Midea Biomedical

Large Capacity Pharmacy Refrigerator



MC-5L216

Super & Even Cooling

70Mins Rapid Cooling(32°C→6°C)&±1°C Uniformity.

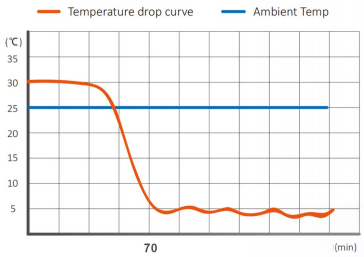
Flexvolt(100V~240V)

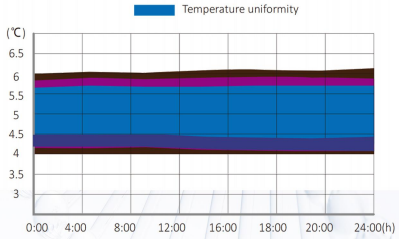
Stable operation at 100-240~V, 50/60Hz.

Energy-Saving & Low Noise

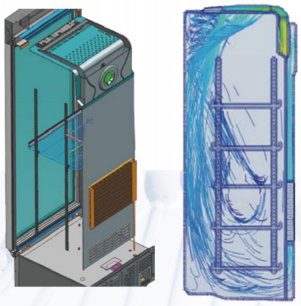
1.5kWh/24h Power Consumption & 35dB Low Noise.

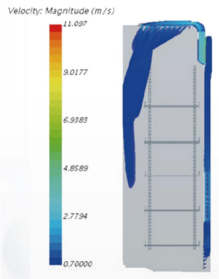
Typical Performance Characteristics at 25 ℃ Ambient





Top Cooling System





Dual Display



R600a Refrigerant

Environmentally friendly refrigerant

Universal Interface

① Dual test ports (Ø25mm)
② USB datalogger output
③ NO/NC alarm relays
④ RS485 Optional

HEMF-LiB

Last 40hrs when power off.

6 Sensors

Support multiple alarms

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www.mideabiomedical.net

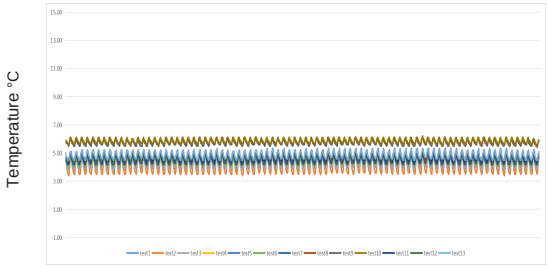
Technical Data Sheet
High-Performance, Medical-grade Refrigerator
Model: MC-5L216, Pharmacy Refrgerator

Application, Rating, & Electrical Data	
Application	Pharmacy refrigerator
Storage Volume（L/Cu.Ft）	216/7.63
Temperature Range	2°C to 8°C//35.6℉ to 46.4℉
Default Set Point	+5°C
Power Supply	100-240～V/50Hz/60Hz
Current	3A (100V) | 1.5A(240V)
Power Cord Length	1.7m
Certification	CE
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, 50 hr display and alarm back-up | Rechargeable 12V, Li-ion
Dimensions and Construction	
Interior (w*d*h)mm	497*440*1150 mm
Exterior (w*d*h)mm	595*597*1452 mm
Access Port	Access Port- for external monitoring probe(s) (25 mm diameter)
Shelves	4 | 24 kg max capacity/drawer
Wheels	4, two swivel casters + two leveling feet
Net Weight	61 kg
Gross Weight	67 kg

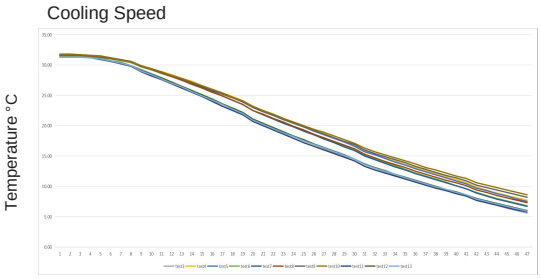
Performance Characteristics (normal operating conditions)	
Uniformity | （°C）	±1
Recovery to 8°C after 1 min door opening | （min）	9
Temperature fluctuation | （℃）	≤3
Energy consumption | （kWh/day）	1.5
Noise emission | （dB）	35
Heat rejection | （BTU/hr）	320
Pull-down time to 6°C | （min）	70

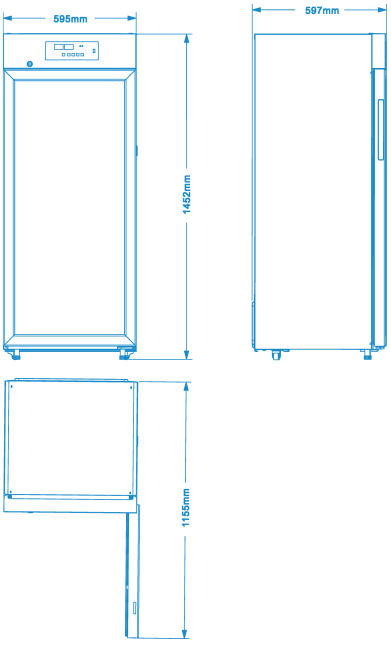
All performance data from 216L refrigerator, 25℃ ambient, 5.0℃

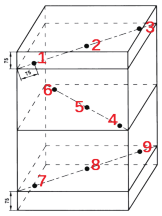
Uniformity



Cooling Speed







Location of test probes

Typical Temperature Map

	test1	test2	test3	test4	test5	test6	test7	test8	test9
Avg	4.52	4.09	4.26	4.62	4.69	4.43	4.49	4.76	5.72
Max	5.30	5.80	4.80	5.10	5.10	4.90	4.90	5.10	6.00
Min	3.80	3.40	3.80	4.20	4.30	4.10	4.20	4.50	5.40

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