Forced Convection Ovens | Large Capacity, Precision, Horizontal

DF811C/1011C, DH811C/1011C

| Forced Convection | Automatic Overheating Preventer | Independent Overheating Preventer | Self-diagnostic Function | Key Lock Function | Power Failure Compensation Function | Overcurrent Leakage Circuit Breaker |

| Operating temp. range | DF: RT+10 ~ 200℃ | DH: RT+10 ~ 300℃ | Temp. distribution accuracy | DF: ±3.0℃ (at 200℃) | DH: ±5.0℃ (at 300℃) | Internal capacity | 512L | 1000L |

Large capacity high-precision constant temperature ovens for thermal processing.

■ Features
- Easy operation, available for fixed temp., program, quick auto stop, auto stop and auto start operations.
- Digital setting through special function menu keys and up/down keys. 6 modes with 90 segments program controller.
- Overheating protection, deviation correction and key locking through submenu keys.
- Quick exhaust and cooling through exhaust dampers.

■ Safety
- With self-diagnostic circuits (temperature sensor anomaly, heater disconnection, automatic overheating prevention, SSR short circuit), overheat prevention device, leakage protection switch for overcurrent prevention, key lock, and other safety features.

■ Specifications

	Model		DF811C	DF1011C	DH811C	DH1011C
System			Forced convection and ventilation			
Performance		Operating temp. range	Room temp. +10~200℃		Room temp. +10~300℃	
	GB standard	Temp. fluctuation	±0.2℃ (at 200℃)		±0.3℃ (at 300℃)	
		Temp. deviation	±1.5℃ (at 100℃), ±2℃ (at 200℃)		±1.5℃ (at 100℃), ±2℃ (at 200℃), ±4℃ (at 300℃)	
	JTM standard	Temp. adjusting accuracy	±0.2℃ (at 200℃)		±0.3℃ (at 300℃)	
		Temp. distribution accuracy	±3.0℃ (at 200℃)		±5.0℃ (at 300℃)	
	Max. temp. reaching time		Approx. 60 min (to 200℃)		Approx. 80 min (to 300℃)	
Composition	Interior material		Stainless steel plate			
	Exterior material		Cold rolled steel plate with chemical proofing coating			
	Insulating material		Glass fiber		Rock wool	
	Heater		Stainless steel heating tubes with fins			
			4.5KW	6.0KW	6.9KW	9.0KW
	Fan blade/motor		Axial fan blades, motor 20W×1	Axial fan blades, motor 20W×2	Axial fan blades, motor 20W×1	Axial fan blades, motor 20W×2
	Cable port		I.D. 30 mm, located on the back			
	Other additional mechanisms		Exhaust dampers (manual)			
Controllers	Temp. control method		3-stage PID			
	Temp. setting method		Digital setting through special function menu keys and up/down keys			
	Temp. display method		Achieved Temp. display: Green 4-digit LED digital display			
			Setting temp. display: Red 4-digit LED digital display			
	Timer		1 min~99 h 59 min and 100~999 h 50 min (including timer waiting function)			
	Operation functions		Fixed temp. operation, auto start, auto stop, program operation			
	Program mode		Program operation 6 modes with a total of 90 segments (30 segments ×1, 15 segments ×2, 10 segments ×3)			
	Additional functions		Deviation correction, key lock, power failure compensation			
	Heater circuit control		SSR drive			
	Sensors		K thermocouple (Temp. controller and overheating protector)			
Safety device			Self-diagnostic circuit (temperature sensor anomaly, heater disconnection protection, automatic overheating preventer, SSR short-circuit), overheating preventer, overcurrent leakage protection, key lock functions			
Specifications	Internal dimensions (W×D×H mm)		800×800×800	1000×1000×1000	800×800×800	1000×1000×1000
	External dimensions (W×D×H mm)		1500×1015×1340	1700×1215×1540	1500×1015×1340	1700×1215×1540
	Internal capacity		512L	1000L	512L	1000L
	Shelf load		30kg/layer			
	Shelf layers/shelf support spacing		15 layers/50mm	19 layers/50mm	15 layers/50mm	19 layers/50mm
	Power supply (50/60Hz) rated current		3 phase AC380V 7.5A	3 phase AC380V 10A	3 phase AC380V 11A	3 phase AC380V 14.5A
	Weight		Approx. 350kg	Approx. 450kg	Approx. 350kg	Approx. 450kg
Accessories	Shelf		Stainless punching mesh plate			
			3 pcs			
	Supports		6 pcs			
Options			Shelf (1 shelf with 2 supports), cable port (30/50mm), micro printer, data logger, combination warning light (standby/running/fault), automatic vent, viewing window, external communication function (RS485), temperature output terminal (4~20mA), external alarm output terminal, time-up output terminal, centralized monitoring software, touch screen controller			