

Fine Oven

With high accuracy temperature control and exhaust damper

DH612

Operating
temp. range

Room temp. +15°C to 360°C

Temp. distribution
accuracy

±2.5°C (at 360°C)

Internal
capacity

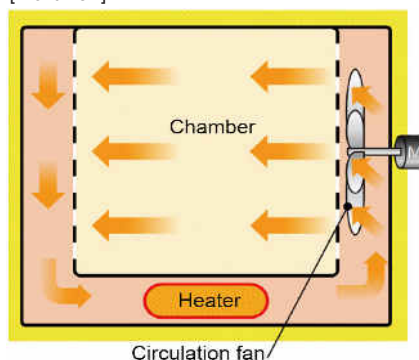
216L

Circulates uniformed heated air in a horizontal air flow pattern



- Improved visibility and operability of control panel
- Precise temperature stability & uniformity
- Adjustable air flow function
- Displays of power consumption, CO₂ emission, heat timer and adjustable air speed function are standard.
- Program operation function (up to 99 steps or 99 pattern, with repeat operation)
- Equipped with exhaust and cable ports

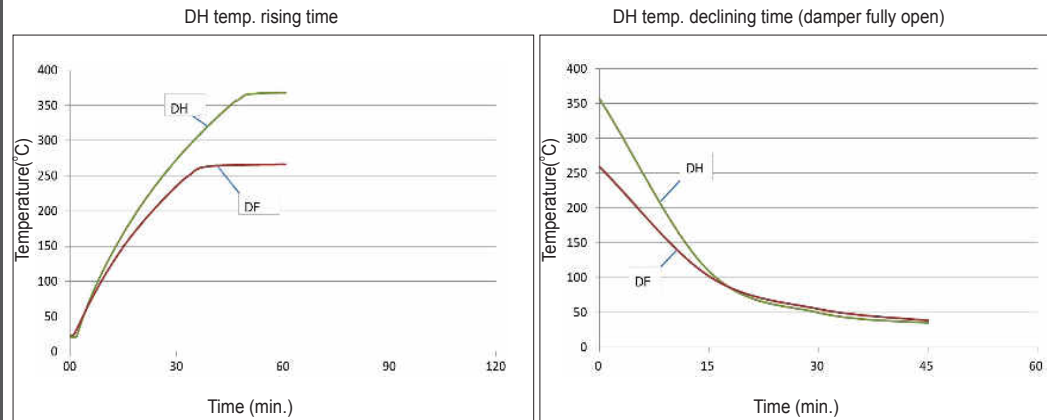
[Front view]



Specifications

Model	DH612
System	Forced air circulation and ventilation
Operating temp. range	Room temp. +15~360°C
Temp. adjustment accuracy	± 0.2°C (at 360°C)
Temp. distribution accuracy	± 2.5°C (at 360°C)
Max. temp. reaching time	~60 min. (Time reaches 360°C when setting at 370°C)
Temp. control system	PID controlled by microprocessor
Temp. setting method	Digital setting by ▲/▼ key
Temp. display method	Setting temp. display: Digital display by 5-digit orange LED (resolution: 1°C) Temp. display: Digital display by 4-digit green LED (resolution: 1°C)
Timer / Timer resolution	1 min ~ 99 hrs. 59 min. (Timer resolution: 1 min. and 1 hr.)
Operation functions	Fixed temperature, Quick auto stop, Auto start, Auto stop, Program operation: up to 99 steps, 99 patterns, repeat operation function
Additional functions	Timer accumulation (up to 65535 hrs), Calendar timer (24 hrs.), Calibration offset, Monitor display of Power consumption, CO ₂ emissions and Heat timer, Power failure recovery mode, Storage and read out of user setting information, Air flow adjustment device
Sensor	K thermocouple (double sensor)
Heater insulator	SUS pipe heater with fan
Heater capacity	3.75 kW
Blower fan (motor)	Axial fan (capacitor type motor 20W)
Cable port	I.D. 33 mm x 1 pc. (rear)
Interior material	Stainless steel
Heat insulator	Glass wool
Heater circuit control	Triac with zero-crossing method
Safety device	Self diagnostic function (sensor anomaly detection, heater disconnection detection, triac short circuit detection, main relay failure detection, automatic overheat prevention), overheating prevention device, key lock function, electric leakage breaker, door switch, control box switch, fan error detection
Internal dimensions (W×D×H) (mm)	600 x 600 x 600
External dimensions (W×D×H) (mm)	1200 x 780 x 1000
Internal capacity	216 L
Shelf support qty. / pitch	9 steps / 60mm
Power source 50 / 60 Hz	Single phase AC220V 17.5A
Weight	~156 kg
Shelf / bracket	3 pcs / 6 pcs

Performance



Interior



Control Panel



Optional Items

Shelf / Bracket



Stainless steel punching shelf



Stainless steel wire shelf



Basket-type shelf
(Placed on top of the standard shelves)

Options



Paperless recorder
(Built-in) YHR150



Exhaust duct



External output terminal



- (1) Exhaust duct (213704)
- (2) Emergency stop switch (213709)
- (3) Paperless recorder (Built-in) (213707)
- (4) Stand (with casters) (415467)

Description	Model	Product code
Stand	OP63 (Without casters) OP66 (With casters, 2 stopper in front)	415465 415467
Stacking Support	ODF48	213700
Shelf	Stainless steel wire (Load-bearing 30kg / pc)	211064
	Stainless steel punching (Load-bearing 15kg / pc)	211099
	Basket-type stainless steel (Load-bearing 15kg / pc)	ODT14 212925
*Automatic damper	ODF60	213706
*Exhaust duct (Dia. 80mm)	ODF56	213704
*Flange for exhaust port	ODF46	281069
*Emergency stop switch	ODF66	213709
*Paperless recorder (built-in)	ODF62	213707
*Power cord (~8m)	ODF70	213711
*External communication terminal (RS485)	ODF72	213712
*Adapter for external communication	OIN90	211880
*Temp. output terminal (4-20mA)	ODF74	213713
*External alarm output terminal	ODF76	213714
*Time-up output terminal	ODF78	213715
*Operation signal output terminal	ODF80	213716
*Event output terminal	ODF82	213717
*Cable port ϕ 25mm (on top)	ODF84	213718
*Cable port ϕ 50mm (on top)	ODF86	213719
*Cable port ϕ 25mm (rear)	ODF88	213720
*Cable port ϕ 50mm (rear)	ODF90	213721

* Customized from factory. Please specify when ordering main unit.

Attention

- Never use in flammable or explosive gas atmosphere.
- Never use explosive or flammable material.
- Caution: High temperature components.