

With high accuracy temperature control and exhaust damper

DF411C/611C•DH411C/611C

Operating
temp. range

RT+10°C~260°C
DF

RT+10°C~360°C
DH

Temp. distribution
accuracy

±1.5°C(at 260°C)
DF

±2.5°C(at 360°C)
DH

Internal
capacity

91L
Model 411C

216L
Model 611C

High-precision thermal treatment constant temp. oven



(Stands Optional)

■ Features

- Easy operation with fixed temp., program, quick auto stop, auto stop and auto start functions.
- Designed with specialized function menu key and up/down key to set and submenu key to operate overheat protector, deviation correction and key lock.
- Program operation: 3 segments, 30 steps
- Exhaust damper allows quick exhaust and cooling of inside chamber.

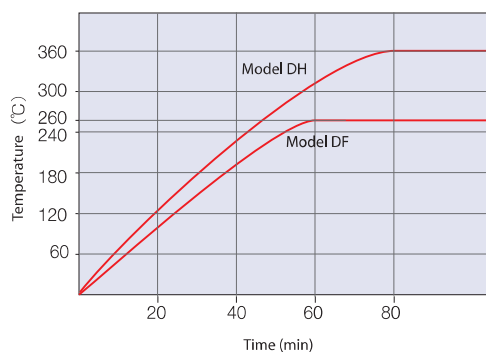
■ Safety

- Self-diagnosis circuit (abnormal temp. sensing, heater disconnection, auto overheat prevention, SSR short circuit), overheat protector, electric leakage breaker, key lock, etc.

■ Specifications

Model		DF411C	DF611C	DH411C	DH611C
System		Forced air circulation and ventilation			
Operating temp. range		Room temp.+10°C~260°C		Room temp.+10°C~360°C	
Temp. adjustment accuracy		±0.1deg.C (at 260°C)		±0.2deg.C (at 360°C)	
Temp. distribution accuracy		±1.5deg.C (at 260°C)		±2.5deg.C (at 360°C)	
Max temp. reaching time		Approx. 60 min. (to 260°C)		Approx. 80 min. (to 360°C)	
Interior		Stainless steel plate			
Exterior		Cold rolled steel plate with chemical proofing coating			
Insulating material		Glass fibre		Rock wool	
Heater		Stainless pipe heater with fin			
		2.1kW	3.0kW	2.7kW	3.75kW
Blower fan (motor)		Axial flow fan (Capacitor motor: 20W)			
Cable hole		I.D. 30mm (at back)			
Additional mechanism		Exhaust damper (Manual)			
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 functions		Deviation correction, Key lock, Power outage compensation			
Heater circuit control		SSR driving			
Blower fan (motor)		Axial flow fan (Capacitor motor: 20W)			
Sensor		K thermocouple (Temp. controller and overheat protector)			
Internal dimensions (W×D×Hmm)		450×450×450	600×600×600	450×450×450	600×600×600
External dimensions (W×D×Hmm)		1,050×630×850	1,200×780×1000	1,050×630×850	1,200×780×1000
Internal capacity		91L	216L	91L	216L
Shelf plate with standard load		Approx. 30kg / pc			
Shelf plate steps/Shelf rest pitch		9 steps / 45mm	9 steps / 60mm	9 steps / 45mm	9 steps / 60mm
Power source		AC 220V 10A	AC 220V 14A	AC 220V 13A	AC 220V 17.5A
Weight		Approx. 78kg	Approx. 109kg	Approx. 78kg	Approx. 109kg
Shelf / bracket		2 pcs. / 4 pcs.	3 pcs. / 6 pcs.	2 pcs. / 4 pcs.	3 pcs. / 6 pcs.
Optional	Stand	OP42C	OP62C	OP42C	OP62C
	Others	Shelf plate (1 plate with 2 rests), Cable hole (30 / 50mm), Recorder, Indicator lamp (Stand-by / Running/Malfunction), Observation window, External communication (RS485), Temp. output terminal (4-20mA), Output terminal for alarm device, Time up output terminal			

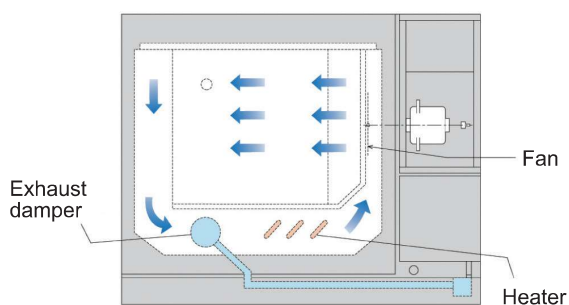
Temperature Rising Curve



Control Panel



Structure diagram



Interior



Optional items



- (1)Exhaust duct
- (2)Recorder
- (3)Observation window

Dimensions (Unit:mm)

