



High Accuracy / Fine Oven

With High Accuracy Temperature Control & Exhaust Damper

For Information and to Order
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Yamato Oven Models DF832 DF1032 DH832 DH1032

Operating temp. range

Room temp. +15°C~200°C(DF) /
Room temp. +15°C~300°C(DH)

Temperature slope

15°C(at 200°C)(DF) / 20°C(at 300°C)(DH)

Internal capacity

18 CuFt Model 832 / 35.3 CuFt Model 1032

Yamato Large fine oven designed to support high throughput

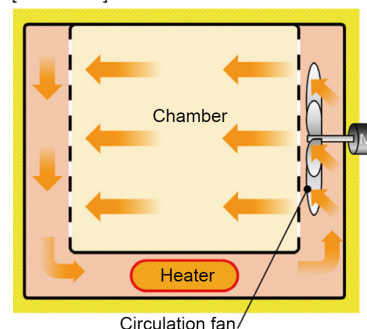


35.3 CuFt
DH1032

- Allows precision maintenance of large parts at a constant temperature
- Quick exhaust and cooling in the unit with the exhaust damper
- Interactive key entry on the control panel with a green LED digital display for easy settings
- Features power consumption/CO₂ emissions monitoring
- Increased safety and self diagnostic functions



[Front view]



Yamato Industrial Oven Specs:

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Yamato Oven Models	Yamato Oven Model DF832	Yamato Oven Model DF1032	Yamato Oven Model DH832	Yamato Oven Model DH1032
System	Forced air circulation and ventilation			
Operating temp. range	Room temp. +15°C~200°C		Room temp. +15°C~300°C	
Temperature fluctuation	±0.5°C (at 200°C)		±1.0°C (at 300°C)	
Temperature slope	15°C (at 200°C)		20°C (at 300°C)	
Temperature controller	PID Z control			
Temp setting method	Digital setting with ▲/▼ keys			
Timer	0 min~99 hrs 59 min (Resolution: 1 minute or 1 hour)			
Operation function	Fixed temperature operation, Program operation (Maximum 99 steps, up to 99 patterns, repeat operation function) Duration/time select timer operation function (Fixed temperature operation, auto start/auto stop/quick auto stop, program operation auto start)			
Additional functions	Accumulated Power on and Operation Time (up to 65,535 hours); Calendar Time (24 hours); Calibration Offset; Monitor Display of Accumulated Power Consumption, Total CO ₂ Emission, and Heater operating Output; Power Recovery Mode; User Settings Save and Restore Function; Fan Speed Setting Function			
Sensor	K-thermocouple (double sensor)			
Heater	Stainless steel pipe heater with a fan			
	4.5kW	6.0kW	6.9kW	9.0kW
Fan motor	Stainless steel axial flow fan (capacitor motor: 20W), Two motors used for model1032			
Cable port	I.D. 1.2" (rear)			
Heat insulator	Glass wool		Glass wool + ceramic fiber	
Other additional structure	Exhaust damper (manual operation)			
Safety device	Self-diagnostic functions (temp. sensor error, heater disconnection, SSR short-circuit, automatic overheat prevention), Door switch, Fan Failure Detection, key lock, independent overheat protection, electric leakage breaker with over current protection			
Power supply (50/60 Hz)	3 phase AC220V 13.5A no plug, round terminal	3 phase AC220V 17A no plug, round terminal	3 phase AC220V 20A no plug, round terminal	3 phase AC220V 28A no plug, round terminal
Internal dimensions (W x D x H)	31.5" X 31.5" X 31.5"	39.4" X 39.4" X 39.4"	31.5" X 31.5" X 31.5"	39.4" X 39.4" X 39.4"
External dimensions (W x D x H)	59" X 40" X 52.4"	67" X 47.8" X 60.2"	59" X 40" X 52.4"	67" X 47.8" X 60.2"
Internal capacity	18 Cubic Ft.	35.3 Cubic Ft.	18 Cubic Ft.	35.3 Cubic Ft.
Weight	772 Lbs	992 Lbs	772 Lbs	992 Lbs
Shelf / bracket	3 pcs. / 6 pcs.			

⚠ Attention

- Never use in flammable or explosive gas atmosphere.
- Never use explosive or flammable material.
- Caution: High temperature components.

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