Natural Convection Oven

Economical, Constant Temperature Ovens

DX302/402/602

| Operating temp. range DX302/402 | Room temp. +5°C to 300°C | Room temp. +5°C to 300°C DX602 | Temp. distribution accuracy | ±10°C | Internal capcaity | 28L DX302 | 74L DX402 | 153L DX602 |

Highly practical standard ovens with maximum temperature up to 300°C

Standard type of natural convection constant temperature drying ovens, with extensive features and simple operation.

■ Performance and functions
- Economical and cost saving
- Easy to use and maintain
- Excellent temperature accuracy
- Digital PID controller for easy constant operation with options of fixed setting, Quick auto stop, Auto start / stop operation
- Increased safety and self-diagnostic function
- Calibration off-set function

■ Safety features
- Temp. sensor error, Temp. input circuit error, Auto overheat prevention, Measured temp. error, Circuit breaker with over current protection

28L
DX302

74L
DX402+ONS60(Option)

153L
DX602+ONS60(Option)

■ Specifications

Product Code	212039	212040	212078
Model	**DX302**	**DX402**	**DX602**
Circulation method	Natural gravity convection		
Operating temp. range*1	Room temp. +5°C~300°C		Room temp. +5°C~280°C
Temp. control accuracy*1	±1°C (at 300°C) JTM K05		±1°C (at 280°C) JTM K05
Temp. distribution accuracy*1	±10°C (at 300°C) JTM K05		±10°C (at 280°C) JTM K05
Max. temp. reaching time*1	Approx. 45 min	Approx. 60 min	Approx. 80 min
Interior material	Stainless steel		
Exterior material	Electrolytic galvanized steel sheet, baking finish		
Heat insulating material	Glass wool		
Heater	Iron-chrome wire heater, 0.9 kW	Iron-chrome wire heater, 1.36 kW	
Exhaust port	Rotary dampers with a 20% opening rate at closing		
Temp. controller	PID control by microprocessor		
Temp. setting method	Digital setting by UP/DOWN key		
Temp. display method	Measurement temp. : Digital display by green LED (Resolution : 1°C) Setting temp. : Digital display by red LED (Resolution : 1°C)		
Timer	1 min. to 99 hrs. 59 min. and 100 hrs. to 999 hrs. 50 min. (with timer weighting function)		
Operation function	Fixed temperature operation, Quick auto stop, Auto stop, Auto start		
Additional function	Calibration off-set function, Power failure compensation function, Key lock function		
Heater circuit control	SSR control		
Sensor	K-thermocouple		
Safety device	Self diagnosis functions (Temp. sensor abnormal, Abnormal memory, Input temp. abnormal, Measured temp. abnormal, Automatic overheat prevention), Key lock function, Hydraulic independent overheat prevention device, Electric leakage breaker		
Internal dimensions (W×D×H)	300×310×300mm	450×410×400mm	600×510×500mm
External dimensions*2(W×D×H)	400×440×630mm	550×540×730mm	700×640×830mm
Internal capacity	28L	74L	153L
Shelf plate with standard load	Approx. 15kg / piece		
Shelf rest step number / pitch	6 steps / 35mm	9steps / 35mm	12steps / 35mm
Power source 50/60Hz	AC220V 5A Single phase	AC220V 7A Single phase	
Weight	Approx. 23kg	Approx. 38kg	Approx. 56kg
Shelf	Stainless punching metal (Bottom shelf is screwed) 2 pcs.		
Shelf bracket	4 pcs.		

The length of the power cord is about 2m outside the unit.
*1 Conditions : Temperature and humidity 23°C±5°C, 65%RH±20%, (no load), Power supply voltage : AC100V
*2 Do not include protrusions

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| Natural convetion | Independent overheat protector | Self-diagnosis | Key lock | Power outage compensation | Overcurrent ELB |

Interior

DX602
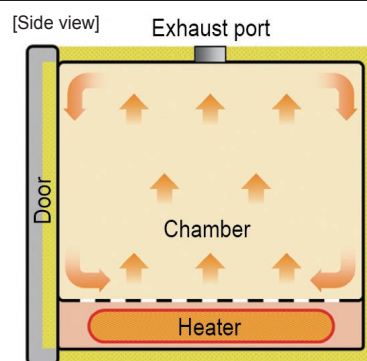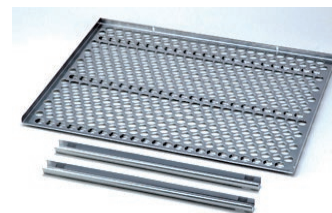
Control Panel

Method

[Side view]

Exhaust port

Door

Chamber

Heater

■ Optional items

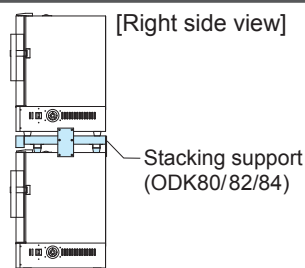| No.	Product name	Product code
①	Stand for DX302 ONS30	212801
②	Stand for DX402/602 ONS60	212802
③	Stacking Support for DX302 ODK80	212803
④	Stacking Support for DX402 ODK82	212804
⑤	Stacking Support for DX602 ODK84	212805
⑥	Stainless punching metal shelf for DX302, 1 pcs. (with shelf bracket 2pcs.)	212068
⑦	Stainless punching metal shelf for DX402, 1 pcs. (with shelf bracket 2pcs.)	212095
⑧	Stainless punching metal shelf for DX602, 1 pcs. (with shelf bracket 2pcs.)	212266
⑨	*Cable port Dia 25mm	281009
⑩	*Cable port Dia 50mm	281010
⑪	Seismic mat	296902

* Please specify when ordering main unit.

Optional Items

Stand

Shelf (Stainless punching metal) & Stacking support

Seismic mat

Stacking support

[Right side view]

Stacking support (ODK80 / 82 / 84)

Dimensional Drawing (mm)

630

400   440

DX302

730

550   540

DX402

830

700   640

DX602