

Fine Oven (Tall)

Large capacity

DFS710/810, DHS710/810

Operating temp. range RT +15°C~260°C
DFS710/810

RT +15°C~360°C
DHS710/810

Temp. distribution accuracy

±2.0°C (at 360°C)
DFS710/810

±3.0°C (at 360°C)
DHS710/810

Internal capacity

418L
DFS/DHS710

558L
DFS/DHS810

Optimized for various temperature characteristic tests.

Accurate temperature control and wide temperature range allow various heat treatment and temperature characteristic tests.

- Improved visibility and operability of the control panel.
- Max. 99 steps program operation is possible.
- Forced hot air circulation and ventilation by a damper.
- Safety measures are enriched, including self-diagnosis function and an independent overheating prevention device.

Control Panel



Specifications

Product code	211249	211250	211251	211252
Model	DFS710	DFS810	DHS710	DHS810
System	Forced convection and ventilation			
Operating temperature range	Room temp. +15~260°C		Room temp. +15~360°C	
Temperature adjustment accuracy*1	± 0.2°C (at 260°C) JTM K05		± 0.3°C (at 360°C) JTM K05	
Temperature distribution accuracy*1	± 2.0°C (at 260°C) JTM K05		± 3.0°C (at 360°C)JTM K05	
Max. temperature reaching time*1	Approx. 40 min. (at 260°C)		Approx. 50 min. (at 360°C)	
Interior material	Stainless steel			
Exterior material	Cold rolled steel plate with melamine resin baking finish			
Heat insulating material	Glass wool			
Heater	Stainless pipe heater			
	4.5kW	5.4kW		6.0kW
Fan type / Motor	Scirocco fan / Condenser type			
Exhaust port	80mm I.D.:1 pc.			
Cable hole	33mm I.D. (left side):1 pc.			
Temp. controller	PID control by microprocessor			
Temp. setting method	Digital setting with UP/DOWN key			
Temp display method	Digital display by green LED and orange LED			
Other display	Operation monitor (Operation condition graphic display by LED patterns)			
Min. division	1 min. to 99 hrs. 59 min			
Operation function	Fixed temperature operation, Auto-start operation, Auto-stop operation, Quick auto-stop, Program operation			
Additional functions	Variable wind velocity function, Calendar timer (max. 24 hrs.), Integration time (max. 65535 hrs.), Time display, Amount of electricity saved / Carbon dioxide emission / Heater operation amount display (Switching display), Power fail recovery mode selection, Store and recall user settings			
Heater circuit control	Triac zero-cross control			
Temp. sensor	K-thermocouple (double sensor)			
Safety countermeasures	Self diagnosis functions(Sensor, Fan, Heater, Triac, Automatic overheating prevention), Independent overheating prevention, Key lock function, Electric leakage breaker, Door switch			
Internal dimensions (W×D×H) (mm)	620×750×900	620×750×1200	620×750×900	620×750×1200
External dimensions (W×D×H) (mm)	770×965×1580	770×965×1880	770×965×1580	770×965×1880
Internal capacity	418L	558L	418L	558L
Withstand load of shelf board	Approx. 30kg/piece			
Shelf rest step number	27 steps	37 steps	27 steps	37 steps
Shelf rest pitch	30 mm			
Power source 50 / 60 Hz	AC220V Single phase	AC220V / 380V Three phase		
Weight	Approx. 175kg	Approx. 190 kg	Approx. 175kg	Approx. 190 kg
Accessories	Shelf plate/Shelf bracket	Stainless steel wire, 2 pcs. / 4 pcs.		

The length of the power cord is about 4 meters outside the unit

*1 Conditions: temperature and humidity : 23°C±5°C, 65%RH±20%, no load, circulating operation (damper fully closed)

*2 Do not include protrusions.

Forced convection
circulation

Auto overheat
prevention

Independent
overheat protector

Self-diagnosis

Key lock

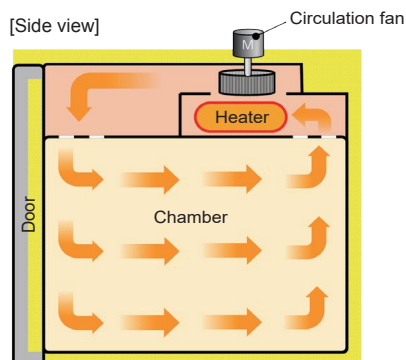
Power outage
compensation

Overcurrent
ELB

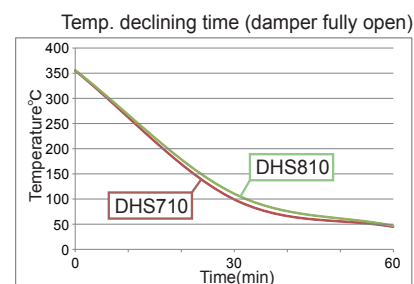
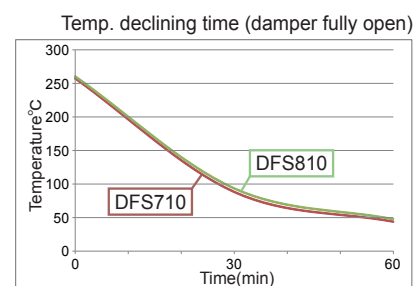
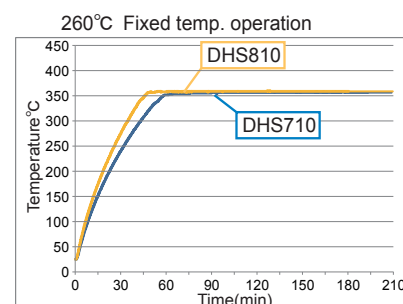
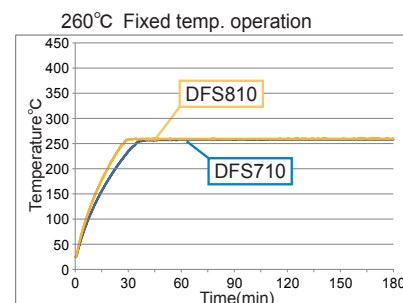
Interior



Method



Performance

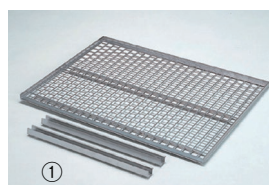


Optional Items

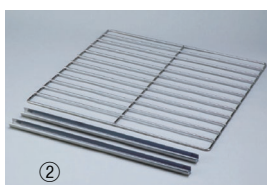
No.	Description	Model No.	Product code
①	Stainless wire shelf (with support 2 pcs., loading up to 30 kg/shelf)	for DFS/DHS Series	211064
②	Stainless punching metal shelf (loading up to 15kg/shelf)	for DFS/DHS Series	211099
③	Stainless mesh basket shelf (loading up to 15 kg/shelf)	for DFS/DHS Series	ODT14 212925
④	*Automatic damper	for DFS/DHS Series	ODH32 212987
⑤	*Exhaust duct (80mm dia)	for DFS/DHS Series	ODH34 212988
⑥	*Emergency stop switch	for DFS710	ODH36 212989
⑦	*Emergency stop switch	for DFS810/DHS710	ODH62 212970
⑧	*Emergency stop switch	for DHS810	ODH64 212971
⑨	*Digital recorder, 6 points, sensors are not included	for DFS/DHS Series	ODH38 212990
⑩	*Power cord (10m./pc) for three phase	for DFS810/DHS710/DHS810	ODH42 212991
⑪	*Power cord (10m./pc) for single phase	for DFS710	ODH58 212992
⑫	*External communication terminal	for DFS/DHS Series	ODH44 212993
⑬	*External communication adapter	for DFS/DHS Series	OIN90 211880
⑭	*Temperature output terminal	for DFS/DHS Series	ODH46 212994
⑮	*External alarm terminal	for DFS/DHS Series	ODH48 212995
⑯	*Time up output terminal	for DFS/DHS Series	ODH52 212996
⑰	*Operation single output terminal	for DFS/DHS Series	ODH54 212997
⑱	*Event output terminal	for DFS/DHS Series	ODH56 212998
⑲	Additional sensor (K thermocouple)	for DFS/DHS Series	ODT48 212946
⑳	Silicon plug (with one hole)	for DFS/DHS Series	ODT52 212947
㉑	Exhaust flange	for DFS/DHS Series	ODF46 281069
㉒	*Cable port, 25mm dia	for DFS/DHS Series	ODH66 212972
㉓	*Cable port, 50mm dia	for DFS/DHS Series	ODH68 212973
㉔	*Cable port, 100mm dia	for DFS/DHS Series	ODH72 212974

*Please specify when ordering main unit.

Shelf / Bracket



①
Stainless punching metal
(Weight tolerance 15kg/pc)



②
Stainless wire
(Weight tolerance 30kg/pc)



③
Stainless mesh basket shelf
(loading up to 15kg/shelf)
(Placed on top of the standard shelves)

Dimensions (Unit:mm)

