

Low-temp. Incubators | Air Jacket Type

IL612C/812C

Natural Convection

Automatic Overheating Preventer

Overheating Preventer

Self-diagnostic Function

Power Failure Compensation Function

Overcurrent Leakage Circuit Breaker

Operating temp. range 0~60°C

Temp. distribution accuracy ±1.0°C (at 37°C)

Internal capacity 159L 300L

Multi-functional, low-temperature incubator with air jacket.

Features

- Using environmentally friendly refrigerant R134A.
- Achieved high-precision control and uniform temperature distribution accuracy within the chamber through air jacket heat transfer and computer PID control.
- Include a controller with an independent overheat prevention circuit, achieving a variety of functions centered on constant value operation, automatic stop operation, automatic start operation, defrost function, RS485 communication function, temperature output terminal (4~20mA), and alarm output terminal. (IL612C)
- Equipped with an electronic independent overheat prevention device, featuring program operation up to 99 segments, constant value operation, automatic stop operation, automatic start operation, CR5 type controller with RS485 communication function, temperature output terminal (1~5V), and alarm output terminal. (IL812C)
- Remote operation can be achieved by using an optional communication cable to separate the control panel from the main body.

Safety

- Equipped with safety functions such as self-diagnosis function, refrigerator thermal overload protector, refrigerator delay start protection function, overcurrent leakage protection switch, key lock, etc.



Specifications

Model		IL612C	IL812C
System		Conduction, radiation	
Performance	Operating temp. range	0~60°C	
	GB standard	Temp. fluctuation	±0.3°C (at 37°C)
		Temp. uniformity	±1.0°C (at 37°C)
	JTM standard	Temp. adjusting accuracy	±0.3°C (at 37°C)
Temp. distribution accuracy		±1.0°C (at 37°C)	
Composition	Inner door	Tempered glass 5mm	
	Insulating material	Polyurethane foam	
	Refrigerator/refrigerant	300W/R134A	350W/R134A
	Defrost structure	Manual defrost/cycle defrost	
	Heater	Nickel-chromium alloy heating wire, 800W	Nickel-chromium alloy heating wire, 850W
	Sensors	Double sensor cable, platinum resistance thermometer PT100 (for temperature control) + K-type thermocouple (for overheat prevention)	
	Overheat preventer	Electronic integrated control type	Electronic independent type
	Door lock	1 pcs	
	Cable port	Internal diameter 50mm (right side of the body)	
	Temp. regulator	VS6P	CR5 PID control
Operation	Constant value, timed	Constant value, timed, up to 99 segments program	
Safety device		Self-diagnosis function, overcurrent leakage circuit breaker, refrigerator overload relay, refrigerator protection delay timer function, overheat prevention device (IL612C), independent overheat prevention device (IL812C)	
Specifications	Internal dimensions (W×D×H mm)	600×530×500	600×530×1000
	External dimensions (W×D×H mm)	710×645×1008	710×645×1600
	Internal capacity	159L	300L
	Shelf load	15kg/layer	
	Shelf layers/shelf support spacing	12 layers/30mm	24 layers/30mm
	Power supply (50/60Hz) rated current	AC220V 6.5A	AC220V 7A
Weight	Approx. 90kg	Approx. 150kg	
Accessories	Shelf	Stainless punching mesh plate	
	Supports	3 pcs	5 pcs
	Door key	6 pcs	10 pcs
Options	Stand	2 pcs	—
	Others	ON61C Shelf plate (1 shelf plate with 2 shelf supports), cable port (30/50mm), data logger, combination warning lights (standby/running/fault), viewing window, external communication function (RS485), temperature output terminals (4~20mA), external alarm output terminals, time-up output terminals	

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