

Products for Industry

› Scientific and Industrial equipment › Constant temperature and drying oven

Forced Convection Oven (Energy Saving)

DNE401

Item Code : 212818

Model : DNE401

[Page Top](#)

[Product Summary](#)

[Specifications](#)

[Optional items](#)

[Same series products](#)



DNE401、DNE601

Forced Convection Oven (Energy Saving) (DNE401)

[Contact Us](#)

[printing](#)

Product Summary

High-performance, energy-saving, programmable constant temperature, forced convection ovens.

Features of Forced Convection Oven (Energy Saving) (DNE401)

Features

Due to high precision control system, high performance temperature control is realized, and the CO2 discharge, power discharge also displayed at the monitor.

Features

The DNE series represents forced convection constant temperature oven. They achieve an energy-saving rate of 30 to 40% compared to previous models.

Available Various Functions

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

Available Various Functions

Loaded with total operation hours timer.

Available Various Functions

Data acquisition from internal test device is easy because of cable holes.

Specifications

Specifications

Item Code	212818
Model	DNE401
Temp. adjustment accuracy	±0.5°C (at 210°C)
Temp. distribution accuracy	±2.0°C (at 210°C)
Max. temp. reaching time	Approx. 60 min.
Interior/Exterior material	Stainless steel /Electro-galvanized steel sheet with epoxy and melamine resin baking finish
Operation function	Fixed temperature operation, Program operation, Auto start, Auto-stop, Quick automatic stop
Program mode	Program operation; Maximum 32 steps, Repeat function
Additional functions	Timer Function (Actual Timer within 24hrs.), Total operation hours timer (to 65535hrs.), Calendar time (24 hours),
Shelf plate with standard load	Approx. 15kg/piece
Heat insulating material	Glass wool
Heater	Stainless pipe heater
Heater	1.1kW
Fan Type	Scirocco fan
Motor	Condenser type,10W
Cable hole/Air in-take hole	33mm I.D. (the right side) 1pc.
Temp. controller	PID Z control by microprocessor
Temp. setting method	Digital setting by UP/DOWN key
Temp display method	Digital Display by Green LED
Timer/Min.division	0 min. to 99 Hrs. 59 min. /1 min.
Additional functions	Calibration offset, Power discharge, CO2 discharge, Power failure return mode, User configuration information
Heater circuit control	Triac zero-cross control
Safety countermeasures	Self diagnosis functions (Temp. sensor abnormal, Heater disconnection, SSR- short, Main relay abnormal, Automatic overheating prevention),
Safety countermeasures	Key lock function, Independent overheat prevention, Electric leakage breaker with over current protection
Shelf support step number	11 steps
Shelf support pitch	30 mm
Accessories Shelf plate	Stainless steel, 2 pcs.
Accessories Shelf support	4 pcs. (1 pair - 2 pcs. is fixed)
Method	Forced air circulation
Operating temperature range	Room temp. +20 to 210°C
Internal dimensions (W×D×H mm)	450×450×450mm
External dimensions (W×D×H mm)	580×645×860mm


Remarks(dimensions)	90L
Power Source	AC115V 11A Single-phase
Weight	63kg

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

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External communication adapter set (OIN90)

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Additional sensor (sheath sensor) (ODT48)

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Silicon plug (with one hole) (ODT52)

Same series products

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Forced Convection Oven (Energy Saving) (DNE611)

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Forced Convection Oven (Energy Saving) (DNE650)

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Forced Convection Oven (Energy Saving) (DNE650V)