2~8°C

Biomedical Refrigerator

(Air Cooling System)

Model: MPC-5V656

(Version: 2024-5)

PIOWAY

Applications

2~8°C biomedical refrigerators are specially designed to store medicines, vaccines, reagents and bio-medical products.

Features

■ Microprocessor control, ensure the inside temperature is within 2~8°C, accuracy is 0.1°C

■ Suggested ambient temperature: +10~32°C.

■ Specially designed forced-air cooling system, ensures frost-free cabinet and good temperature uniformity.

■ Double toughened glass door with heater, available for high humidity area.

■ Wide available voltage range: 187V~242V.

Security

■ Safety door lock and controller password to prevent unauthorized access.

■ 8h built-in backup battery to power the controller and save temp. data when power failure or system error.

■ Visual and audible alarm system.

■ Power failure protection: turn-on delay of the cooling system after power failure.

■ Controller error protection: the cooling system will remember the normal working cycle and keep working depending on this memory when the controller or two sensors failed.

Humanized design

■ Special designed service-free drainage system, ensure no water in the cabinet.

■ 10 adjustable shelves for easy storage.

■ Casters with stoppers for easy moving and fixation.

■ Auto on/off LED light with manual switch on the control panel.

■ Auto on/off cooling fan to prevent cold air from leaking out when the door is opening.

Door Handle

Caster with Stopper

Specifications

Model NO.	MPC-5V656
Main Specifications	
Temperature Range	2 ~ 8 °C
Ambient Temperature	10~32℃
Capacity (L/Cu. Ft.)	656 / 23.17
Interior Dimensions (W×D×H) mm	1100×454×1325
Exterior Dimensions (W×D×H) mm	1220×630×1885
Weight	166 kgs
Noise	52 dB
Control and Power	
Controller	Microprocessor
Display	Digital
Sensor	NTC
Voltage and Frequency	187~242V, 50/60Hz
Power	403 W
Electric Current	2.39 A
Power Consumption (kWh/24h)	5.8
Audible and Visual Alarms	
High / Low Temp. Alarm	Yes
Power Failure Alarm	Yes, 8h
Sensor Error Alarm	Yes
Controller Error Alarm	Yes
Door Ajar Alarm	Yes
Refrigeration	
Refrigeration Type	Forced-air Cooling
Defrost	Auto
Compressor (Brand/pcs)	Chinese Brand / 1
Refrigerant / Weight (kgs)	R290 / 84g
Cabinet	
Door (pcs)	Self-closing Heating Glass Door / 2
Fixed / Adjustable Shelf (pcs)	0 / 10
Interior Cabinet Material	Coated Steel
Exterior Cabinet Material	Coated Steel
Insulation Material	PURF (δ60mm)
Door Lock	Yes
LED Lamp	Yes
Test Hole (pcs)	Φ25mm / 1
Fixed / Levelling Castors (pcs)	4 / 0
Fixed / Levelling Feet (pcs)	0 / 2
Accessories	
Voltage Stabilizer	Optional
USB Data Download Port	Optional
Remote Alarm Port	Optional
RS232 / RS485 Port	Optional
Temperature Datalogger	Optional
Temperature Printer	Optional
Temperature Chart Recorder	Optional
Shipping	
Package	Carton box with pallet
Shipping Weight	184 kgs
Shipping Size (W×D×H)	1280×670×1950
Shipping Volume	1.67 CBM