

# Products for Industry

Scientific and Industrial equipment Constant temperature and drying oven

Forced Convection Oven (Airflow Control)

DNF301

Item Code : 212830  
Model : DNF301

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Front View、Stand is option

## Forced Convection Oven (Airflow Control) (DNF301)

Contact Us

printing

### Product Summary

Digital variable wind velocity from 0 - 10 steps. Forced and Natural convection "2 in 1" functioned ovens.

#### Features of Forced Convection Oven (Airflow Control) (DNF301)

Model: DNF301/401/411/601/611

Digital variable wind velocity. Forced and Natural convection "2 in 1" type.

Model: DNF811/911

Digital variable wind velocity. Forced convection type.

Model: DNF811/911

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

Model: DNF811/911

Loaded with Total Operation Hours Timer.

Model: DNF811/911

Exhaust damper enable fast exhaust and cooling of inside.

Model: DNF811/911

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

Specifications

Specifications

Item Code	212830
Model	DNF301
Method	2 in 1 type: Forced and Natural convection, with manual exhaust damper
Heater	0.8kW
Exhaust port	50mm I.D. (Back)×1pc.
Additional functions	Calendar timer (max. 24 Hrs.), Integration time (max. 65535Hrs.), Clock, Calibration off-set, Display the amount of Power consumption / CO2 discharge /
Sensor	K-thermocouple ×2pcs.
Shelf plate with standard load	Approx. 15kg/piece
Forced convection (Wind velocity setting:1-10) Operating temp. range	Room temp. +15 to 260°C
Forced convection (Wind velocity setting:1-10) Temp. control accuracy (JTM K05)	±0.3°C(at 260°C)
Forced convection (Wind velocity setting:1-10) Temp. fluctuation (JIS)	±0.5°C (at 260°C)
Forced convection (Wind velocity setting:1-10) Temp. distribution accuracy (JTM K05)	±2.5°C (at 260°C)
Forced convection (Wind velocity setting:1-10) Temp. gradient (JIS)	5°C (at 260°C)
Forced convection (Wind velocity setting:1-10) Max. temp. reaching time	Approx. 70 min.
Natural convection (Wind velocity setting:0) Operating temp. range	Room temp. +25 to 120°C
Natural convection (Wind velocity setting:0) Temp. control accuracy (JTM K05)	±0.5°C (at 120°C)
Natural convection (Wind velocity setting:0) Temp. fluctuation (JIS)	±1.0°C (at 120°C)
Natural convection (Wind velocity setting:0) Temp. distribution accuracy (JTM K05)	±5°C (at 120°C)
Natural convection (Wind velocity setting:0) Temp. gradient (JIS)	15°C (at 120°C)
Natural convection (Wind velocity setting:0) Max. temp. reaching time	Approx. 20 min.
Interior / Exterior material	Stainless steel / Electro-galvanized steel sheet with epoxy and melamine resin baking finish
Heat insulating material	Glass wool
Cable hole	33mm I.D. (Right)×1pc.
Air in-take hole	33mm I.D. (Right)×1pc.

Temp. controller	PID control by microprocessor
Temp. setting method	Digital setting by UP/DOWN key
Timer display range	Fixed value operation for 1 min. to 99 hr 59 min. and 24hr. setting
Additional functions	Heater operation amount, Power failure recovery mode, User setting information save and recall, Wind velocity changeable function
Safety countermeasures	Self diagnosis functions (Sensor, Fan, Heater, Relay, Triac, Automatic overheat prevention), Independent overheat prevention, Key lock function, Electric leakage breaker, Door switch
Shelf support step number	6 steps
Shelf support pitch	30 mm
Accessories Shelf (Stainless punching metal)	2 pcs.
Accessories Shelf support	4 pcs.
Internal dimensions (W×D×H mm)	300×300×300mm
External dimensions (W×D×H mm)	430×495×740mm
Remarks(dimensions)	27L
Power Source	AC220V 5A Single-phase
Weight	50kg

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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NO IMAGE

External communication adapter set (OIN90)

NO IMAGE

Additional sensor (sheath sensor) (ODT48)

NO IMAGE

Silicon plug (with one hole) (ODT52)

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Same series products

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Forced Convection Oven (Airflow Control) (DNF601)



Forced Convection Oven (Airflow Control) (DNF611)



Forced Convection Oven (Airflow Control) (DNF811)

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