

Yamato Mechanical Convection Ovens - Call 800-574-2748 For Quotes

	DKN402C/412C	DKN602C/612C	DKN812C	DKN912C
Performance				
Circulation method	Forced circulation			
Operating temperature range	Room temp.+10 to 260°C			Room temp.+10 to 210°C
Temp. control accuracy	±1.0°C (at 210°C)			
Temp. uniformity	±2.8°C (at 260°C)		±2.5°C (at 210°C)	
Max. temp. reaching time	Approx. 80 min.			Approx. 60 min.
Components				
Interior material	Type 304 Stainless steel			
Exterior material	Cold rolled steel plate with melamine resin baking finish			
Heat insulating material	Rock wool		Glass wool	
Heater	SUS 316 pipe heater			
Fan type	1.2 kW	1.5 kW	1.5 kW×2	1.8 kW×2
	Scirocco fan			
Motor, Condenser type	10 W		30 W	10 W×2
Exhaust port	1.2" I.D.×2 pcs. (top)		1.2" I.D.×2 pcs. (back)	
Observation window	9.8" x 11"		NA	
Controller				
Temp. controller	3 patterns program controller, PID control by microprocessor			
Temp. setting method	Digital setting with ▲ ▼ key			
Temp display method	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.			
Operation function Program mode	Fixed temperature operation, Program operation, Auto start, Quick Auto-stop, Program operation : 3 pattern, 30 steps (30 steps×1, 15 steps×2, 10 steps×3) Pattern repeat function			
Additional functions	Calibration off-set, key-lock, power failure compensation			
Heater circuit control	SSR control			
Sensor	K-thermocouple			
Safe Device				
Safety countermeasures	Failure of sensor, heater SSR, memory, internal communication, temperature inputting circuit, automatic overheating prevention device, overheating prevention device, measurement temperature, circuit breaker, overheat prevention device			
Standard				
Internal dimensions (W×D×H in)	17.7" × 17.7" × 17.7"	23.6" × 19.7" × 19.7"	23.6" × 19.7" × 39.4"	42.1" × 19.7" × 39.4"
External dimensions (W×D×H in)	22" × 23.7" × 32.3"	28" × 25.6" × 34.3"	28" × 25.6" × 63.3"	46.5" × 25.6" × 63.6"
Internal capacity	3.2 cu ft	5.3 cu ft	10.6 cu ft	18.9 cu ft
Shelf plate with standard load	Approx. 33.1 lbs/piece			
Shelf rest step number	9 steps	12 steps	29 steps	29 steps×2
Shelf rest pitch	1.2"			
Power source 50/60Hz	DKN-402C: 115V single phase,	DKN-602C: 115V single phase,	220V single phase,	220V single phase,

	11A	12.5A	15A	18A
	DKN-412C: 220V, 6.5A	DKN-612C: 220V, 7A		
Weight	Approx. 110 lbs	Approx. 143 lbs	Approx. 243 lbs	Approx. 419 lbs
Accessories				
Shelf plate	Stainless steel, 2 pcs.		Stainless steel, 4 pcs.	Stainless steel, 8 pcs.
Shelf bracket	4 pcs.		8 pcs.	16 pcs.
Optional Accessories				
	Stand / Fitting for stacking / Additional shelf plate / Cable hole (1"/2") / External communication terminal / Temp. output terminal (4 to 20mA) / Time up out-put terminal / Out-put terminal for alarm device / Electric leakage breaker etc.			