



MC-5L316



Top Cooling System



Eco-Efficient Cooling

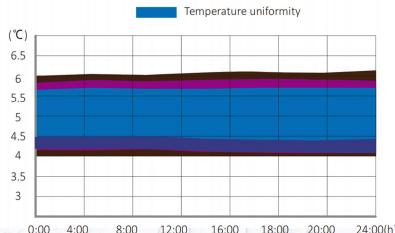
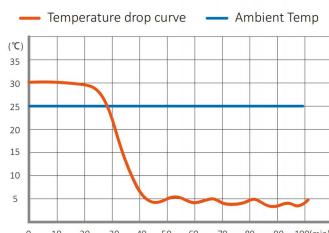
R600a (HC) refrigerant: Near-zero GWP
Energy consumption: ≤2.5kWh/24h



Precision Temp. Control

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

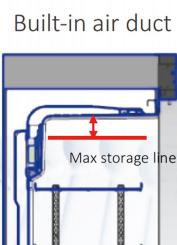
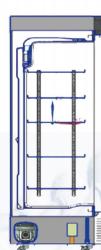
Typical Performance Characteristics at 25 °C Ambient



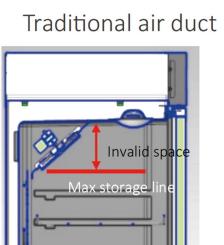
Dual Display



Built-in Air Duct

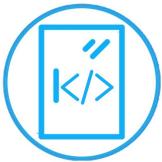


VS



Multiple Alarm

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



Self-closing Door

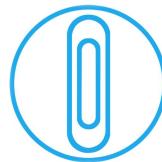


Electrically Heated Glass Door

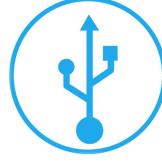


Forced-Air Cooling

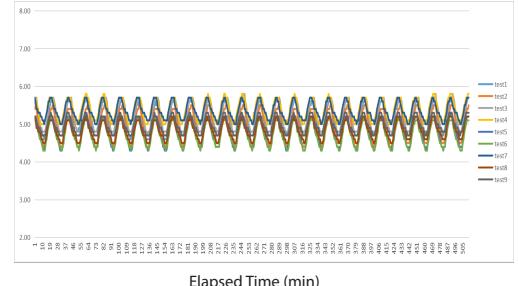
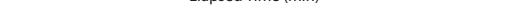
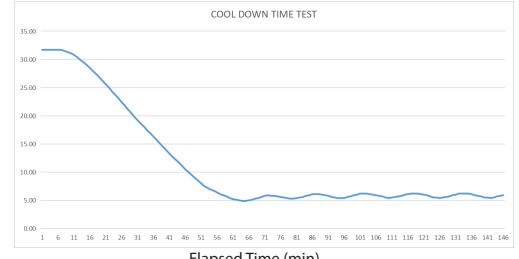
No Frost

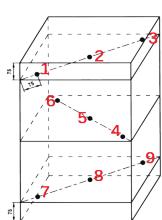


Built-in Handle



Std: USB | Opt: RS485

Application, Rating, & Electrical Data		Performance Characteristics (normal operating conditions)	
Application	Pharmacy refrigerator	Uniformity (°C)	±1.5
Storage Volume (L/Cu.Ft)	316/11.16	Recovery to 8°C after 1 min door opening (min)	9
Temperature Range	2°C to 8°C/35.6°F to 46.4°F	Temperature fluctuation (°C)	<2
Default Set Point	+5°C	Energy consumption (kWh/day)	CE/2.5 UL/2.5
Power Supply	115 ~ V/60Hz 220-240 ~ V/50Hz 220-240 ~ V/60Hz	Noise emission (dB)	CE/52 UL/60
Current	2.5A 1.5A 1.5A	Heat rejection (BTU/hr)	870
Power Cord Length	1.7m	Pull-down time to 6°C (min)	60
Certification	CE/UL / ENERGY STAR/ NSF/ANSI 456	All performance data from 316L refrigerator, 25 ambient, 5.0°C	
Door type	Electrically Heated Glass Door	Uniformity	
Application Environment	Non-corrosive, non-flammable, non-explosive	Temperature °C	Elapsed Time (min)
Ambient Operating Temperature	+16°C to +32°C		
Refrigeration		Cooling Speed	
Refrigeration System	Forced-air/hydrocarbon Refrigerant	Temperature °C	Elapsed Time (min)
Compressor	Hermetic		
Condenser Type	Air-cooled	Dimensions and Construction	
Expansion Device	Cap tube	Dimensions and Construction	
Evaporator Type	Fin and tube	Dimensions and Construction	
Defrost Method	Automatic	Dimensions and Construction	
Refrigerant	R600a	Dimensions and Construction	
Controller / Configuration Settings		Dimensions and Construction	
Display screen	LED	Dimensions and Construction	
Controller Type	Microprocessor	Dimensions and Construction	
Security	Lockable door, password protected settings	Dimensions and Construction	
Control Sensor	NTC, stainless steel	Dimensions and Construction	
Communication Ports	USB, Remote alarm contacts	Dimensions and Construction	
Power Failure Alarm	Yes	Dimensions and Construction	
High/Low Alarms	Yes, fully adjustable	Dimensions and Construction	
Door Ajar Alarm	Yes, fully adjustable	Dimensions and Construction	
Min/Max Temperature	Yes, display and reset	Dimensions and Construction	
Download	Yes, via USB, PDF	Dimensions and Construction	
Temperature Log	Yes, download via USB	Dimensions and Construction	
Temperature Monitoring Ballast	Yes	Dimensions and Construction	
Battery Back-up	Yes, 16 hr display and alarm back-up Rechargeable 12V, lead acid	Dimensions and Construction	
Dimensions and Construction		Dimensions and Construction	
Interior (w*d*h)mm	500*464*1343 mm	Dimensions and Construction	
Exterior (w*d*h)	595*603*1920 mm	Dimensions and Construction	
Access Port	Access Port- for external monitoring probe(s) (25 mm diameter)	Dimensions and Construction	
Shelves	5 35 kg max capacity/drawer	Dimensions and Construction	
Wheels	4, The front two can be stopped	Dimensions and Construction	
Net Weight	72 kg	Dimensions and Construction	
Gross Weight	81 kg	Dimensions and Construction	



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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