

# Forced Convection Oven

Programmable Forced Air Convection Ovens

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

**BEST  
SELLER**

Operating temp. range	RT+10°C~260°C DKN300-600 Series	RT+10°C~260°C DKN912C	Temp. distribution accuracy	±2.5°C (at 210°C)	Internal capacity	27L (DKN302C/312C)	90L (DKN402C/412C)	150L (DKN602C/612C)	300L (DKN812C)	535L (DKN912C)
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## Standard "Bestseller" ovens - Fully programmable

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

### Operation and functions

- Bestseller 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

### 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							RT +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	Sirocco 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. x 2 (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 steps×1, 15 steps×2, 10 steps×3) 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 (W×D×Hmm)	300×300×300		450×450×450		600×500×500		600×500×1000	1070×500×1000	
External dimensions(W×D×Hmm)	410×451×670		560×601×820		710×651×870		710×651×1608	1180×651×1616	
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.



(Stands optional)