Fine 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**
- Feature 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 door, 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			