Capacity		32 Lit	50 Lit	105 Lit	155 Lit
Dimension (w × d × h)	Interior (mm)	310 × 290 × 360	370 × 350 × 420	485 × 409 × 535	550 × 474 × 600
	Exterior (mm)	458 × 557 × 664	518 × 647 × 724	653 × 712 × 882	718 × 777 × 947
Heater Power		500 W	650 W	1.4 kW	1.6 kW
Temp.	Range	Room Temp +5℃ to 230℃			
	Fluctuation	± 0.5℃ at 100℃, ± 0.6℃ at 150℃			± 0.5℃ at 100℃, ± 0.8℃ at 150℃
	Variation	± 1.2℃ at 100℃, ± 2.2℃ at 150℃			
	Sensor	PT 100			
Control Resolution		±0.1℃			
Heat-up Time		30 min. to 100℃, 43 min. to 150℃	30 min. to 100℃, 45 min. to 150℃	35 min. to 100℃, 50 min. to 150℃	
	Recovery Time (Door open 30sec)	8 min. to 100℃, 10 min. to 150℃		10 min. to 100℃, 12 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 Stainless-steel Wire Shelf, Load per Shelf : 16 kg			
Ventilation		Ventilation hole with Stainless-steel Cap, Hole Diameter 40mm			
		1ea		2ea	
Circulation		Gravity-air Type			
Safety device		Over Temp. and Over Current Protector, Sensor Error Detector			
Alarm		Error Status and Timer-end			
Net Weight (kg)		36	44	69	78
Packing Size (w × d × h) (mm)		562 × 664 × 747	622 × 754 × 807	743 × 819 × 1,068	808 × 884 × 1,133
Shipping Weight (kg)		43	59	79	92
Power Consumption		502 W	674 W	1390 W	1566 W
Energy Consumption, at 100℃		90 Wh	117 Wh	187 Wh	204 Wh
	, at 150℃	181 Wh	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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