

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.

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

Also known as Laboratory Medical Refrigerator.

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°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	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	REF13-656	REF13-1006	REF13-1500
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		
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



REF13-60



REF13-236



REF13-315



REF13-415



REF13-656



REF13-1006



REF13-1500

REF13-100T 2°C-10°C MEDICAL REFRIGERATOR

Undercounter Mini type



SPECIFICATIONS

Model	REF13-100T
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

REF13-0100 2°C-10°C MEDICAL REFRIGERATOR

Foamed Door, Undercounter Mini type



SPECIFICATIONS

Model	REF13-0100
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

REF13 2°C-10°C MEDICAL REFRIGERATOR



SPECIFICATIONS

Model	REF13-0316	REF13-0416
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	



REF13-0316



REF13-0416

REF13-0415 2°C-10°C MEDICAL REFRIGERATOR

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



SPECIFICATIONS

Model	REF13-0415
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

LABSTAC

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