

Fine Oven

High temperature 500°C, with exhaust damper

DH650Z



Operating temp. range

Room temp. +10°C~500°C

Temp. adjustment accuracy

±0.5°C (at 500°C)

Internal capacity

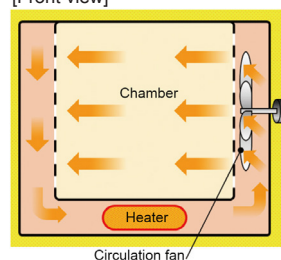
216L



216L
DH650Z

- Maximum working temperature at 500°C
- Allows quick exhaust and cooling with the exhaust damper inside the chamber
- Equipped with a variety of operation functions such as an easy-to-use program operation function, power consumption, power charge display and history storage
- Operation function includes fixed temp., program, quick auto stop, auto stop and auto start operations
- Equipped with a four-fold overheating prevention device (automatic overheating, heater chamber overheating, tank overheating, and temp. fuse) to ensure complete safety

[Front view]



Forced Horizontal Air Circulation

It circulates air evenly throughout the chamber, making it ideal for constant temperature tests that require excellent temperature performance.

Specifications

Model	DH650Z
System	Forced convection circulation (with exhaust damper)
Operating temp. range	Room temp. +10°C~500°C
Temp. adjustment accuracy*1	±0.5°C (at 500°C)
Temp. distribution accuracy*1	±5.0°C (at 500°C)
Max. temp. reaching time*1	~60 min.
Temperature controller	PID Z control
Temperature setting	Digital setting with ▲/▼ keys / digital display
Temperature display	Internal temp. display: Green 4-digit LED digital display (Resolution:1°C) Set temp. display: Orange 5-digit LED display (Resolution:1°C)
Damper control	Manual operation for circulation / ventilation
Sensor	K-thermocouple
Heater control	SSR-controlled
Safety functions	Self-diagnosis function (temperature sensor abnormality, heater disconnection, SSR short circuit, Automatic overheating prevention (controller built-in), fan abnormality), temperature fuse, door switch
Additional functions	Accumulation function for power-on/operation time (up to 65535 hours), Calibration offset function, Monitor display of power consumption, CO2 emissions, heater output operation amount, Power failure recovery mode selection, user setting information storage and retrieval
Heat insulator	Ceramic fiber, rock wool, heat insulation block
Heater	Wire heater: 1.3 kW × 6
Fan motor	20W (capacitor)
Exhaust port	ø80mm (rear)
Number of shelf stages	9 stages
Shelf pitch	60 mm
Withhold load of shelf	30 kg/shelf
Power supply (50/60 Hz)	3 phase AC220V 26A <i>no plug, round terminal</i>
Internal dimensions (W x D x H)	600 x 600 x 600 mm
External dimensions (W x D x H) *2	1350 x 950 x 1300 mm
Internal capacity	216L
Weight	~250kg
Shelf / bracket	3 pcs. / 6 pcs.

*1 Values at rated voltage 3 phase AC220V, room temperature 23°C no load, exhaust damper and cable hole fully closed.

*2 Protrusions excluded.

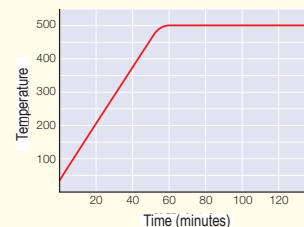
Optional Items

Description	Product code
Shelf and bracket set	211064
Cable port	
25 mm Ø	281508
50 mm Ø	281509

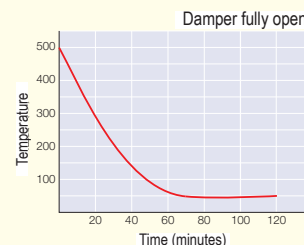


211064
Shelf & bracket set

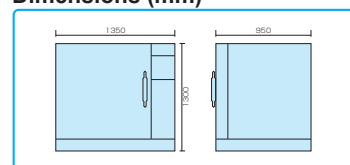
Temperature Rise Curve



Temperature Fall Curve



Dimensions (mm)



Attention

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