



MC-5L416C



Inverter Compressor



Super & Even Cooling

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

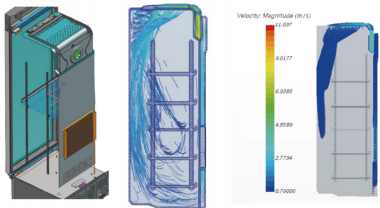
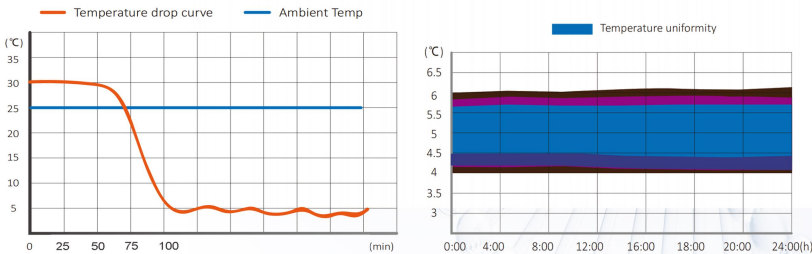


Eco-Efficient Cooling

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

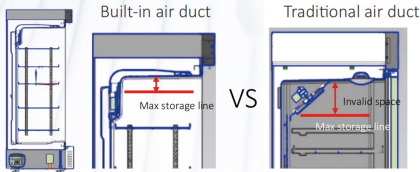
Top Cooling System

Typical Performance Characteristics at 25 °C Ambient



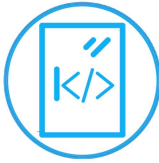
Built-in Air Duct

Dual Display

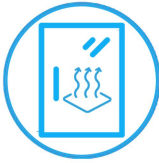


Multiple Alarm

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



Self-closing Door



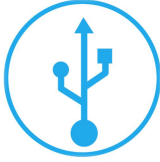
Opt:Electrically Heated Glass Door



Forced-Air Cooling
No Frost

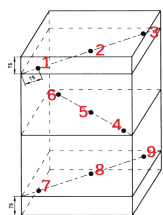


Opt:304 Stainless Steel



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	220-240~/50Hz/60Hz
Current	1.7A
Power Cord Length	1.7m
Certification	CE
Door type	Solid door (Electrically Heated Glass 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	77 kg
Gross Weight	86 kg



Location of test probes

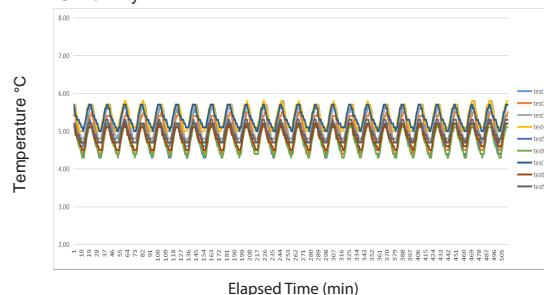
Typical Temperature Map

	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)	1
Noise emission (dB)	55
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

