

Fine Oven, Safety Standard Type

DF411SC/611SC, DH411SC/611SC

Forced convection circulation

Auto overheat prevention

Overheat protector

Self-diagnosis function

Key lock function

Power outage compensation

Overcurrent electric leakage breaker

Temp. range DF: RT+10~260°C

DH: RT+10~360°C

Temp. distribution accuracy

DF: $\pm 2.5^{\circ}\text{C}$ (at 260°C)DH: $\pm 3.0^{\circ}\text{C}$ (at 360°C)

Internal capacity

91L

216L

Fine constant temp. oven with pressure relief device.



■ Features

- Configured with pressure relief safety valve (explosion port) and firm interlock knob fixing unit body and door.
- Interlock functions:
 - ① Through the door lock mechanism, it can make the device run in a state of door locking.
 - ② The explosion detector is set on the top, the operation will stop once it activates.
- Easy operation, available for fixed temp., program, quick auto stop, auto stop and auto start operations.
- Use the exhaust damper to exhaust air quickly and cool in chamber.

■ Safety

- Self-diagnosis circuit (abnormal temp. sensing, heater disconnection, auto overheat prevention, SSR short circuit), overheat protector, ELB to prevent overcurrent, key lock, etc.

■ Specifications

Model	DF411SC	DF611SC	DH411SC	DH611SC	
System	Forced convection circulation and ventilation				
Performance	Operating temp. range	RT+10 ~ 260°C		RT+10 ~ 360°C	
	Temp. control accuracy	$\pm 0.1^{\circ}\text{C}$ (at260°C)		$\pm 0.2^{\circ}\text{C}$ (at360°C)	
	Temp. distribution accuracy	$\pm 2.5^{\circ}\text{C}$ (at260°C)		$\pm 3.0^{\circ}\text{C}$ (at360°C)	
	Max. temp. reaching time	Approx.60min (to260°C)		Approx.80min (to360°C)	
Structure	Interior	Stainless steel plate			
	Exterior	Cold rolled steel plate with chemical proofing coating			
	Insulating material	Glass fibre		Rock wool	
	Heater	Stainless steel heating pipe with fin			
		2.1KW	3.0KW	2.7KW	3.75KW
	Blow fan / motor	Axial flow fan, motor 20W×1			
	Cable hole	I.D. 30mm (at back)			
Other additional function	Pressure relief safety valve (explosion port), exhaust damper (manual)				
Controller	Temp. control	3 segments PID			
	Temp. setting	Use specialized function menu key and up/down key to set			
	Temp. display	Measured temp. display: green 4-digit LED digital display			
		Setting temp. display: red 4-digit LED digital display			
	Timer	1min-99 hr 59 min and 100 hr-999 hr 50 min (attached with timing wait function)			
	Operation function	Fixed temp. operation, auto start, auto stop, program operation			
	Program mode	Program operation 3 segments 30 steps (30 steps×1, 15 steps×2, 10 steps×3)			
	Additional function	Deviation correction, key lock, power outage compensation			
Heater circuit control	SSR driving				
Sensor	K thermocouple (temp. controller and overheat protector)				
Safety device	Self-diagnosis circuit (abnormal temp. sensing, heater disconnection, auto overheat prevention, SSR short circuit), overheat protector, overcurrent ELB, key lock				
Spec.	Internal dimensions (W×D×Hmm)	450×450×450	600×600×600	450×450×450	600×600×600
	External dimensions (W×D×Hmm)	1050×630×850	1200×780×1000	1050×630×850	1200×780×1000
	Internal capacity	91L	216L	91L	216L
	Shelf plate with standard load	30kg/piece			
	Shelf plate steps/Shelf rest pitch	9steps/45mm	9steps/60mm	9steps/45mm	9steps/60mm
	Power supply (50/60Hz) rated current	AC220V 10A	AC220V 14A	AC220V 13A	AC220V 17.5A
	Weight	Approx.78kg	Approx.109kg	Approx.78kg	Approx.109kg
Accessories	Shelf plate	Stainless steel wire screen plate			
		2 pcs	3 pcs	2 pcs	3 pcs
	Shelf rest	4 pcs	6 pcs	4 pcs	6 pcs
Options	Stand	OP42C	OP62C	OP42C	OP62C
	Others	Shelf plate (1 plate with 2 rests), cable hole (30/50mm), recorder, indicator lamp (stand-by/running/mafunction), observation window, external communication (RS485), temp. output terminal (4~20mA), Output terminal for alarm device, time up output terminal			

Fine Oven, Safety Large Capacity

DF811SC/1011SC, DH811SC/1011SC

Forced convection circulation

Auto overheat prevention

Overheat protector

Self-diagnosis function

Key lock function

Power outage compensation

Overcurrent electric leakage breaker



Specifications

Model	DF811SC	DF1011SC
System	Forced convection circulation and ventilation	
Operating temp. range	RT +10 ~ 200°C	
Temp. control accuracy	±0.2°C (at200°C)	
Temp. distribution accuracy	±3.0°C (at200°C)	
Max. temp. reaching time	Approx. 60 min (to200°C)	
Heater	4.5KW	6.0KW
Blow fan / motor	Axial flow fan, motor 20W×1	Axial flow fan, motor 20W×2
Internal dimensions (W×D×Hmm)	800×800×800	1000×1000×1000
External dimensions (W×D×Hmm)	1500×1015×1742	1700×1215×1942
Internal capacity	512L	1000L
Power supply (50/60Hz)	3 phase AC380V 8A	3 phase AC380V 10.5A
Weight	Approx. 210kg	Approx. 280kg

Model	DH811SC	DH1011SC
System	Forced convection circulation and ventilation	
Operating temp. range	RT +10 ~ 300°C	
Temp. control accuracy	±0.3°C (at300°C)	
Temp. distribution accuracy	±5.0°C (at300°C)	
Max. temp. reaching time	Approx. 80 min (to300°C)	
Heater	6.9KW	9.0KW
Blow fan / motor	Axial flow fan, motor 20W×1	Axial flow fan, motor 20W×2
Internal dimensions (W×D×Hmm)	800×800×800	1000×1000×1000
External dimensions (W×D×Hmm)	1500×1015×1742	1700×1215×1942
Internal capacity	512L	1000L
Power supply (50/60Hz)	3 phase AC380V 11.5A	3 phase AC380V 16A
Weight	Approx. 210kg	Approx. 280kg

Fine Oven, Safety 500°C

DH450SC/650SC/850SC

Forced convection circulation

Auto overheat prevention

Overheat protector

Self-diagnosis function

Key lock function

Power outage compensation

Overcurrent electric leakage breaker



Specifications

Model	DH450SC	DH650SC	DH850SC
System	Forced convection circulation and ventilation		
Operating temp. range	RT +10 ~ 500°C		
Temp. control accuracy	±0.2°C (at500°C)		
Temp. distribution accuracy	±5.0°C (at500°C)		±8.0°C (at500°C)
Max. temp. reaching time	Approx. 60 min		Approx. 80 min
Heater	6.0KW	7.8KW	9.0KW
Blow fan / motor	Axial flow fan, self-cooling high-temp. motor 20W×1		
Internal dimensions (W×D×Hmm)	450×450×450	600×600×600	800×800×800
External dimensions (W×D×Hmm)	1200×800×1550	1350×950×1700	1550×1150×1900
Internal capacity	91L	216L	512L
Power supply (50/60Hz)	Single phase AC220V 30A	3 phase AC380V 12A	3 phase AC380V 15A
Weight	Approx. 210kg	Approx. 300kg	Approx. 370kg

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Special Ovens

Forced convection

Natural convection

Fine type

Options

Labware Drying

Anti-explosion

Far infrared Heating

Inert

Clean

Inert & Clean

Vacuum

Semiconductor & Electronics

Battery

Flat panel display

Others