



LABORATORY REFRIGERATOR

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Laboratory refrigerators supplied with digital controller, glass door, alarm system to meet the demanding requirements of laboratory research. These refrigerator has temperature ranging from +2°C to +8°C and all models are combined with two exact sensors and auto defrost.

Used in Industry, Cosmetic, Pharmaceutical, Electronics, Laboratory, Medical, Research.

Also known as Laboratory Medical Refrigerator.

400 LABORATORY REFRIGERATOR



Permanently lubricated cooling fan for safety and longevity

Forced- air cooling with optimized air distribution system designed to achieve maximum temperature uniformity and stability

Optimized refrigeration system design for more effective cooling and Speedy recovery

Temperature variation within $\pm 3^{\circ}\text{C}$

Temperature adjustment with an increment of 0.1°C

Optimized space utilization design with multi-level and adjustable shelf height to accommodate storage requirement

Safety lock to prevent unauthorized access

Caster design and leveling legs

Equipped with a complete temperature alarm system featuring audible buzzer and visible flashing light

Capable of alerting failures due to high and low temperature sensor error, door ajar , power failure and low battery

SPECIFICATIONS

Model	BLAR-401	BLAR-403	BLAR-404	BLAR-405
Capacity	60 L	226 L	316 L	415 L
Temperature Range	2~8°C			
Ambient Temperature	10~32 °C	10~32°C		
Refrigerant	R600a		R290	R600a
Defrost Method	Auto Defrost			
Controller	Microprocessor Control with digital Display			
Control Sensor	NTC			-
Cooling Type	Forced air cooling			
Shelf/drawer	Shelves/2	Shelves/4	Shelves*6/Basket*1	-
Alarms	High/low temperature, Power failure, Thermostat failure, Door ajar, Power failure backup system(alarm) 8h		High/low temperature, Power failure, Thermostat failure, Door ajar, Power failure backup system(alarm) 48h, Backup battery failure alarm, Condenser fault alarm, Ambient Temperatures,	High/low temperature, Power failure, Thermostat failure, Door ajar
Insulation	PURF			-
Material Inside	Color sprayed steel	Blister liner	Color sprayed steel	-
Material Outside	Color sprayed steel			-
Noise Level	50 dB	55 dB	50 dB	
Internal Size	410x315x560 mm	534x406x1150 mm	540x425x1380 mm	685x429x1380 mm
External Size	495x450x710 mm	625x594x1707mm	660x555x1915 mm	780x580x1920 mm

Package Size	558x510x760 mm	707x676x1745mm	710x640x1970 mm	880x640x2100 mm
CBM	0.22	0.91	0.9	-
20GP/40GP/40HQ	132/276/276	24/51/51	27/54/54	-
NT./GT. (kg)	33/37kg	73/76kg	92.5/100kg	-
Power consumption (kW.h/24h)	0.84	1.6	2.8	-
Power	72W	140W	216W	175 W
Current (A)	0.59A	1A	1.46A	-
Voltage/frequency (V/Hz)	220/50Hz			-
Standard Accessories	Foot, 1 Outer Glass door Low-E Type, Door Lock, Test hole 25mm diameter, LED Lamp, Remote alarm port	Foot, Castor, 1 Outer Glass door Low-E Type, Door Lock, Test hole 25mm diameter, LED Lamp, Remote alarm port	Castor, Outer door with Heating glass door and automatic rebound, 1 Door Lock, 1 Test hole with 25mm diameter, LED Lamp, USB port, Remote alarm port, RS232/485 port	-
Optional Accessory	Temperature recorder Datalogger, USB port	Temperature recorder Datalogger, USB port	Temperature recorder Datalogger	-
Sensor	-	-	-	NTC
Shelves	-	-	-	Shelves/5
Accessories	-	-	-	Foot, 1/Glass/Low-E (outer door/type), Door Lockx1, Test hole 1/25mm, LED lamp, Power failure backup system(alarm) 8h, USB(download temperature record), remote alarm port, door heater, high ambient temperature alarm, low battery alarm, Condenser failure alarm
Optional Accessories	-	-	-	Temperature recorder, RS232/485 port, Test hole
Weight	-	-	-	120/133 kg
Input/Average Power	-	-	-	2.37 kWh/24hrs
Power Supply	-	-	-	220/ 50Hz, 1.26 A
Compressor brand/QTY	-	-	-	-

Model	BLAR-406	BLAR-407	BLAR-408
Capacity	656 L	1006 L	1500 L
Temperature Range	2~8℃		
Ambient Temperature	10~32℃		
Refrigerant	R600a		R134a
Defrost Method	Auto Defrost		
Controller	Microprocessor Control with digital Display		
Control Sensor	NTC		
Cooling Type	Forced air cooling		
Shelf/drawer	Shelves/10		Shelves/12

Alarms	High/low temperature, Power failure, Thermostat failure, Door ajar, Power failure backup system(alarm) 8h		
Insulation	PURF		
Material Inside	Color sprayed steel	stainless steel	
Material Outside	Color sprayed steel	stainless steel	
Noise Level	52 dB	53 dB	55 dB
Internal Size	1100x454x1325 mm	1100x684x1325 mm	1680x595x1312 mm
External Size	1240x630x1895 mm	1240x820x1900 mm	1800x775x1965 mm
Package Size	1335x710x2000 mm	1335x945x2000 mm	1880x820x2150 mm
CBM	1.9	2.52	3.31
20GP/40GP/40HQ	12/27/27	8/18/18	6/14/14
NT./GT. (kg)	166/184kg	189/213kg	245/280kg
Power consumption (kW.h/24h)	5.75	6.23	8
Power	385W	425W	1040W
Current (A)	2.3A	2.4A	5.4A
Voltage/frequency (V/Hz)	220/50Hz		
Standard Accessories	Castor, 2 Outer door with Heating glass door and automatic rebound, 2 Door Lock, 1 Test hole with 25mm diameter, LED Lamp, Remote alarm port	Castor, 2 Outer door with Heating glass door and automatic rebound, 2 Door Lock, 1 Test hole with 25mm diameter, LED Lamp, Remote alarm port	Castor, 3 Glass Outer door, 3 Door Lock, , LED Lamp
Optional Accessory	USB port, RS232/485 port, Temperature chart recorder	USB port, RS232/485 port	Test hole, USB port, Temperature recorder chart looger, RS232/485 port
Sensor	-	-	-
Shelves	-	-	-
Accessories	-	-	-
Optional Accessories	-	-	-
Weight	-	-	-
Input/Average Power	-	-	-
Power Supply	-	-	-
Compressor brand/QTY	-	-	SECOP/1



BLAR-401



BLAR-403



BLAR-404



BLAR-406



BLAR-409 LABORATORY REFRIGERATOR

Undercounter Mini type

SPECIFICATIONS

Model	BLAR-409
Capacity	60 L
Temperature Range	2~8°C
Ambient Temperature	10~32°C
Refrigerant	R600a
Defrost Method	Auto Defrost
Controller	Microprocessor Control with digital Display
Control Sensor	NTC
Cooling Type	Forced air cooling
Shelf/drawer	Shelves/2
Alarms	High/low temperature, Power failure, Thermostat failure, Door ajar, Power failure backup system(alarm) 8h
Insulation	PURF
Material Inside	Color sprayed steel
Material Outside	Color sprayed steel
Noise Level	50 dB
Internal Size	410x315x560 mm
External Size	495x450x710 mm
Package Size	558x510x760 mm
CBM	0.22
20GP/40GP/40HQ	132/276/276
NT./GT. (kg)	33/37kg
Power consumption (kW.h/24h)	0.84
Power	72W
Current (A)	0.59A
Voltage/frequency (V/Hz)	220/50Hz
Standard Accessories	Foot, Type Low-E outer Glassdoor, Door Lock, Test hole 25mm diameter, Remote alarm port, LED Lamp
Optional Accessory	USB port, Temperature recorder Datalogger

BLAR-410 LABORATORY REFRIGERATOR

Foamed Door, Undercounter Mini type

SPECIFICATIONS

Model	BLAR-410
Capacity	100 L
Temperature Range	2~8°C

Ambient Temperature	10~32°C
Refrigerant	R600a
Defrost Method	Auto Defrost
Controller	Microprocessor Control with digital Display
Control Sensor	NTC
Cooling Type	Forced air cooling
Shelf/drawer	Shelves/3
Alarms	High/low temperature, Power failure, Thermostat failure, Door ajar, Power failure backup system(alarm) 8h
Insulation	PURF
Material Inside	HIPS
Material Outside	Color sprayed steel
Noise Level	50 dB
Internal Size	385x356x737 mm
External Size	505x520x875 mm
Package Size	580x580x940 mm
CBM	0.32
20GP/40GP/40HQ	80/160/160
NT./GT. (kg)	30/33kg
Power consumption (kW.h/24h)	1.15
Power	80W
Current (A)	0.8A
Voltage/frequency (V/Hz)	220/50Hz
Standard Accessories	Foot, Castor, Outer door-foaming type, Door Lock, Test hole 25mm diameter, LED Lamp
Optional Accessory	Temperature recorder Datalogger

300 LABORATORY REFRIGERATOR



SPECIFICATIONS

Model	BLAR-411	BLAR-412
Capacity	316 L	416 L
Temperature Range	2~8°C	
Ambient Temperature	10~32°C	
Refrigerant	R290	
Defrost Method	Auto Defrost	

Controller	Microprocessor Control with digital Display	
Control Sensor	NTC	
Cooling Type	Forced air cooling	
Shelf/drawer	Shelves/5	
Alarms	High/low temperature, Power failure, Thermostat failure, Door ajar, Power failure backup system(alarm) 8h	
Insulation	PURF	
Material Inside	Color sprayed steel	
Material Outside	Color sprayed steel	
Noise Level	50 dB	
Internal Size	540x425x1380 mm	685x429x1380 mm
External Size	660x555x1915 mm	800x552x1940 mm
Package Size	720x680x2040 mm	890x655x2100 mm
CBM	0.9	1.22
20GP/40GP/40HQ	27/54/54	18/39/39
NT./GT. (kg)	92.5/100kg	120/133kg
Power consumption (kW.h/24h)	1.78	2.37
Power	228W	240W
Current (A)	1.2A	1.3A
Voltage/frequency (V/Hz)	220/50Hz	
Standard Accessories	Foot, Castor, Glass Low-E type Outer door, Door Lock, Test hole 25mm diameter, LED Lamp, Remote alarm port	
Optional Accessory	Temperature recorder Datalogger, USB port, RS232/485 port	



BLAR-411



BLAR-412

BLAR-413 LABORATORY REFRIGERATOR



Auto-closed glass door with heater, USB port 48h power failure alarm + 1 standard basket

SPECIFICATIONS

Model	BLAR-413
Capacity	416 L
Temperature Range	2~8°C
Ambient Temperature	10~32°C
Refrigerant	R290
Defrost Method	Auto Defrost
Controller	Microprocessor Control with digital Display
Control Sensor	NTC
Cooling Type	Forced air cooling
Shelf/drawer	Shelves*6/Basket*1
Alarms	High/low temperature, Power failure, Thermostat failure, Door ajar, Power failure backup system(alarm) 48h, Backup battery failure alarm, Condenser fault alarm, Ambient Temperatures,
Insulation	PURF
Material Inside	Color sprayed steel
Material Outside	Color sprayed steel
Noise Level	50 dB
Internal Size	685x429x1380 mm
External Size	800x552x1940 mm
Package Size	890x655x2100 mm
CBM	1.22
20GP/40GP/40HQ	18/39/39
NT./GT. (kg)	120/133kg
Power consumption (kW.h/24h)	2.37
Power	280W
Current (A)	1.7A
Voltage/frequency (V/Hz)	220/50Hz
Standard Accessories	Foot, Castor, Outer Heating glass door with automatic rebound, Door Lock, Test hole 25mm diameter, LED Lamp, Remote alarm port, USB port, RS232/485 port
Optional Accessory	Temperature recorder Datalogger

BLAR-414 SPARK-FREE LABORATORY REFRIGERATOR



Safety door lock and controller setting password to prevent unauthorized access

Build-in back-up battery to display temperature and to operate audible and visual alarm system for up to 8 hours without AC power

Auto on/off cooling fan to prevent cold air from leaking out when the door is opening

Visual and audible alarm system: High/low temperature, power failure, sensor failure, door ajar

Power failure protection: turn on delay of the cooling system after power failure

Controller error protection: the cooling system will remember the normal working cycle and keep working depending on this memory when controller or two sensor failed

Keyboard lock, password protection to avoid set parameter randomly

Accurate temperature controller, ensure the inside temperature within 2~8°C and accuracy 0.1 °C

Specially designed forced-air cooling system, ensure frost-free cabinet and good temperature uniformity

Suggested ambient temperature: 10~32°C

Color spray steel plate inner chamber for friendly using and easy cleaning

Wide available voltage range: 187V~242V

4 casters 2 with stopper and 2 adjustable feet for easy moving and fixation

5 adjustable steel wire shelves for easy storing

1 Standard test hole for convenient installation of temperature recorder

Special designed service-free drainage system, ensure no water in the cabinet

Auto on/off LED light with manual switch on control panel

SPECIFICATIONS

Model	BLAR-414
Capacity	416 L
Temperature Range	2~8°C
Ambient temperature	10~32°C
Refrigerant	R290
Noise	50 db
Sensor Type	NTC
Defrost	Auto
Cooling method	Forced Air Cooling System
Shelf/drawer	Shelves/5
Temperature controller	Microprocessor
Display	Digital display
Inside material	304SS
Outside material	Color sprayed steel
Insulation	PURF
Interior size (WxDxH)	685x429x1380 mm
Exterior size (WxDxH)	800x552x1940 mm
Package size (WxDxH)	890x655x2100 mm
Weight	120/133
Alarms	High/low temperature, Power failure, Thermostat failure, Door ajar, Power failure backup system
Input/Average Power	2.37 kWh/24h

Current	1.3A
Power	240 W
Power Supply	220 V 50 Hz



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