

# 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

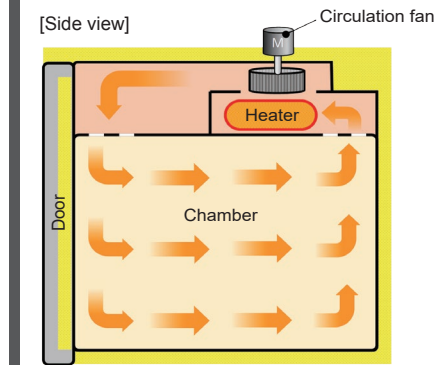
Power outage compensation

Overcurrent ELB

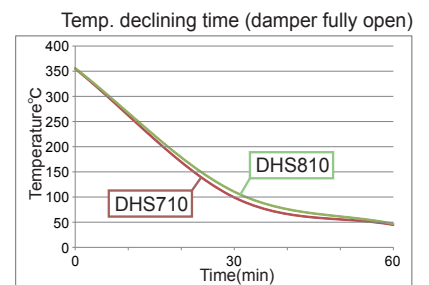
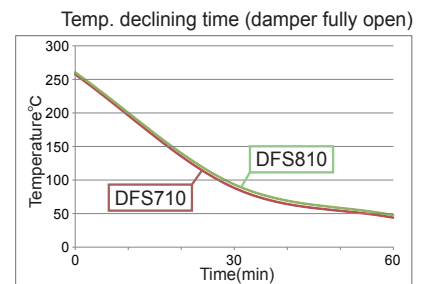
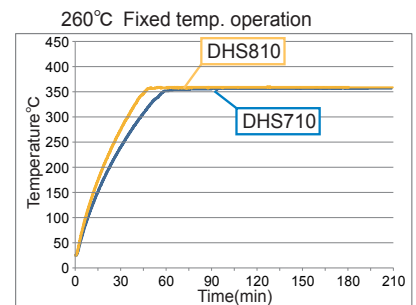
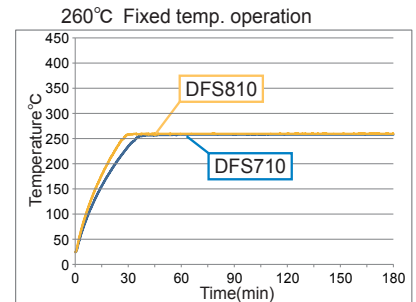
## Interior



## Method



## Performance

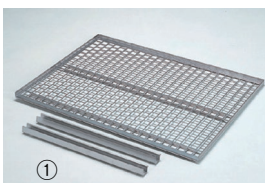


## Optional Items

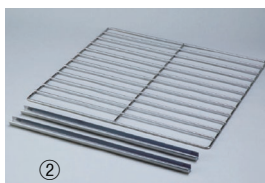
No.	Description	Model No.	Product code
①	Stainless wire shelf (with support 2 pcs., loading up to 30 kg/shelf)	for DFS/DHS Series	211064
②	Stainless punching metal shelf (loading up to 15kg/shelf)	for DFS/DHS Series	211099
③	Stainless mesh basket shelf (loading up to 15 kg/shelf)	for DFS/DHS Series ODT14	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)

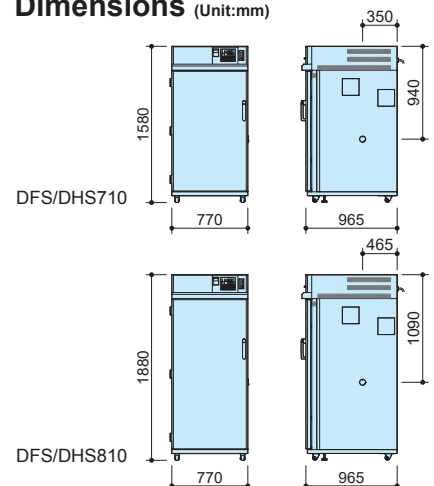


②  
Stainless wire  
(Weight tolerance 30kg/pc)



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

## Dimensions (Unit:mm)



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