Table Top Pharmacy Refrigerator

Midea Biomedical

Compact Design

Space-optimized for confined environments: Ideal for small labs/policy institutes, fits seamlessly under workbenches

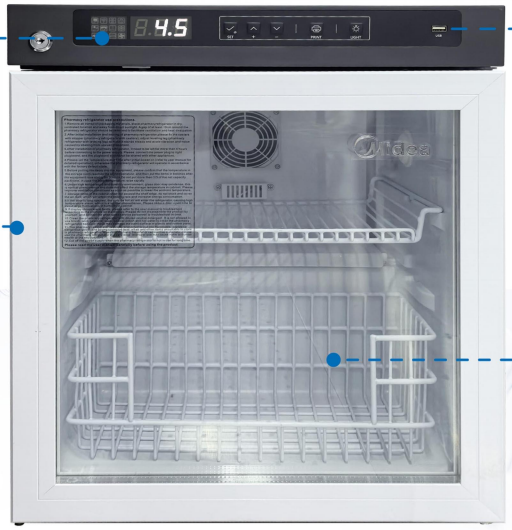
MC-5L42

Eco-Efficient Cooling

R600a (HC)refrigerant:Near-zero GWP
Energy consumption: ≤0.65kWh/24h

Precision Temp. Control

Uniformity of ±1°C: Ensures sample integrity throughout the chamber



Multiple Alarm

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

Std: USB | Opt: RS485

Low E Glass

Opt:Reversible Door

Built-in Handle

Forced-Air Cooling

No Frost

Midea Biomedical

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

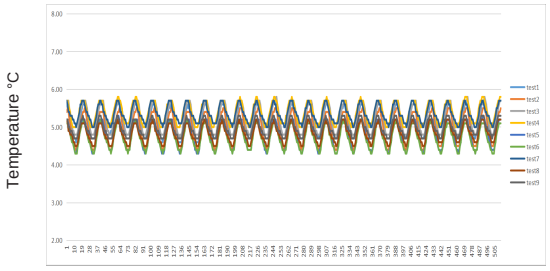
Application, Rating, & Electrical Data	
Application	Pharmacy refrigerator
Storage Volume（L/Cu.ft）	42/1.48
Temperature Range	2°C ~ 8°C
Default Set Point	5°C
Power	115V/60Hz | 220-240～V/50Hz | 220-240～V//60Hz
Current	1.5A | 0.75A | 0.75A
Power Cord Length	1.7m
Certification	CE/UL/ ENERGY STAR/ NSF/ANSI 456
Door type	Low-E Glass Door
Application Environment	Non-corrosive, non-flammable, non-explosive
Ambient Operating Temperature	16°C ~ 32°C
Refrigeration	
Refrigeration System	Forced-air/hydrocarbon Refrigerant
Compressor	Hermetic
Condenser Type	Built-in
Expansion Device	Capillary tube
Evaporator Type	Plate Evaporator
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)	380*300*410 mm
Exterior (w*d*h)	450*459*569.5 mm
Access Port	N
Shelf/Drawer	Shelf*1 +Drawer*1 | 12 kg max capacity/shelf
Leveling Feet	Y
Net Weight	23 kg
Gross Weight	25 kg

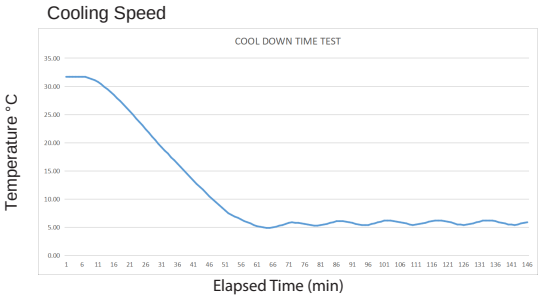
Performance Characteristics (normal operating conditions)	
Uniformity | （°C）	±1.0
Recovery to 8°C after 1 min door opening | （min）	7.5
Temperature fluctuation | （℃）	≦3
Energy consumption | （kWh/day	0.65
Noise emission | （dB）	45
Heat rejection | （BTU/hr）	460
Pull-down time to 6°C | （min）	70

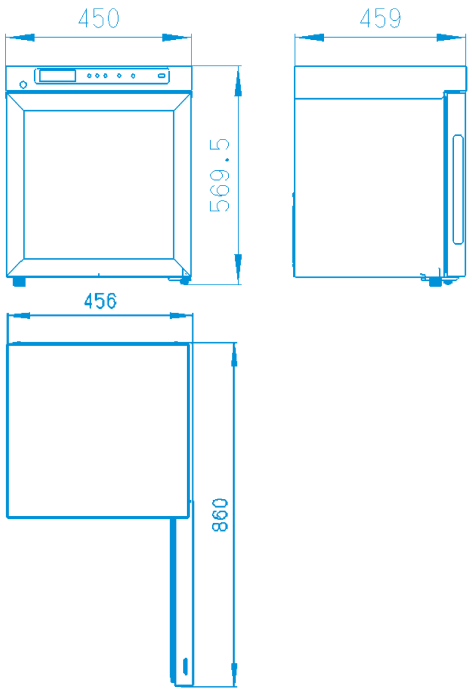
All performance data from 42L refrigerator, 25 ambient, 5.0℃

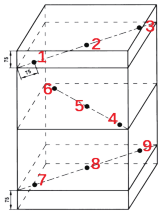
Uniformity



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

Under Counter Pharmacy Refrigerator

Midea Biomedical

MC-5L126

Compact Design

Space-optimized for confined environments: Ideal for small labs/policy institutes, fits seamlessly under workbenches

Eco-Efficient Cooling

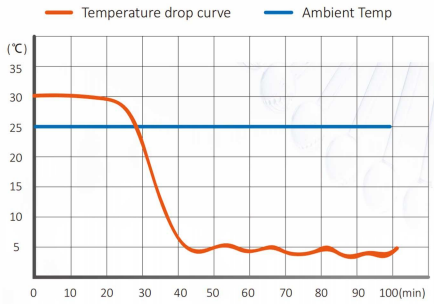
R600a (HC)refrigerant:Near-zero GWP
Energy consumption: ≤0.78kWh/24h

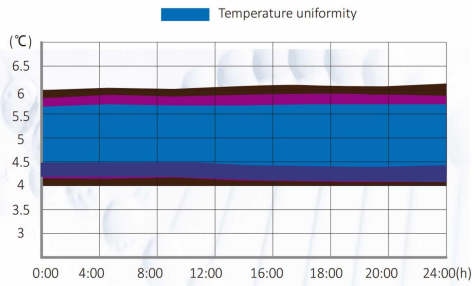
Precision Temp. Control

Uniformity of ±1°C: Ensures sample integrity throughout the chamber

LCD Display

Typical Performance Characteristics at 25 ℃ Ambient





Multiple Alarm

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

Std: USB | Opt: RS485

Electrically Heated Door Opt:Low E Glass

Opt:Reversible Door

Mounted Handle

Forced-Air Cooling

No Frost

Midea Biomedical

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

Technical Data Sheet
High-Performance, Medical-grade Refrigerator
Model: MC-5L126, Pharmacy Refrgerator

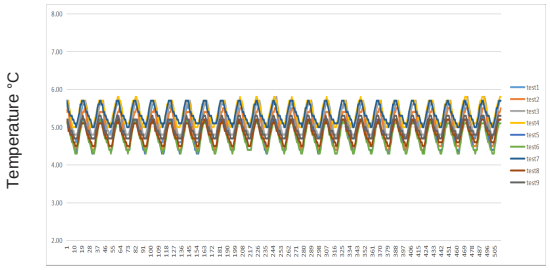
Application, Rating, & Electrical Data	
Application	Pharmacy refrigerator
Storage Volume（L/Cu.Ft）	126/4.45
Temperature Range	2°C to 8°C/ 35.6°F to 46.4°F
Default Set Point	+5°C
Power	115～V/60Hz | 220-240～V/50Hz| 220-240～V/60Hz
Current	2A | 1A | 1A
Power Cord Length	1.7m
Certification	CE/ UL/ ENERGY STAR/ NSF/ANSI 456
Door type	Electrically Heated Glass Door(Std) | Reversible Door with Low E Glass (Opt)
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	Capillary tube
Evaporator Type	Fin and tube
Defrost Method	Automatic
Refrigerant	R600a
Controller / Configuration Settings	
Display screen	LCD
Controller Type	Microprocessor
Security	Lockable door, protected settings
Control Sensor	NTC
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
RS485	Optional
Battery Back-up	Yes, 20 hr（built-in coin battery）

Dimensions	
Interior (w*d*h)	505*467*620 mm
Exterior (w*d*h)	595*615*810 mm
Access Port	Access Port- for external monitoring probe(s) (25 mm diameter)
Shelves	3 | 35 kg max capacity/shelf
Wheels	leveling feet
Net Weight	43 kg
Gross Weight	48 kg

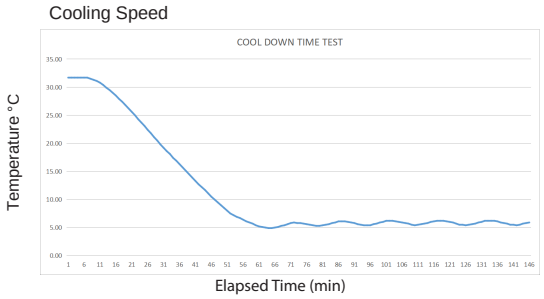
Performance Characteristics (normal operating conditions)	
Uniformity |（°C）	±1.0
Recovery to 8°C after 1 min door opening |（min）	9
Temperature fluctuation |（℃）	≤2
Energy consumption |（kWh/day）	CE/ UL 1.5 (Std)| CE/0.78 UL/1.2 (Opt)
Noise emission |（dB）	45
Heat rejection |（BTU/hr）	634
Pull-down time to 6°C |（min）	80

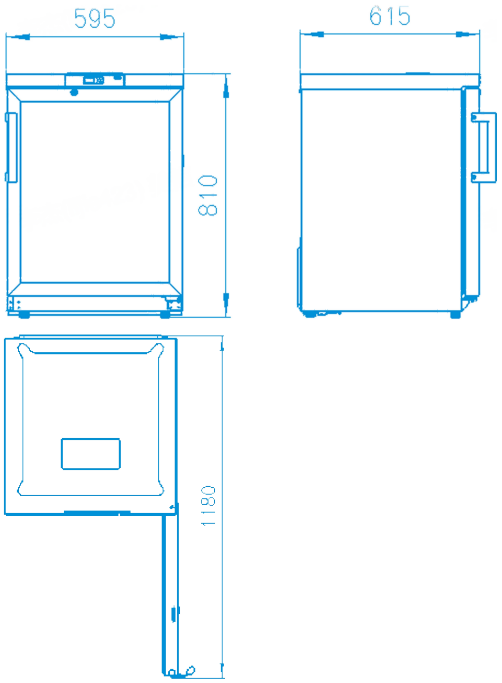
All performance data from 126L refrigerator, 25 ambient, 5.0°C

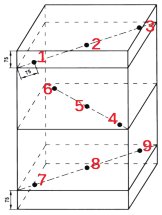
Uniformity



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

2-8℃ Vertical Pharmacy Refrigerator

Midea Biomedical

MC-5L316

Top Cooling System

Eco-Efficient Cooling

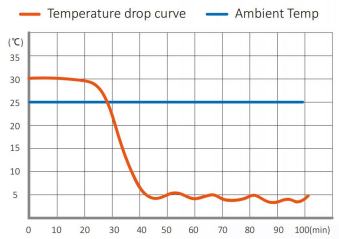
R600a (HC)refrigerant:Near-zero GWP

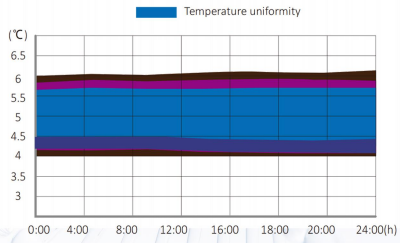
Energy consumption: ≤2.5kWh/24h

Precision Temp. Control

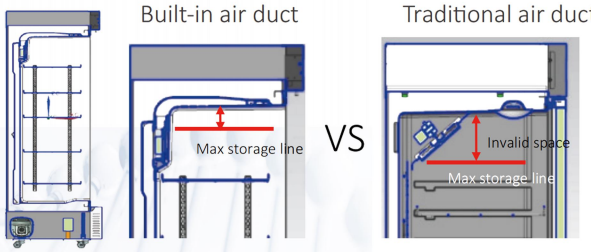
Uniformity of ±1.5°C: Ensures sample integrity throughout the chamber

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

Midea Biomedical

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

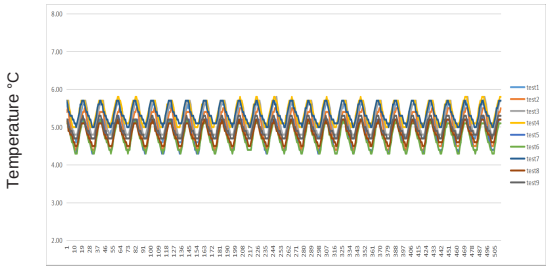
Technical Data Sheet
High-Performance, Medical-grade Refrigerator
Model: MC-5L316, Pharmacy Refrgerator

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

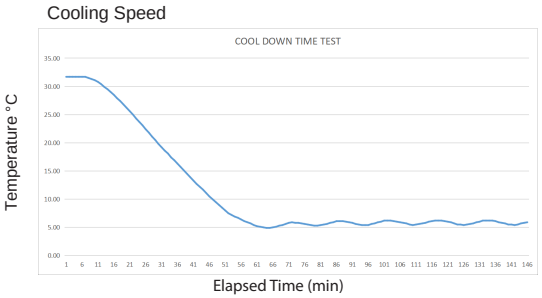
Performance Characteristics (normal operating conditions)	
Uniformity | （°C）	±1.5
Recovery to 8°C after 1 min door opening | （min）	9
Temperature fluctuation | （℃）	＜2
Energy consumption | （kWh/day）	CE/2.5 UL/2.5
Noise emission | （dB）	CE/52 UL/60
Heat rejection | （BTU/hr）	870
Pull-down time to 6°C | （min）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

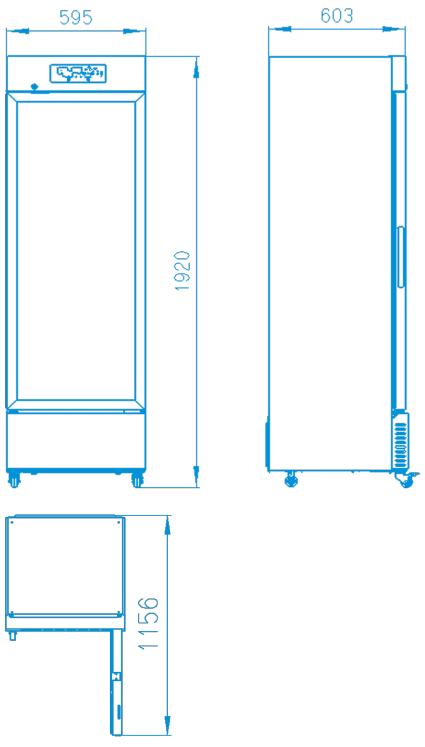
All performance data from 316L refrigerator, 25 ambient, 5.0℃

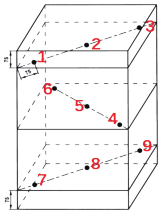
Uniformity



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

2-8℃ Vertical Pharmacy Refrigerator

Midea Biomedical

MC-5L316B

Cost-Efficiency Excellence

Eco-Efficient Cooling

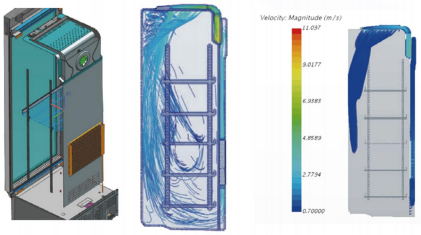
R600a (HC)refrigerant:Near-zero GWP

Energy consumption: ≤2.5kWh/24h

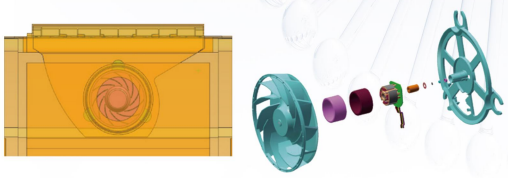
Precision Temp. Control

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

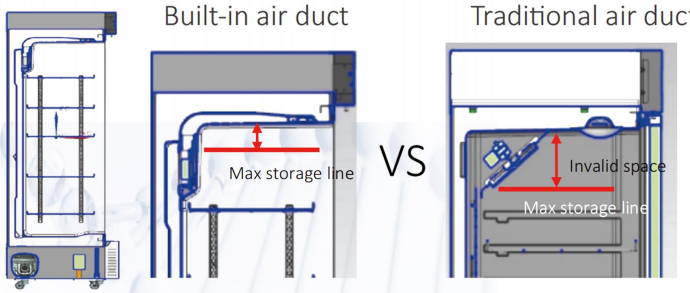
■ Top Cooling



■ DC Turbo Fan



■ Built-in Air Duct



Multiple Alarm

Multiple alerts (audible/visual) /sensor/high/low temp/low battery Amibent

Self-closing Door

Electrically Heated Glass Door

Forced-Air Cooling

No Frost

Built-in Handle

Midea Biomedical

Midea Biomedical, Hefei City, China
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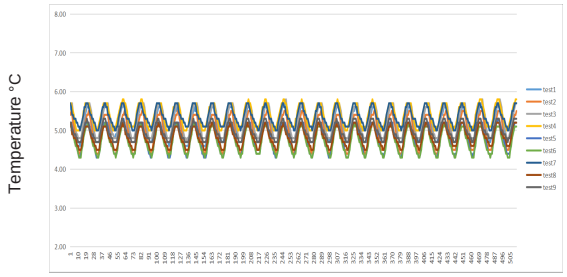
Technical Data Sheet
High-Performance, Medical-grade Refrigerator
Model: MC-5L316B, Pharmacy Refrgerator

Application, Rating, & Electrical Data	
Application	Pharmacy refrigerator
Storage Volume（L/Cu.Ft）	316/11.16
Temperature Range	+2°C to +8°C
Default Set Point	+5°C
Power Supply	220~240V/50Hz
Current	1.5A
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	Built-in
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
High/Low Alarms	Yes, fully adjustable
Door Ajar Alarm	Yes, fully adjustable
Min/Max Temperature	Yes, display and reset
Dimensions and Construction	
Interior (w*d*h)	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	68 kg
Gross Weight	76 kg

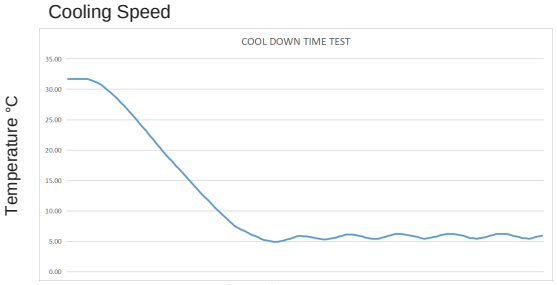
Performance Characteristics (normal operating conditions)	
Uniformity |（°C）	±1.5
Recovery to 8°C after 1 min door opening |（min）	9
Temperature fluctuation |（℃）	≦2
Energy consumption |（kWh/day）	2.5
Noise emission |（dB）	45
Heat rejection |（BTU/hr）	870
Pull-down time to 6°C |（min）	90

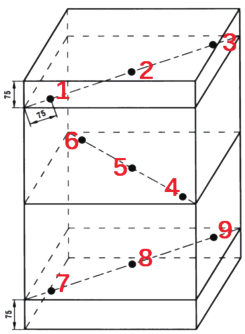
All performance data from 316L refrigerator, 25 ambient, 5.0℃

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