

Industrial Fine Ovens

DF832/1032 & DH832/1032



Large fine oven designed to support high throughput.

Operating temp. range
Room temp. +15 deg.C to 200 deg.C (DF) Room temp. + 15 deg.C to 300 deg.C (DH)
Temp. gradient (JIS)
+/- 12 deg.C (at 200 deg.C)(DF) +/- 18 deg.C (at 300 deg.C)(DH)
Internal capacity
512L (832)/1000L (1032)

- Simple Operation by Interactive Key Input.
- Operation Monitor visualizes Controller Status, Temp and Temp. Changing.
- Incorporates with maximum 99 steps, 99 patterns program controller with repeat function.
- Exhaust damper allows quick exhaust and cooling of inside.
- Standard functions include program operation and other high precision functions.
- Improved safety functions include the self diagnostic function, the automatic overheat prevention function, and the key lock function.

■ Specifications

Product code	211760	211761	211762	211763
Model	DF832	DF1032	DH832	DH1032
System	Forced convection and ventilation			
Performance*1				
Operating temp. range	Room temp. +15 deg.C to 200 deg.C		Room temp. +15 deg.C to 300 deg.C	
Temp. fluctuation (JIS)	+/- 1.5 deg.C (at 200 deg.C)		+/- 1.5 deg.C (at 300 deg.C)	
Temp. gradient (JIS)	+/- 12 deg.C (at 200 deg.C)		+/- 18 deg.C (at 300 deg.C)	
Configuration & function				
Temperature control	PID control with a micro computer			
Temp and time setting	Digital Setting by UP/DOWN Key			
Operation & control	Fixed temp., Auto-start, Auto-stop, Quick auto stop, Program (Max.99 steps, 99 patterns, repeat)			
Additional functions	Calendar timer (max. 24 Hrs.), Integration time (max. 65535Hrs.), Clock, Calibration off-set, Display the amount of Power consumption/CO2 discharge/Heater operation amount, Power failure recovery mode, User setting information save and recall, Wind velocity changeable function			
Temp. sensor	K-thermocouple (double sensor)			
Heater	Stainless steel pipe heater with a fan			
Heater capacity	4.5 kW	6.0 kW	6.9 kW	9.0 kW
Fan	Axial fan (condenser motor: 20W, two motors are used in 1032)			
Cable port	I.D. 30 mm (rear panel)			
Heat insulator	Glass wool		Glass wool + ceramic fiber	
Other additional function	Exhaust damper (manual)			
Safety functions	Self diagnosis functions(Sensor, Fan, Heater, Relay, Triac, Automatic overheat prevention), Independent overheat prevention, Key lock function, Electric leakage breaker, Door switch			
Standards				
Internal dimensions (W x D x H)	800 x 800 x 800 mm	1,000 x 1,000 x 1,000 mm	800 x 800 x 800 mm	1,000 x 1,000 x 1,000 mm
External dimensions*2 (W x D x H)	1,500 x 1,015 x 1,330 mm	1,700 x 1,215 x 1,530 mm	1,500 x 1,015 x 1,330 mm	1,700 x 1,215 x 1,530 mm
Internal capacity	512L	1,000L	512L	1,000L
Weight	Approx. 350 kg	Approx. 450 kg	Approx. 350 kg	Approx. 450 kg
Power supply (50/60 Hz)	3-phase 200V, 50/60 Hz, 15A	3-phase 200V, 50/60 Hz, 20A	3-phase 200V, 50/60 Hz, 22A	3-phase 200V, 50/60 Hz, 30A
Accessories				
Shelf	Stainless steel punching metal x 3			
Shelf support	3 sets			

*1 Conditions: temperature and humidity: 23 deg.C+/-5 deg.C, 65%RH+/-20% (no load)

*2 External dimensions do not include protrusions.