

Fine Oven (Large Capacity)

With high accuracy temperature control and exhaust damper

DF832/1032 DH832/1032

Forced convection circulation

Auto overheat prevention

Independent overheat protector

Self-diagnosis

Key lock

Power outage compensation

Overcurrent ELB

Operating temp. range

RT +15°C~200°C
DF832/1032

RT +15°C~300°C
DH832/1032

Temperature slope

12°C (at 200°C)
DF832/1032

18°C (at 300°C)
DH832/1032

Internal capacity

512L
DF/DH832

1,000L
DF/DH1032

Large fine oven designed to support high throughput

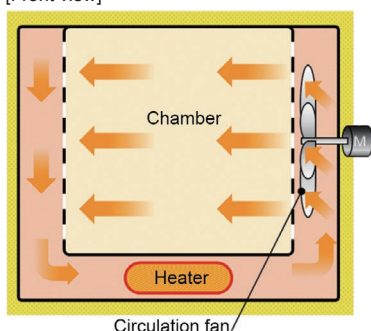
- Allows precision maintenance of large parts at a constant temperature
- Quick exhaust and cooling in the unit with the exhaust damper
- Interactive key entry on the control panel with a green LED digital display for easy settings
- Features power consumption/CO₂ emissions monitoring
- Increased safety and self diagnostic functions



1,000L
DH1032

Method

[Front view]



Specifications

Product code	211760	211761	211762	211763
Model	DF832	DF1032	DH832	DH1032
System	Forced air circulation and ventilation			
Operating temp. range	Room temp. +15°C~200°C		Room temp. +15°C~300°C	
Temperature fluctuation*1	3°C (at 200°C)		3.0°C (at 300°C)	
Temperature slope*1 *2	12°C (at 200°C)		18°C (at 300°C)	
Temperature controller	PID control by microprocessor			
Temp setting method	Digital setting with ▲/▼ keys			
Timer	1 min~99 hrs 59 min (Resolution: 1 minute or 1 hour)			
Operation function	Fixed temperature operation, Auto start, Auto stop, Quick auto stop, Program operation (Maximum 99 steps, Up to 99 patterns, Repeat operation function)			
Additional functions	Accumulated power on and operation time (up to 65,535 hours); Calendar time (24 hours); Calibration offset; Monitor display of accumulated power consumption, Total CO ₂ emission, And heater operating output, Power recovery mode, User settings save and restore function, Fan speed setting function			
Sensor	K-thermocouple (Double sensor)			
Heater	Stainless steel pipe heater with fins			
	4.5kW	6.0kW	6.9kW	9.0kW
Fan motor	Axial flow fan (Capacitor motor: 20W), Two motors used for Model1032			
Cable port	I.D. ø30mm (rear)			
Heat insulator	Glass wool		Glass wool + Ceramic fiber	
Additional mechanism	Exhaust damper (Manual operation)			
Safety device	Self-diagnostic functions (Temp. sensor error, Heater disconnection, SSR short-circuit, Automatic overheat prevention), Door switch, Fan failure detection, Key lock, Independent overheat protection, Electric leakage breaker with over current protection			
Power supply (50/60 Hz)	3 phase AC220V 14A	3 phase AC220V 19A	3 phase AC220V 20A	3 phase AC220V 28A
Internal dimensions	W800×D800×H800mm	W1,000×D1,000×H1,000mm	W800×D800×H800mm	W1,000×D1,000×H1,000mm
External dimensions*3	W1,500×D1,015×H1,330mm	W1,700×D1,215×H1,530mm	W1,500×D1,015×H1,330mm	W1,700×D1,215×H1,530mm
Internal capacity	512L	1,000L	512L	1,000L
Weight	Approx. 350kg	Approx. 450kg	Approx. 350kg	Approx. 450kg
Shelf / bracket	Stainless punching metal shelf (loading up to 15kg/shelf) 3pcs. / 3 sets			

The length of the power cord is about 2 meters outside the unit

*1 Conditions : Temperature and humidity 23°C±5°C, 65%RH±20% (no load). *2 This is the value obtained by dividing the measured value according to JIS by 2.

*3 Do not include protrusions