



Neware Technology Limited

22C, YHC Tower, No.1 Sheung Yuet Road, Kowloon Bay, HongKong

Neware high and low Temperature test chamber



Basic information

Model: MGDW-408-20

Internal volume: 408L

Internal dimension: 800*600*850mm

Cabinet dimension:W1350 mm*D1150 mm*H1850 mm

Default shelf Layers: 2

Max. Weight bearing of each layer: 15kgs

External material: Stainless steel or Steel with electrostatic coating

Internal material: Stainless steel SUS304

Weight: about 420kg

Performance

Temperature range(3 options): -20 °C ~ 150°C / -40°C ~ 150°C / -70°C ~ 150°C



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Temperature fluctuation: $\leq 1^{\circ}\text{C}$

Temperature bias: $\pm 2^{\circ}\text{C}$

Time of temperature rising from $-20^{\circ}\text{C} \sim 150^{\circ}\text{C}$: $\leq 60\text{mins}$ / $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$: $\leq 60\text{mins}$ / $-70 \sim 100^{\circ}\text{C}$: $\leq 60\text{mins}$

Time of temperature descending from 20°C to -20°C : $\leq 45\text{mins}$ / from 20°C to -40°C : $\leq 60\text{mins}$ / from 20°C to -70°C : $\leq 75\text{mins}$

Lower temperature information

Refrigeration: Mechanical compression single stage refrigeration

Refrigerant: R404A (Zero ozone depletion ratio)

Compressor: France TAG

Main refrigeration parts: Expansion Valve, pressure control valve, dry filter, refrigeration electromagnetic valve, liquid reservoir, oil Separator, etc.

Working requirements

Working temperature for chamber: $5^{\circ}\text{C} - 30^{\circ}\text{C}$

Working humidity for chamber: $\leq 85\text{RH}$

Working atmospheric pressure for chamber: $80\text{kPa} - 106\text{kPa}$

Other information

Heat insulation material: Polyurethane and glass wool (100mm thickness)

Door insulation material: Glass wool

Watch window size: 330×450 mm, with electric demister

Circulation fan: Centrifugal fan

Heater: Nichrome alloy electric heater

Controller: Touch screen controller, Ethernet communication (RJ45) and RS485 supported

Protection features: Over voltage, Electric leaking, Short-circuited, Boil-dry protection, Fusing protection, etc.

Size of lead (cable) port (ϕ): 100mm

Cable ports: 4 (2 on each side)

Accessories: Shelf (tray), power cord (2 meter)

Wheels/Casters: 4 adjustable casters

Power supply

Power: 11.5kW

Power supply: AC $380 \pm 10\%$ three phase five wires (L1+L2+L3+N+E)

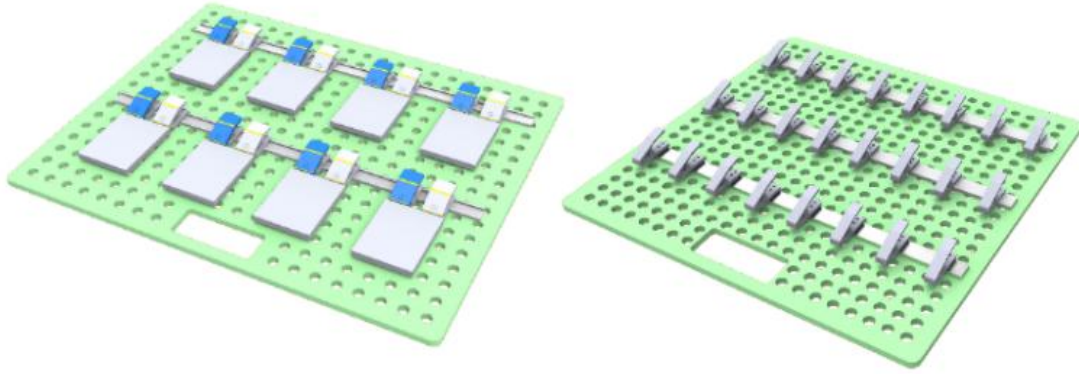
Max. Current requirement: 23A

Trays and fixture (fixture/clamps need to place order to purchase)



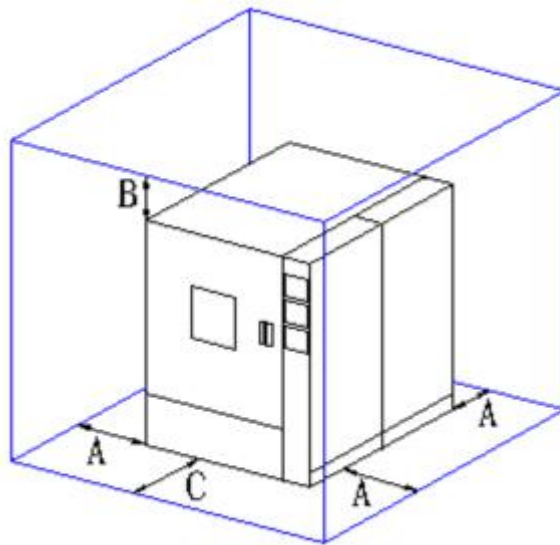
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Installation requirement

Room/space: please refer to the picture below.



$A \geq 60\text{cm}$
 $B \geq 60\text{cm}$
 $C \geq 120\text{cm}$