Large Capacity Pharmacy Refrigerator

Midea Biomedical

MC-5L1366B

Dual Cooling&Dual Guard

Inverter compressor ×2,Inverter fan ×4,Condensor fan ×2;Independent systems: One fails,the other one still maintains 2-8°C(Ambient temperature 25°C).

Super & Even Cooling

80Mins Rapid Cooling(32°C→6°C)&±1°C Uniformity.

Flexvolt(175V~265V)

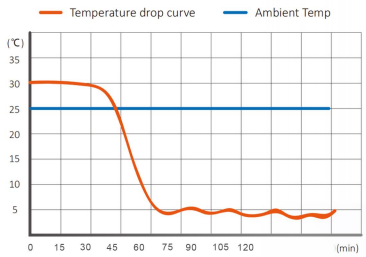
Stable operation at 175-265V, 50/60Hz.

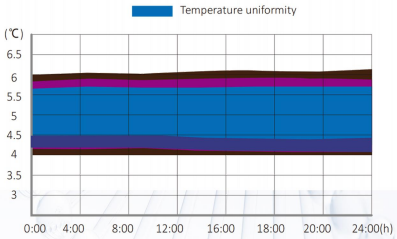
ECO Friendly

Energy-Saving & Low Noise

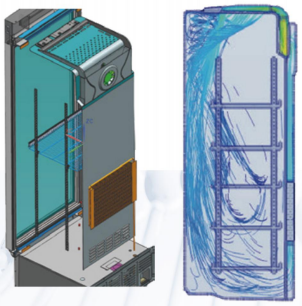
5.9kWh/24h Power Consumption & 35dB Low Noise.

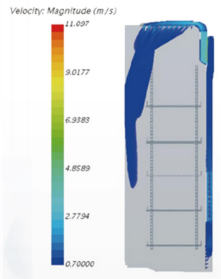
Typical Performance Characteristics at 25 ℃ Ambient





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

Auto Humidity Stabilization

Auto-Maintains 35%-75% (Ambient 16°C-32°C)

HEMF-LiB

Last 40hrs when power off.

304 Stainless Steel

10 Sensors

Support multiple alarms

Midea Biomedical

Midea Biomedical, Hefei City, China
www.mideabiomedical.net

Technical Data Sheet
High-Performance, Medical-grade Refrigerator
Model: MC-5L1366B, Pharmacy Refrgerator

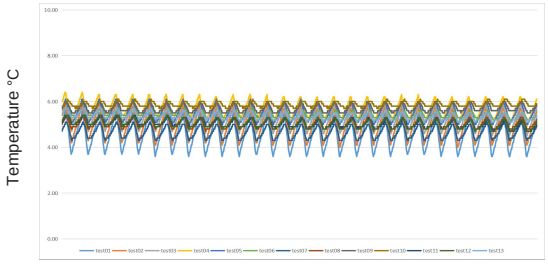
Application, Rating, & Electrical Data	
Application	Pharmacy refrigerator
Storage Volume（L/co.ft）	1366/48.24
Temperature Range	2°C~8°C
Default Set Point	+5°C
Power	220-240~V/50Hz/60Hz
Current	4.7A
Power Cord Length	1.7m
Certification	CE
Door type	Tempered Glass Door+Auto Door Heating/Double Door
Application Environment	Non-corrosive, non-flammable, non-explosive
Ambient Operating Temperature	16°C ~32°C
Refrigeration	
Refrigeration System	Forced-air/hydrocarbon Refrigerant/Dual Cooling System
Compressor	Inverter
Condenser Type	Force air-cooled
Expansion Device	Capillary tube
Evaporator Type	Fin and tube
Defrost Method	Auto Defrost
Refrigerant	R600a
Controller / Configuration Settings	
Display screen	LED
Controller Type	Microprocessor
Security	Lockable door, password protected settings
Control Sensor	NTC
Communication Ports	USB/Remote alarm contacts/RS485 Optional
Temperature Monitor	Yes
Battery Back-up	Yes, 40 hr for display and alarm back-up |Li-ion battery
Multiple Alarms	High temperature alarm;Low temperature alarm; Ambient temperature high alarm; Control sensor fault; Display sensor fault; Ambient temperature sensor fault; Defrost sensor fault;Humidity sensor fault; Ambient humidity sensor fault; Defrost sensor 2 fault; Control sensor 2 fault; Door open alarm; Power failure alarm; Low battery alarm; Communication alarm;Refrigeration system 1 fault; Refrigeration system 2 fault .

Dimensions	
Interior (w*d*h)mm	1410*660*1540 mm
Exterior (w*d*h)mm	1500*895*1925 mm Net depth: 820mm (excl. handle & rear support)
Access Port	Two Access Port- for external monitoring probe(s) (25 mm diameter)
Shelf	12 | 35 kg max capacity/shelf
Wheels	Braking swivel castors*5 + adjustable leveling feet*2
Net Weight	227 kg
Gross Weight	271 kg

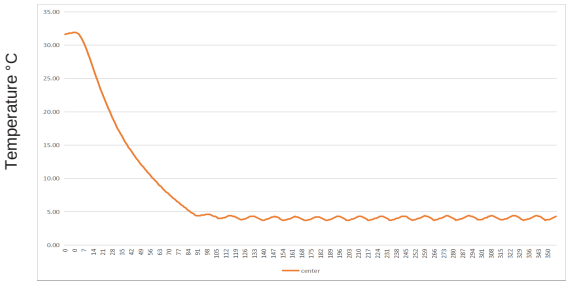
Performance Characteristics (normal operating conditions)	
Uniformity |（°C）	≤2
Recovery to 8°C after 1 min door opening |（min）	7
Temperature fluctuation |（℃）	≤3
Energy consumption |（kWh/day）	5.9
Noise emission |（dB）	35
Heat rejection |（BTU/hr）	1259
Pull-down time to 6°C |（min）	80

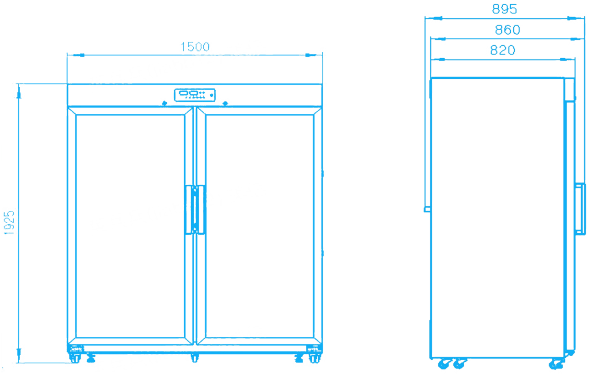
All performance data from 1366L refrigerator, 25 ambient, 5.0℃

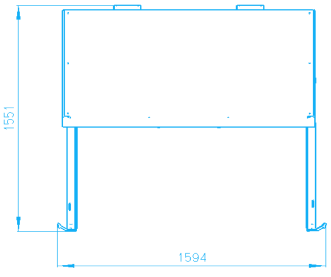
Uniformity

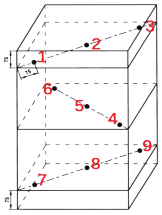


Cooling Speed









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