

# MEDICAL REFRIGERATOR



# MEDICAL REFRIGERATOR

Engineered to meet the demanding requirements of laboratory research. Major feature like forced air circulation system makes this product highly effective and reliable to provide quick freezing. Designed Environment friendly with no ozone-damaging chemicals and space saving with easier cleanability.

## REF11-300 2°C-10°C MEDICAL REFRIGERATOR

Microprocessor controller, temperature ranging from +2°C to +8°C, can be set freely, controlling precision 1°C, display accuracy 0.1°C. Room temperature ranging from 0°C to 32°C

Combined with two exact sensors and auto defrost

Audible and visual alarm

Upright type, Exterior made from structural plate, interior made from ABS material,

Four units Caster are mounted under the bottom

Two-layer glass door, and inert gas inside. and lockable

Interior fluorescent lighting

Adjustable 4-5 units shelves made of quality steel wire

Forced air circulation system

Highly effective condenser and expansile evaporator to provide quick freezing

Optional: temperature printer or chart recorder



## SPECIFICATIONS

Model	REF11-300
Capacity	300 L
Temperature Range	2~8°C
Refrigerant	R134a, CFC free
Refrigeration System	International famous compressor and Germany EBM fan motor
Controller	Microprocessor Control with LCD Displayer
Alarms	High & low temperature alarm, Door open alarm, Sensor failure alarm
External Size	590x603x1265 mm
Package Size	675x725x1625 mm
Optional Accessories	Remote alarm system
Weight	90/100 Kgs
Power	215W
Power Supply	220V,50/ 60HZ, 110V,50/60HZ

# REF11-520 2°C-10°C MEDICAL REFRIGERATOR

Microprocessor controller, temperature ranging from +2°C to +8°C, can be set freely, controlling precision 1°C, display accuracy 0.1°C. Room temperature ranging from 0°C to 32°C

Combined with two exact sensors and auto defrost

Audible and visual alarm

Upright type, Exterior made from structural plate, interior made from stainless steel,

Four units Caster are mounted under the bottom

Two-layer glass door, and inert gas inside. and lockable

Interior fluorescent lighting

Adjustable 4-5 units shelves made of quality steel wire

Forced air circulation system

Highly effective condenser and expansile evaporator to provide quick freezing

Optional: temperature printer or chart recorder



## SPECIFICATIONS

Model	REF11-520
Capacity	520 L
Temperature Range	2~8°C
Refrigerant	R134a, CFC free
Refrigeration System	International famous compressor and Germany EBM fan motor
Controller	Microprocessor Control with LCD Display
Alarms	High & low temperature alarm, Door open alarm, Sensor failure alarm
External Size	710x785x1975 mm
Package Size	870x990x2150 mm
Optional Accessories	Remote alarm system
Weight	120/140 Kgs
Power	300W
Power Supply	220V,50/ 60HZ, 110V,50/60HZ

# REF11-968 2°C-10°C MEDICAL REFRIGERATOR

Microprocessor controller, temperature ranging from +2°C to +8°C, can be set freely, controlling precision 1°C, display accuracy 0.1°C. Room temperature ranging from 0°C to 32°C

Combined with two exact sensors and one auto defrost sensor.

Audible and visual alarm

Door with heater to prevent ice collect

Upright type, Exterior and interior made from stainless steel, Four units Caster are mounted under the bottom

Two-layer glass door, and inert gas inside and lockable

Interior fluorescent lighting

8 units shelves made of quality steel wire

Forced air circulation system

Highly effective condenser and expansile evaporator to provide quick freezing

One unit of Germany Danfoss compressor and two units EBM fan motor

Standard: Temperature printer

Optional: 7 days inkless graphic temperature recorder



## SPECIFICATIONS

Model	REF11-968
Capacity	968 L
Temperature Range	2~8°C
Refrigerant	R134a, CFC free
Refrigeration System	International famous compressor and Germany EBM fan motor
Controller	Microprocessor Control with LCD Display
Alarms	High & low temperature alarm, Door AJAR alarm, Sensor failure alarm, Power failure alarm, Low battery alarm
External Size	780x1200x1894 mm
Package Size	885x1300x2165 mm
Optional Accessories	Remote alarm system
Weight	120/140 Kgs
Power	700W
Power Supply	220V,50/ 60HZ, 110V,50/60HZ

# REF11-1500 2°C-10°C MEDICAL REFRIGERATOR

Microprocessor controller, temperature ranging from +2°C to +8°C, can be set freely, controlling precision 1°C, display accuracy 0.1°C. Room temperature ranging from 0°C to 32°C

Combined with two exact sensors and auto defrost

Audible and visual alarm

Upright type, Exterior made from stainless steel, interior made from ABS material. Four units lockable Caster are mounted under the bottom

Two-layer glass door, and inert gas inside. and lockable

Interior fluorescent lighting

Adjustable 12 units shelves made of quality steel wire

Forced air circulation system

One unit of Germany Danfoss compressor and two units of EBM fan motor

Highly effective condenser and expansile evaporator to provide quick freezing

Optional: temperature printer or chart recorder, 7 days inkless graphic temperature recorder



## SPECIFICATIONS

Model	REF11-1500
Capacity	1500 L
Temperature Range	2~8°C
Refrigerant	R134a, CFC free
Refrigeration System	International famous compressor and Germany EBM fan motor
Controller	Microprocessor Control with LCD Display
Alarms	High & low temperature alarm, Door open alarm, Sensor failure alarm
External Size	748x1800x1965 mm
Package Size	920x1950x2140 mm
Optional Accessories	Remote alarm system, Chart recorder
Weight	230/260 Kgs
Power	830W
Power Supply	220V,50/ 60HZ, 110V,50/60HZ

# REF11-330 2°C-10°C MEDICAL REFRIGERATOR

Microprocessor controller, temperature ranging from +2°C to +8°C, can be set freely, controlling precision 1°C, display accuracy 0.1°C. Room temperature ranging from 0°C to 32°C

Combined with two exact sensors and auto defrost

Audible and visual alarm: High or low temperature alarm, Door open alarm, Sensor failure alarm

Upright type, Exterior and Interior body made from stainless steel material, Four units Caster are mounted under the bottom

Two-layer glass door, and inert gas inside. and lockable

Interior fluorescent lighting

Adjustable 4-5 units shelves made of quality steel wire

Forced air circulation system

Highly effective condenser and expansile evaporator to provide quick freezing

Optional: Chart recorder



## SPECIFICATIONS

Model	REF11-330
Capacity	330 L
Temperature Range	2~8°C
Refrigerant	R134a, CFC free
Refrigeration System	International famous compressor and Germany EBM fan motor
Shelves	Adjustable 4 units steel wire shelves
Internal Size	475x540x1335 mm
External Size	570x642x1940 mm
Weight	100 / 110 Kgs
Power	220 W
Power Supply	220V,50/ 60HZ, 110V,50/60HZ

# REF11-355 2°C-10°C MEDICAL REFRIGERATOR

Microprocessor controller, temperature ranging from +2°C to +8°C, can be set freely, controlling precision 1°C, display accuracy 0.1°C. Room temperature ranging from 0°C to 38°C

Combined with five exact sensors and auto defrost

Functions for compressor safety work when sensor failure

Audible and visual alarm: High or low temperature alarm, Door open alarm, Sensor failure alarm

Back up battery support recorder work and controller display

Upright type, Exterior is steel board with paint, internal body is made of stainless steel, Four units Caster are mounted under the bottom

Two-layer glass door with heater functions, inert gas inside. and lockable

Interior fluorescent lighting with switch control

Adjustable 7 units shelves made of quality steel wire

Forced air circulation system

Highly effective condenser and expansile evaporator to provide quick freezing

With temperature recorder, record 7 days data.

USB functions, can store 3 years data and download

Optional: Chart recorder



## SPECIFICATIONS

Model	REF11-355
Capacity	355 L
Temperature Range	2~8°C
Refrigerant	R134a, CFC free
Refrigeration System	International famous compressor and Germany EBM fan motor
Shelves	Adjustable 7 units steel wire shelves
Noise Level	47.6 dba
Internal Size	495x550x1350 mm
External Size	625x616x1960 mm
Weight	190 / 200 Kgs
Power	385 W
Power Supply	220V,50/ 60HZ, 110V,50/60HZ

# REF11-395 2°C-10°C MEDICAL REFRIGERATOR

Front opening lockable door with full height handle

Display accuracy to 0.1°C

Audible and Visual alarms: High and low temperature alarm, Sensor failure alarm, Door open alarm, Power failure alarm and low battery alarm.

Interior is made up of high quality ABS material, Exterior is of high quality structural steel, resistant to corrosion and easy to clean

keyboard lock and password protected to prevent the adjustment of the operating parameters

4 units Casters for easy handling

Equipped with back up battery, could support power for alarm and display system for 72 hours during power failure

2-layer glass door with heater to prevent from condensation, especially efficient in the area with high humidity.

Standard with USB interface for temperature data download



## SPECIFICATIONS

Model	REF11-395
Capacity	395 L
Temperature Range	2~8°C
Refrigerant	R600a
Refrigeration System	Huayi Compressor
Defrost Method	Auto Defrost
Controller	Microprocessor Control with LCD Display
Compressor	Huayi Compressor
Insulation	110 mm
Shelves	Adjustable 5 shelves +1 (Storage basket)
Internal Size	550x540x1415 mm
External Size	650x697x1815 mm
Weight	140 / 146 Kg
Power Supply	220V,50/ 60HZ, 110V,50/60HZ



# REF13 2°C-8°C MEDICAL 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  $0.1^{\circ}\text{C}$

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	REF13-60	REF13-236	REF13-315	REF13-415
Capacity	60 L	236 L	315 L	415 L
Temperature Range	2~8°C			
Ambient Temperature	10~32°C			
Refrigerant	R600a	R134a	R600a	
Defrost Method	Auto Defrost			
Controller	Microprocessor Control with digital Display			
Cooling Type	Forced air cooling			
Sensor	NTC			
Alarms	High/low temperature, Power failure, Thermostat failure, Door ajar			
Shelves	Shelves/2	Shelves/4	Shelves/5	
Noise Level	50 dB	46 dB	50 dB	
Internal Size	400x415x447 mm	500x420x1090 mm	540x425x1380 mm	685x429x1380 mm
External Size	480x450x535 mm	580x560x1785 mm	640x582x1880 mm	780x580x1920 mm
Package Size	555x505x610 mm	730x675x1915 mm	710x655x1960 mm	880x640x2100 mm
Accessories	Foot, 1/Glass/Low-E (outer door/type), Door Lockx1, Test hole 1/25mm, LED lamp, Power failure backup system(alarm) 8h	Foot, caster, outer doorx1, Door Lockx1, LED lamp, Power failure backup system(alarm) 8h	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	USB port, Temperature recorder, Remote alarm port, RS232/485 port	USB port, Temperature recorder, Remote alarm port, RS232/485 port, Test hole	Temperature recorder, RS232/485 port, Test hole	
Weight	22/24 kg	63/65 kg	92.5/100 kg	120/133 kg
Input/Average Power	1.2 kWh/24hrs	2.56 kWh/24hrs	1.64 kWh/24hrs	2.37 kWh/24hrs
Power	87 W	254 W	226 W	175 W
Power Supply	220/ 50Hz, 0.62 A	220/ 50Hz, 1.15 A	220/ 50Hz, 1.03 A	220/ 50Hz, 1.26 A

Model	REF13-656	REF13-1006	REF13-1500
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Capacity	656 L	1006 L	1500 L
Temperature Range	2~8°C		
Ambient Temperature	10~32°C		
Refrigerant	R600a		R134a
Defrost Method	Auto Defrost		
Controller	Microprocessor Control with digital Display		
Cooling Type	Forced air cooling		
Sensor	NTC		
Alarms	High/low temperature, Power failure, Thermostat failure, Door ajar		
Shelves	Shelves/10		Shelves/12
Noise Level	52 dB	53 dB	55 dB
Internal Size	1100x454x1325 mm	1100x684x1325 mm	-
External Size	1220x642x1885 mm	1220x872x1885 mm	1800x775x1965 mm
Package Size	1335x715x2050 mm	1330x940x1970 mm	1910x855x2155 mm
Accessories	Caster, 2/Heating glass door with automatic rebound, Door Lockx2, Test hole 1/25mm, LED lamp, Power failure backup system(alarm) 8h		Caster, 1/Glass door, Door Lockx3, LED lamp, Power failure backup system(alarm) 8h
Optional Accessories	Temperature recorder, USB port, RS232/485 port, Remote alarm port		Temperature recorder, RS232/485 port, Test hole, Remote alarm port
Weight	158/188 kg	207/237 kg	170/190 kg
Input/Average Power	5.75 kWh/24hrs	6.23 kWh/24hrs	8 kWh/24hrs
Power	310 W		1110 W
Power Supply	220/ 50Hz, 1.7 A	220/ 50Hz, 1.75 A	220/ 50Hz, 3.8 A



REF13-60



REF13-236



REF13-315



REF13-415



REF13-656



REF13-1006



REF13-1500



**Biozef**

82 Wendell Avenue, STE 100, Pittsfield, MA, 01201, USA

Email: [info@biozef.com](mailto:info@biozef.com) | Website: [biozef.com](http://biozef.com)