

Forced Convection Temperature Oven

Programmable Forced Air Convection Ovens

DKN302C/312C/402C/412C/602C/612C/812C/912C

**BEST
SELLER**

Operating Temp. Range	Room temp. +10°C~210/250/260°C	Temp. Distribution Accuracy	±2.5°C (at 210°C)	Internal capacity	27L (DKN302C/312C)	90L (DKN402C/412C)	150L (DKN602C/612C)	300L (DKN812C)	535L (DKN912C)
-----------------------	--------------------------------	-----------------------------	-------------------	-------------------	--------------------	--------------------	---------------------	----------------	----------------

Standard "Best Seller" ovens - Fully programmable

Standard forced air convection ovens are programmable and come with extended functions and safety features.

Operation and functions

- Best seller based on excellent performance & affordability
- Superior temperature accuracy
- DKN302C/312C/402C/412C/602C/612C come with observation windows
- Programmable PID controller for easy program settings
- 30-step, 3-pattern program controller with repeat functions
- Fixed setting, programmed, Quick Auto stop, Auto stop, and Auto start operating modes with easy control capabilities
- Increased safety and Self-diagnostic function
- Over-heating prevention and calibration off-set are possible with auxiliary functions
- Easy to use and maintain
- Built in exhaust ports

Safety features

- Self diagnosis functions (Temperature sensor abnormal, Heater disconnection, SSR-short) Automatic overheating prevention, Electric leakage breaker with over current protection, Key lock function



(Stands optional)

Specifications

Model	DKN302C	DKN312C	DKN402C	DKN412C	DKN602C	DKN612C	DKN812C	DKN912C
Circulation method	Forced air circulation							
Operating temp. range	Room temp. +10°C to 260°C			Room temp. +10°C to 250°C			Room temp. +10°C to 210°C	
Temp. adjustment accuracy	±1 °C (at 210 °C)							
Temp. distribution accuracy	±2.5°C (at 210°C)							
Max. temp. reaching time	~90 min.						~60 min.	
Interior/Exterior material	Stainless steel / Cold rolled steel plate with melamine resin baking finish							
Heat insulating material	Glass wool							
Heater	Stainless pipe heater							
	0.8kW		1.2kW		1.5kW		1.5kW x 2	1.8kW x 2
Fan Type / Fan Motor	Scirocco fan, Condenser type motor 10W						1pc / 30W	2pc / 10W
Cable hole	30mm I.D. (on the right side) 1pc.							
Exhaust port	30mm I.D. x 2 (on top)						30mm I.D.x2 (the back)	
Observation window	180x180mm Chemical strengthening glass x 3		250 x 280mm Chemical strengthening glass x 3				None	
Temp. controller	3 patterns program controller, PID control by microprocessor							
Temp. setting method	Digital setting by UP/DOWN key							
Temp. display	Measurement temp. : Digital display by green LED Setting temp. : Digital display by red LED							
Timer	1 min. to 99 Hrs. 59 min. and 100 Hrs. to 999 Hrs. 50 min. with timer wait function							
Operation function	Fixed temperature operation, Program operation, Auto start, Quick Auto-stop							
Program mode	Program operation : 3 patterns, 30 steps(30 stepsx1, 15 stepsx2, 10 stepsx3) Pattern repeat function							
Additional functions	Calibration off-set function, Key lock, Uninterruptible power for memory							
Heater circuit control	SSR control							
Sensor	K-thermocouple							
Safety device	Self diagnosis functions (temp. sensor abnormal, Heater disconnection, SSR- short, Automatic overheating prevention), Key lock function, Overheat prevention, Electric leakage breaker with over current protection							
Internal dimensions (WxDxHmm)	300x300x300		450x450x450		600x500x500		600x500x1000	1070x500x1000
External dimensions(WxDxHmm)	410x451x670		560x601x820		710x651x870		710x651x1608	1180x651x1616
Internal capacity	27L		90L		150L		300L	535L
Shelf plate with standard load	~15kg/piece							
Shelf rest step number / Shelf rest pitch	9 steps / 30mm		11 steps / 30mm		13 steps / 30mm		29 steps / 30mm	29 steps x 2 / 30mm
Power source 50/60Hz	115V, 7.5A	220V, 4.5A	115V, 11A	220V, 6.5A	115V, 12.5A	220V, 7A	220V, 15A	220V, 18A
Weight	~35kg		~50KG		~65kg		~110kg	~190kg
Shelf plate	Stainless steel, 1pc on the bottom screwed (DKN912C, 2 pcs)							
Shelf plate / bracket	2 pcs. / 4 pcs.						4 pcs. / 8 pcs.	8 pcs. / 16 pcs.



Control Panel



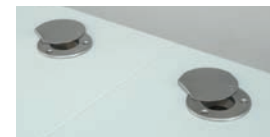
Interior



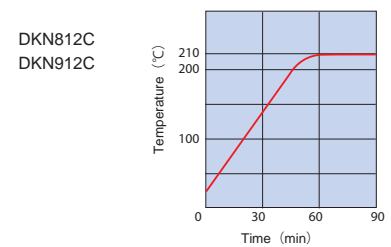
Cable Port (Standard)



Exhaust port (Standard)



Temp. Rising Curve

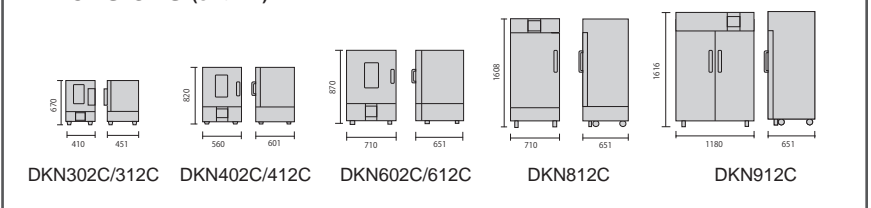


Optional Items

Product name	Product code
ON30 Stand for DKN302C/312C	211180
OT61 Stand for DKN402C/412C/602C/612C	211856
Stacking support OD40 for DKN402C/412C	212822
OD60 for DKN602C/612C	212823
Shelf (with support 2 pcs) for DKN302C/312C	212068
for DKN402C/412C	212246
for DKN602C/612C/812C	212266
for DKN912C	212490
*Cable port 25mm dia	281121
50mm dia	281122
*Temperature output terminal (4-20 mA)	281123
*External alarm terminal/ time-up output terminal (to choose either)	281124
*External communication function (RS485)	281125
*External communication adapter (changeable to RS232C)	281126
Anti-vibration material with support EPM-08	851352
Anti-vibration material without support EPM-05	851351
Seismic mat for DKN302C/402C/602C series	296902

* Please specify when ordering main unit.

Dimensions (Unit:mm)



● Never use in flammable or explosive gas atmosphere.
● Never use explosive or flammable material.

● Caution: High temperature components.