2-8℃ Vertical Pharmacy Refrigerator

Midea Biomedical



MC-5L316

Top Cooling System

Eco-Efficient Cooling

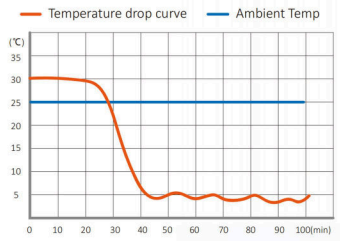
R600a (HC)refrigerant:Near-zero GWP

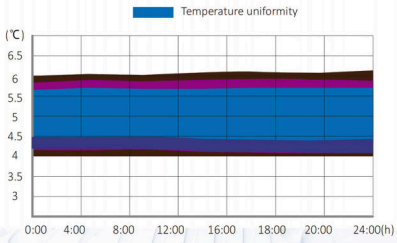
Energy consumption: ≤2.5kWh/24h

Precision Temp. Control

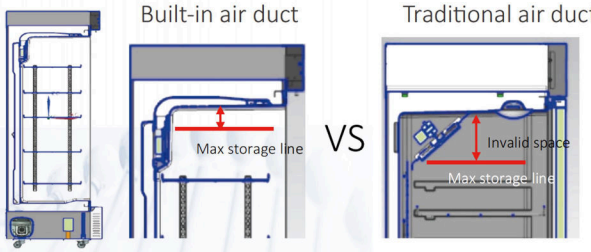
Uniformity of ±1.5°C: Ensures sample integrity throughout the chamber

Typical Performance Characteristics at 25 ℃ 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

Built-in Handle

Std: USB | Opt: RS485

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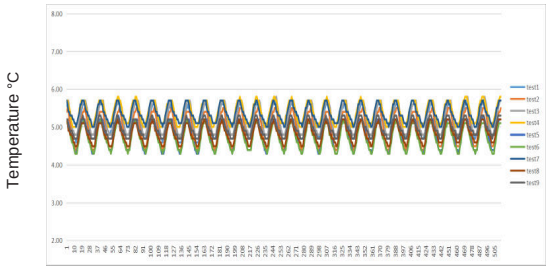
Technical Data Sheet
High-Performance, Medical-grade Refrigerator
Model: MC-5L316, Pharmacy Refrgerator

Application, Rating, & Electrical Data	
Application	Pharmacy refrigerator
Storage Volume（L/Cu.Ft）	316/11.16
Temperature Range	2°C to 8°C//35.6℉ to 46.4℉
Default Set Point	+5°C
Power Supply	115～V/60Hz | 220-240～V/50Hz| 220-240～V/60Hz
Current	2.5A | 1.5A | 1.5A
Power Cord Length	1.7m
Certification	CE/UL/ ENERGY STAR/ NSF/ANSI 456
Door type	Electrically Heated Glass Door
Application Environment	Non-corrosive, non-flammable, non-explosive
Ambient Operating Temperature	+16°C to +32°C
Refrigeration	
Refrigeration System	Forced-air/hydrocarbon Refrigerant
Compressor	Hermetic
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 and Construction	
Interior (w*d*h)mm	500*464*1343 mm
Exterior (w*d*h)	595*603*1920 mm
Access Port	Access Port- for external monitoring probe(s) (25 mm diameter)
Shelves	5 | 35 kg max capacity/drawer
Wheels	4, The front two can be stopped
Net Weight	72 kg
Gross Weight	81 kg

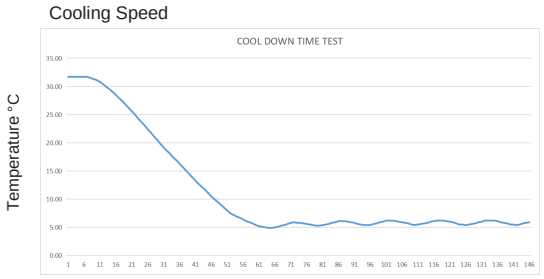
Performance Characteristics (normal operating conditions)	
Uniformity | （°C）	±1.5
Recovery to 8°C after 1 min door opening | （min）	9
Temperature fluctuation | （℃）	＜2
Energy consumption | （kWh/day）	CE/2.5 UL/2.5
Noise emission | （dB）	CE/52 UL/60
Heat rejection | （BTU/hr）	870
Pull-down time to 6°C | （min）	60

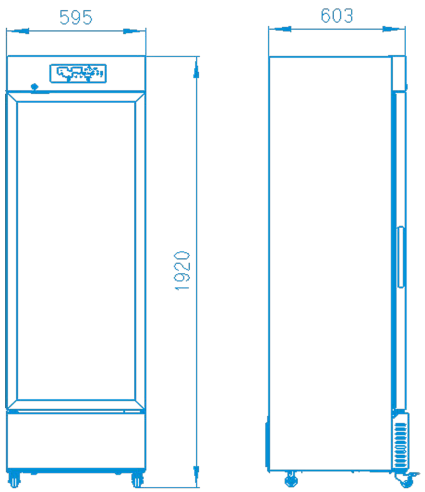
All performance data from 316L refrigerator, 25 ambient, 5.0℃

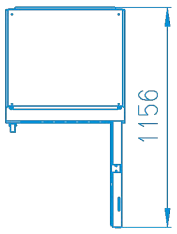
Uniformity

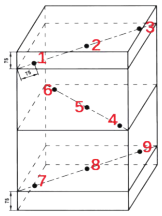


Cooling Speed









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

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