

SINCE 1889



Forced Convection Oven

DKM301/401/601

NEW

Standard oven with easy-to-operate



DKM301

[Key Specifications]

Temperature range: Room temp. +10°C ~ 260°C
Dimensions: W410xD450xH570mm
Weight: approx. 32kg Internal capacity: 27L

DKM401

[Key Specifications]

Temperature range: Room temp. +10°C ~ 260°C
Dimensions: W560xD600xH820mm
Weight: approx. 53kg Internal capacity: 90L

DKM601

[Key Specifications]

Temperature range: Room temp. +10°C ~ 260°C
Dimensions: W710xD650xH870mm
Weight: approx. 68kg Internal capacity: 150L

Interior

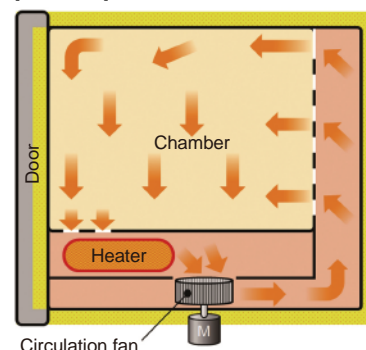


Control Panel



Method: Forced convection

[Side view]



Yamato Scientific Co., Ltd.

Specifications

Model	DKM301	DKM401	DKM601	
Product code	213001	213002	213003	
Method	Forced convection			
Ambient operating temp. range	5 ~ 35°C			
Performance	Operating temp. range	Room temp.+10 ~ 260		
	Temp. fluctuation *1	±0.8°C (at 260°C)	±0.6°C (at 260°C)	±0.9°C (at 260°C)
	Temp. gradient *1	9°C (at 260°C)	10°C (at 260°C)	11°C (at 260°C)
	Temp. rise speed (reference) *1	4.4°C/min	3.2°C/min	2.4°C/min
	Temp. rise time (Room temp. ~ 260°C)	Approx. 50 min.	Approx. 70 min.	Approx. 90 min.
Configuration	Exterior	Chrome-free electrogalvanized steel sheet, baked coating		
	Interior	Stainless steel plate		
	SUS pipe heater	0.8kW	1.2kW	1.34kW
	Cable hole	Inner diameter 33mm (1 hole on right side)		
	Exhaust port	Inner diameter 33mm (2 ports on top)		
Safety function	Self-diagnostic function (automatic overheat prevention, temperature sensor error, memory error, measured temperature error) Independent overheat protector / Set value lock function / overcurrent leakage breaker			
Controller	Temperature control method	PID control		
	Timer	1 min. ~ 99hr 59min. and 100 ~ 999hr 50min. (with timer wait function)		
	Operation functions	Fix temp. operation / Quick auto stop operation / Auto stop operation / Auto start operation		
	Additional functions	Calibration offset function / Set value lock function / Power failure return mode selection function		
	Sensor	Temperature controller: K thermocouple	Independent overheat protection: Liquid expansion overheat protector	
Standard	External dimensions	W410xD450xH670mm	W560xD600xH820mm	W710xD650xH870mm
	Internal dimensions	W300xD300xH300mm	W450xD450xH450mm	W600xD500xH500mm
	Internal capacity	27L	90L	150L
	Number of shelves/pitch	6 steps/30mm	11 steps/30mm	13 steps/30mm
	Shelf load capacity	15kg/piece Total load capacity 30kg		
	Power supply (50/60Hz) Rated current	AC220V 4A, Single phase	AC220V 6A, Single phase	AC220V 7A, Single phase
	Breaker capacity	15A		
	Weight	Approx. 32kg	Approx. 53kg	Approx. 68kg
Accessories	1 shelf (SUS perforated metal), 2 shelf brackets (1 set) (the bottom shelf is already fixed in the chamber), Instruction manual			

*1 Measurement standard JIS C 60068-3-5: 2020

Optional Items

Product name	Model	Product code	Supported models DKM		
			301	401	601
Stand (W550xD550xH610mm)*2	OA115	281353	-	-	-
Stand (W740xD660xH600mm)*2	OA116	281354	-	-	-
Stand (W560xD610xH611mm)	OA117	281355	-	-	-
Stand (W710xD660xH611mm)	OA118	281356	-	-	-
Stacking support	OA119	281357	-	-	-
Stacking support	OA120	281358	-	-	-
Shelf (type 300)	-	212068	-	-	-
Shelf (type 400)	-	212246	-	-	-
Shelf (type 600)	-	212266	-	-	-
Cable port (25)*3	ODK32	281121			
Cable port (50)*3	ODK34	281122			
Seismic mat	-	296902			
Sheath sensor (K thermocouple)	ODT48	212946			
Silicone stopper (2mm dia. with 1 hole)	ODT52	212947			

*2 Height can be adjusted by adjuster *3 Please specify when ordering the main unit.



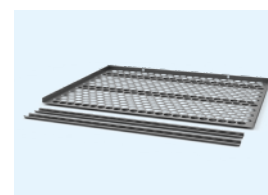
Stacking support, OA119/120



Stand, OA117/118



Stand, OA115 (116 has 4 pillars)



Shelf



Caution The specifications and performance figures of the products listed in this catalog are presented as a user guide under general operating conditions. When using the product, please understand the contents of the instruction manual and use the product correctly. Please note that we cannot be held responsible for any damage to persons or property caused by using the product outside the conditions of use described in the instruction manual.

SINCE 1889



For the development of scientific technologies

Yamato Scientific Co., Ltd.

www.yamato-scientific.com

Yamato Scientific Co., Ltd.

International Sales Department :

Harumi Island Triton Square Office Tower Y, 36F

1-8-11 Harumi, Chuo-ku, Tokyo 104-0053, Japan

TEL: +81-3-5548-7122 FAX: +81-3-5548-0132

<Customer Service/Technical Support> english-website@yamato-net.co.jp