



MC-5L416



Inverter Compressor



Super & Even Cooling

90Mins Rapid Cooling(32°C→6°C)&≤2°C Uniformity.

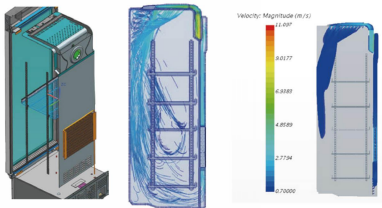
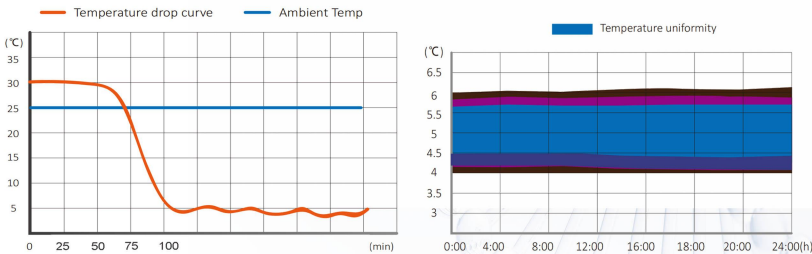


Eco-Efficient Cooling

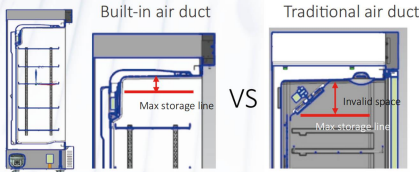
R600a (HC)refrigerant:Near-zero GWP
Energy consumption: ≤2kWh/24h

■ Top Cooling System

■ Typical Performance Characteristics at 25 °C Ambient



■ Built-in Air Duct

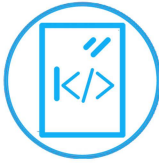


■ Dual Display

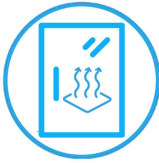


Multiple Alarm

Multi-tier alerts (audible/visual/remote) with power/sensor/door/high/low temp ./battery monitoring



Self-closing Door



Electrically Heated Glass Door

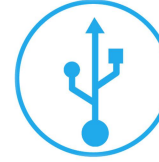


Forced-Air Cooling

No Frost



Opt:304 Stainless Steel



Std: USB | Opt: RS485

Application, Rating, & Electrical Data

Application	Pharmacy refrigerator
Storage Volume (L/Cu.Ft)	416/14.7
Temperature Range	+2°C to +8°C
Default Set Point	+5°C
Power Supply	115~V/60Hz 220-240~/50Hz/60Hz
Current	3A 1.7A
Power Cord Length	1.7m
Certification	CE/UL
Door type	Electrically Heated Glass Door(Solid door optional)
Application Environment	Non-corrosive, non-flammable, non-explosive
Ambient Operating Temperature	+16°C to +32°C

Refrigeration

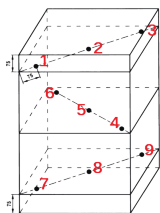
Refrigeration System	Forced-air/hydrocarbon Refrigerant
Compressor	Inverter
Condenser Type	Air-cooled
Expansion Device	Cap tube
Evaporator Type	Fin and tube
Defrost Method	Automatic
Refrigerant	R600a

Controller / Configuration Settings

Display screen	LED
Controller Type	Microprocessor
Security	Lockable door, password protected settings
Control Sensor	NTC,stainless steel
Communication Ports	USB, remote alarm contacts
Power Failure Alarm	Yes
High/Low Alarms	Yes, fully adjustable
Door Ajar Alarm	Yes, fully adjustable
Min/Max Temperature	Yes, display and reset
Download	Yes, via USB. PDF
Temperature Log	Yes, download via USB
Temperature Monitoring Ballast	Yes
Battery Back-up	Yes, 16 hr display and alarm back-up Rechargeable 12V, lead acid

Dimensions

Interior ((w*d*h)	595x514x1343 mm
Exterior ((w*d*h)	690x653x1920 mm
Access Port	Access port- for external monitoring probe(s) (25 mm diameter)
Shelves	5 35 kg max capacity/shelf
Wheels	4 Swivel Casters & 2 Leveling Feet
Net Weight	88 kg
Gross Weight	97 kg



Location of test probes

Typical Temperature Map

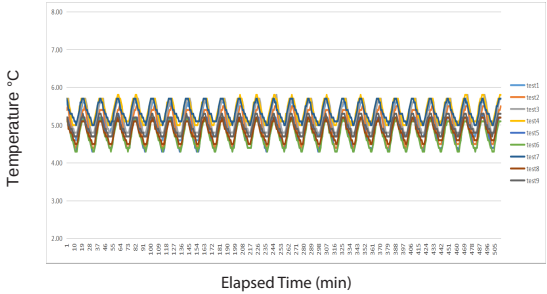
	test1	test2	test3	test4	test5	test6	test7	test8	test9
Avg	4.88	5.24	5.15	4.13	4.32	4.92	4.71	4.78	5.37
Max	5.30	5.60	5.50	4.80	4.70	5.20	5.00	5.10	5.70
Min	4.40	4.90	4.70	3.50	4.00	4.60	4.40	4.40	5.10

Performance Characteristics (normal operating conditions)

Uniformity (°C)	≤2
Recovery to 8°C after 1 min door opening (min)	13.5
Temperature fluctuation (°C)	< 2
Energy consumption (kWh/day)	2
Noise emission (dB)	55/60
Heat rejection (BTU/hr)	427
Pull-down time to 6°C (min)	90

All performance data from 416L refrigerator, 25 ambient, 5.0°C

Uniformity



Cooling Speed

