

Products for Industry

› Scientific and Industrial equipment › Constant temperature and drying oven

Fine Oven DF412

Item Code : 211780
Model : DF412

[Page Top](#)[Product Summary](#)[Specifications](#)[Optional items](#)[Same series products](#)

DF412

Fine Oven (DF412)

[Contact Us](#)[printing](#)

Product Summary

Highly reliable accuracy oven with simple settings for various temperature characteristics test that require complicated programming.

Features of Fine Oven (DF412)

Features

Simple Operation by Interactive Key Input.

Features

Operation Monitor visualizes Controller Status, Temp and Temp. Changing.

Features

Incorporates with maximum 99 steps, 99 patterns program controller with repeat function.

Features

Loaded with Total Operation Hours Timer.

Features

Exhaust damper allows quick exhaust and cooling of inside.

Features

Accumulated timer function useful for maintenance and management is equipped as standard.

Features

Cable port useful for a monitor for temperature during testing is equipped as standard.

Specifications

Specifications

Item Code	211780
Model	DF412
System	Forced convection and ventilation
Operating temp. range	Room temp. + 15 to 260°C
Temp. control accuracy (JTM K05)	±0.1°C (at 260°C)
Temp. fluctuation (JIS)	±0.5°C (at 260°C)
Temp. distribution accuracy (JTM K05)	±1.5°C (at 260°C)
Temp. gradient (JIS)	±10°C (at 260°C)
Time to attain max. temp.	Approx. 50 min. (to 260°C)
Temp. control system	PID control with a micro computer
Temp. and time setting system	Digital Setting by UP/DOWN Key
Timer display range	Fixed value operation for 1 min. to 99 hr 59 min. and 24hr. setting
Operation and manipulation functions	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
Additional functions	CO2 discharge/Heater operation amount, Power failure recovery mode, User setting information save and recall, Wind velocity changeable function
Sensor	Double K-thermocouple
Heater	Stainless pipe heater with a fan
Nominal heater capacity	2.1kW
Blower fan (motor)	Axial flow fan (capacitor motor)
Cable port	I.D. 33 mm (rear)
Heat insulator	Glass wool
Other additional mechanism	Exhaust damper (manual)
Safety device	Self diagnosis functions(Sensor, Fan, Heater, Relay, Triac, Automatic overheat prevention), Independent overheat prevention, Key lock function, Electric leakage breaker, Door switch
No.of shelf stages/peg pitch	9 stages/45 mm
Accessories Shelf	2 pcs
Accessories Shelf support	4 pcs
Internal dimensions (W×D×H mm)	450×450×450mm
External dimensions (W×D×H mm)	1050×630×850mm

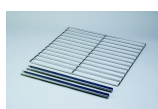
Remarks(dimensions)	91L
Power Source	AC220V 10A Single-phase
Weight	112kg

Maintenance and warranty

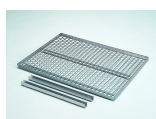
Conditions: temperature and humidity: 23 deg.C+/-5 deg.C, 65%RH+/-20% (no load)

External dimensions do not include protrusions.

Optional items



Stainless wire shelf (ODQ10)



Stainless punching metal shelf (ODQ30)

NO IMAGE

External communication adapter set (OIN90)



Same series products



Fine Oven (DF612)