



MC-5L416C



Inverter Compressor

Super & Even Cooling

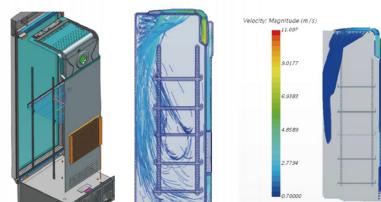
90Mins Rapid Cooling(32°C→6°C)&≤2°C Uniformity.

Eco-Efficient Cooling

R600a (HC)refrigerant:Near-zero GWP

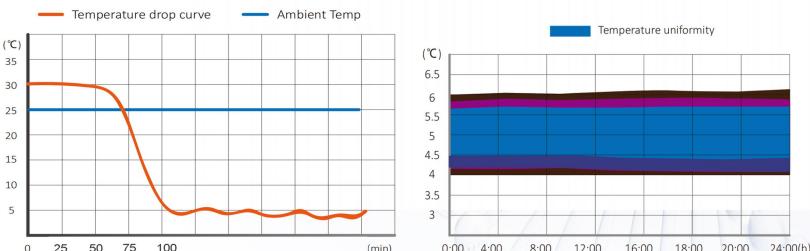
Energy consumption: ≤2kWh/24h

Top Cooling System



VS

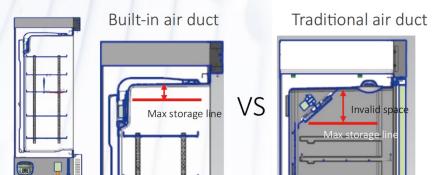
Typical Performance Characteristics at 25 °C Ambient



Dual Display

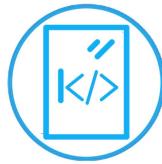


Built-in Air Duct



Multiple Alarm

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



Self-closing Door



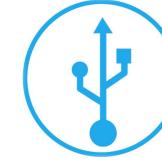
Opt:Electrically Heated Glass Door



Forced-Air Cooling No Frost

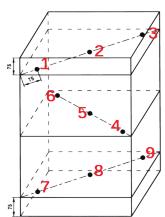


Opt:304 Stainless Steel



Std: USB | Opt: RS485

Application, Rating, & Electrical Data		Performance Characteristics (normal operating conditions)	
Application	Pharmacy refrigerator	Uniformity (°C)	≤2
Storage Volume (L/Cu.Ft)	416/14.7	Recovery to 8°C after 1 min door opening (min)	13.5
Temperature Range	+2°C to +8°C	Temperature fluctuation (°C)	<2
Default Set Point	+5°C	Energy consumption (kWh/day)	1
Power Supply	220-240~/50Hz/60Hz	Noise emission (dB)	55
Current	1.7A	Heat rejection (BTU/hr)	427
Power Cord Length	1.7m	Pull-down time to 6°C (min)	90
Certification	CE	All performance data from 416L refrigerator, 25 ambient, 5.0°C	
Door type	Solid door (Electrically Heated Glass Door optional)	Uniformity	
Application Environment	Non-corrosive, non-flammable, non-explosive	Temperature °C	Temperature °C
Ambient Operating Temperature	+16°C to +32°C	Elapsed Time (min)	Elapsed Time (min)
Refrigeration		Cooling Speed	
Refrigeration System	Forced-air/hydrocarbon Refrigerant	Temperature °C	Temperature °C
Compressor	Inverter	Elapsed Time (min)	Elapsed Time (min)
Condenser Type	Air-cooled	Dimensions	
Expansion Device	Cap tube	Interior ((w*d*h))	
Evaporator Type	Fin and tube	Exterior ((w*d*h))	
Defrost Method	Automatic	Access Port	
Refrigerant	R600a	Shelves	
Controller / Configuration Settings		Wheels	
Display screen	LED	Net Weight	
Controller Type	Microprocessor	Gross Weight	
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		



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

Location of test probes

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