



COMBINED REFRIGERATOR AND FREEZER

COMBINED REFRIGERATOR AND FREEZER BFUD-40-502

-25°C COMBINED REFRIGERATOR & FREEZER



Microprocessor control, ensure good inner temperature uniformity, accuracy is 0.1°C
Double outside doors and two independent chambers.
HC green refrigerant is energy-saving and environmentally friendly.
Wide available voltage range: 220V±10%.
Security
Safety door lock and controller password to prevent unauthorized access.
Built-in backup battery to display temperature and alarms when power failure or system error.
Visual and audible alarm system.
Power failure protection: turn-on delay of the cooling system after power failure.

SPECIFICATIONS

Model	BFUD-40-502
Capacity	300L (Refrigerator:198L + Freezer:102L)
Temperature Range	Freezer: -10 ~ -25°C; Refrigerator: 2 ~ 8°C
Ambient Temperature	10~32°C
Interior Dimensions (WxDxH) mm	R: 565x480x759; F: 461x465x600
Exterior Dimensions (WxDxH) mm	650x620x1980
Weight	100 kgs
Noise	49 dB
Controller	Microprocessor
Display	Digital
Sensor	NTC
Voltage and Frequency	220V±10%, 50/60Hz
Power	349 W
Electric Current	2.5 A
Power Consumption (kWh/24h)	3.3
High / Low Temp. Alarm	Yes
Power Failure Alarm	Yes, 8h
Sensor Error Alarm	Yes
Controller Error Alarm	Yes
Door Ajar Alarm	Yes
Refrigeration Type	R: Forced-air Cooling; F: Direct Cooling
Defrost	R: Auto; F: Manual
Compressor (Brand/pcs)	Chinese Brand / 2
Refrigerant / Weight	R290 / 74g
Door (pcs)	Foamed Solid Door / 2
Shelf (pcs)	4
Drawer (pcs)	4
Interior Cabinet Material	ABS
Exterior Cabinet Material	Coated Steel
Insulation Material	R: PURF (δ40mm); F: PURF (δ90mm)
Door Lock	Yes

LED Lamp	R: Yes; F: -
Test Hole (pcs)	2
Castors (pcs)	4
Leveling Feet (pcs)	2
Temperature Datalogger	Optional
Package	Carton box with pallet
Shipping Weight	120 kgs
Shipping Size (WxDxH)	725x700x2120
Shipping Volume	1.08 CBM
Alt Name	-25°C Combined Refrigerator & Freezer



FEATURES

Microprocessor control, ensure good inner temperature uniformity, accuracy is 0.1°C

Double outside doors and two independent chambers.

HC green refrigerant is energy-saving and environmentally friendly.

Wide available voltage range: 220V±10%.

Security

Safety door lock and controller password to prevent unauthorized access.

Built-in backup battery to display temperature and alarms when power failure or system error.

Visual and audible alarm system.

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 the controller or two sensors fail.

Humanized design

Adjustable shelves (Refrigerator) and drawers (Freezer) for easy storage.

Auto on/off LED light with manual switch on the control panel (Only for refrigerator).

Auto on/off cooling fan to prevent cold air from leaking out when the door is opening(Only for refrigerator).

Castors and adjustable feet for easy moving and fixation.

APPLICATIONS

Combined Refrigerator & Freezer are specially designed to store medicines, vaccines, blood plasma, reagents, and many other biological materials which are widely used in research institutions, clinics, and electronic and medical fields.

COMBINED REFRIGERATOR AND FREEZER BJX-1001

-25°C/4°C COMBINED REFRIGERATOR AND FREEZER



Safety Control

Malfunction alarms: high temperature alarm, low temperature alarm, Power failure alarm, Door jammed, low voltage of backup battery.

Over temperature alarm system, set the alarm temperature as requirements.

Three alarming methods: buzzer alarming, digital flashing alarming and Remote alarm.

Protection function: power-on delay, time between stops.

Refrigeration System

Highly efficient famous brand compressor and fan, with a high efficient refrigeration effect.

Forced-Air Circulation for large airflow with special air ducts to guarantee inner temperature consistency.

SPECIFICATIONS

Model	BJX-1001
Capacity	270L (Refrigerator:170L + Freezer:100L)
Temperature range	Refrigerator: 2~8; Freezer:-10~-25
Cabinet Type	Upright
Climate Class	N
Cooling Type	Refrigerator: Forced air cooling; Freezer: Direct cooling
Defrost Mode	Refrigerator: Auto; Freezer: Manual
Refrigerant	R600a
Cooling performance(°C)	4/-25
Power Supply(V/HZ)	220/50
Power(W)	215
Power Consumption(kwh/24h)	2.8
Interior	Aluminum powder coating(White)
Exterior	Galvanized steel powder coating(White)
Controller	Microprocessor
Display	LED
Interior Dimensions(W*D*H)	Refrigerator: 500x460x730mm;Freezer: 500x460x445mm
Exterior Dimensions(W*D*H)	650x650x1860mm
Foaming thickness	50mm
High/Low Temperature Alarm	Yes
Sensor Failure Alarm	Yes
Door Open Alarm	Yes
Door lock	Yes
Inner LED light	Refrigerator: Yes; Freezer: No
Remote alarm contact	Yes
Caster	Yes
Shelves	Refrigerator:3; Freezer:2
Glass Door	optional
Temperature Recorder	optional
Alt Name	-25°C/4°C Combined Refrigerator And Freezer

FEATURES

Safety Control

Malfunction alarms: high temperature alarm, low temperature alarm, Power failure alarm, Door jammed, low voltage of backup battery.

Over temperature alarm system, set the alarm temperature as requirements.

Three alarming methods: buzzer alarming, digital flashing alarming and Remote alarm.

Protection function: power-on delay, time between stops.

Refrigeration System

Highly efficient famous brand compressor and fan, with a high efficient refrigeration effect.

Forced-Air Circulation for large airflow with special air ducts to guarantee inner temperature consistency.

Large area of the evaporator design, cooling strong and high temperature uniformity, While effectively suppressing frost, reducing defrosting process.

CFC-Free/HCFC refrigerant.

Ergonomic Design

Safety door lock, preventing unauthorized access.

Auto defrost function guarantees a good performance in high ambient temperature and humidity area.

Wide voltage design from 192V to 242V.

Inner LED lighting and caster design.

Adjustable shelves design.

No condensation glass door.

Foaming door is optional.

Stopper on rear against back wall.

COMBINED REFRIGERATOR AND FREEZER BFUD-25-301

-25°C COMBINED REFRIGERATOR & FREEZER



Microprocessor control, ensure good inner temperature uniformity, accuracy is 0.1°C

Double outside doors and two independent chambers.

HC green refrigerant is energy-saving and environmentally friendly.

Wide available voltage range: 220V±10%.

Security

Safety door lock and controller password to prevent unauthorized access.

Built-in backup battery to display temperature and alarms when power failure or system error.

Visual and audible alarm system.

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

SPECIFICATIONS

Model	BFUD-25-301
Capacity	368L (Refrigerant:189L + Freezer:179L)
Temperature Range	Freezer: -10 ~ -25°C; Refrigerant: 2 ~ 8°C
Ambient Temperature	10~32°C
Interior Dimensions (WxDxH) mm	R: 580x626x625; F: 466x636x625
Exterior Dimensions (WxDxH) mm	720x830x1870
Weight	140 kgs
Noise	50 dB
Controller	Microprocessor

Display	Digital
Sensor	NTC
Voltage and Frequency	220V±10%, 50/60Hz
Power	363 W
Electric Current	2.81 A
Power Consumption (kWh/24h)	4.38
High / Low Temp. Alarm	Yes
Power Failure Alarm	Yes, 8h
Sensor Error Alarm	Yes
Controller Error Alarm	Yes
Door Ajar Alarm	Yes
Abnormal Ambient Temp. Alarm	Yes
Refrigeration Type	R: Forced-air Cooling; F: Direct Cooling
Defrost	R: Auto; F: Manual
Compressor (Brand/pcs)	Chinese Brand / 2
Refrigerant / Weight	R290 / 74g
Door (pcs)	R: Foamed Glass Door / 1; F: Foamed Solid Door / 1
Shelf (pcs)	5
Drawer (pcs)	6
Interior Cabinet Material	Coated Steel
Exterior Cabinet Material	Coated Steel
Insulation Material	R: PURF (δ38mm); F: PURF (δ95mm)
Door Lock	Yes
LED Lamp	R: Yes; F: -
Test Hole (pcs)	2
Castors (pcs)	4
Leveling Feet (pcs)	2
USB Data Download Port	Yes
Remote Alarm Port	Yes
RS485 Port	Optional
Temperature Datalogger	Optional
Temperature Printer	Optional
Package	Carton box with pallet
Shipping Weight	170 kgs
Shipping Size (WxDxH)	780x920x2000
Shipping Volume	1.51 CBM
Alt Name	-25°C Combined Refrigerator & Freezer



FEATURES

Microprocessor control, ensure good inner temperature uniformity, accuracy is 0.1°C

Double outside doors and two independent chambers.

HC green refrigerant is energy-saving and environmentally friendly.

Wide available voltage range: 220V±10%.

Security

Safety door lock and controller password to prevent unauthorized access.

Built-in backup battery to display temperature and alarms when power failure or system error.

Visual and audible alarm system.

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 the controller or two sensors fail.

Humanized design

Adjustable shelves (Refrigerator) and drawers (Freezer) for easy storage.

Auto on/off LED light with manual switch on the control panel (Only for refrigerator).

Auto on/off cooling fan to prevent cold air from leaking out when the door is opening(Only for refrigerator).

Casters and adjustable feet for easy moving and fixation.

APPLICATIONS

Combined Refrigerator & Freezer are specially designed to store medicines, vaccines, blood plasma, reagents, and many other biological materials which are widely used in research institutions, clinics, and electronic and medical fields.

COMBINED REFRIGERATOR AND FREEZER BFUD-40-501

-40°C COMBINED REFRIGERATOR & FREEZER



Microprocessor control, ensure good inner temperature uniformity, accuracy is 0.1°C

Double outside doors and two independent chambers.

HC green refrigerant is energy-saving and environmentally friendly.

Wide available voltage range: 220V±10%.

Security

Safety door lock and controller password to prevent unauthorized access.

Built-in backup battery to display temperature and alarms when power failure or system error.

Visual and audible alarm system.

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

SPECIFICATIONS

Model	BFUD-40-501
Capacity	368L (Refrigerant:189L + Freezer:179L)
Temperature Range	Freezer: -20 ~ -40°C; Refrigerant: 2 ~ 8°C
Ambient Temperature	10~32°C
Interior Dimensions (WxDxH) mm	R: 580x626x625; F: 466x636x625
Exterior Dimensions (WxDxH) mm	720x830x1870
Weight	135 kgs
Noise	50 dB
Controller	Microprocessor

Display	Digital
Sensor	NTC
Voltage and Frequency	220V±10%, 50/60Hz
Power	458 W
Electric Current	2.45 A
Power Consumption (kWh/24h)	6.9
High / Low Temp. Alarm	Yes
Power Failure Alarm	Yes, 8h
Sensor Error Alarm	Yes
Controller Error Alarm	Yes
Door Ajar Alarm	Yes
Abnormal Ambient Temp. Alarm	Yes
Refrigeration Type	R: Forced-air Cooling; F: Direct Cooling
Defrost	R: Auto; F: Manual
Compressor (Brand/pcs)	Chinese Brand / 2
Refrigerant / Weight	R290 / 78g
Door (pcs)	R: Foamed Glass Door / 1; F: Foamed Solid Door / 1
Shelf (pcs)	5
Drawer (pcs)	6
Interior Cabinet Material	Coated Steel
Exterior Cabinet Material	Coated Steel
Insulation Material	R: PURF (δ38mm); F: PURF (δ95mm)
Door Lock	Yes
LED Lamp	R: Yes; F: -
Test Hole (pcs)	2
Castors (pcs)	4
Leveling Feet (pcs)	2
USB Data Download Port	Yes
Remote Alarm Port	Yes
RS485 Port	Optional
Temperature Datalogger	Optional
Temperature Printer	Optional
Package	Carton box with pallet
Shipping Weight	175 kgs
Shipping Size (WxDxH)	780x920x1990
Shipping Volume	1.51 CBM
Alt Name	-40°C Combined Refrigerator & Freezer



FEATURES

Microprocessor control, ensure good inner temperature uniformity, accuracy is 0.1°C

Double outside doors and two independent chambers.

HC green refrigerant is energy-saving and environmentally friendly.

Wide available voltage range: 220V±10%.

Security

Safety door lock and controller password to prevent unauthorized access.

Built-in backup battery to display temperature and alarms when power failure or system error.

Visual and audible alarm system.

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 the controller or two sensors fail.

Humanized design

Adjustable shelves (Refrigerator) and drawers (Freezer) for easy storage.

Auto on/off LED light with manual switch on the control panel (Only for refrigerator).

Auto on/off cooling fan to prevent cold air from leaking out when the door is opening(Only for refrigerator).

Casters and adjustable feet for easy moving and fixation.

APPLICATIONS

Combined Refrigerator & Freezer are specially designed to store medicines, vaccines, blood plasma, reagents, and many other biological materials which are widely used in research institutions, clinics, and electronic and medical fields.

COMBINED REFRIGERATOR AND FREEZER BEZ-1401

-25°C COMBINED REFRIGERATOR & FREEZER



Microprocessor control, ensure good inner temperature uniformity, accuracy is 0.1°C

Double outside doors and two independent chambers.

HC green refrigerant is energy-saving and environmentally friendly.

Wide available voltage range: 220V±10%.

Security

Safety door lock and controller password to prevent unauthorized access.

Built-in backup battery to display temperature and alarms when power failure or system error.

Visual and audible alarm system.

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

SPECIFICATIONS

Model	BEZ-1401
Capacity	528L (Refrigerant:273L + Freezer:255L)
Temperature Range	Freezer: -10 ~ -25°C; Refrigerant: 2 ~ 8°C
Ambient Temperature	10~32°C
Interior Dimensions (WxDxH) mm	R: 765x640x635; F: 651x636x635
Exterior Dimensions (WxDxH) mm	900x818x1870
Weight	168 kgs
Noise	50 dB
Controller	Microprocessor

Display	Digital
Sensor	NTC
Voltage and Frequency	220V±10%, 50/60Hz
Power	431 W
Electric Current	2.9 A
Power Consumption (kWh/24h)	5.56
High / Low Temp. Alarm	Yes
Power Failure Alarm	Yes, 8h
Sensor Error Alarm	Yes
Controller Error Alarm	Yes
Door Ajar Alarm	Yes
Abnormal Ambient Temp. Alarm	Yes
Refrigeration Type	R: Forced-air Cooling; F: Direct Cooling
Defrost	R: Auto; F: Manual
Compressor (Brand/pcs)	Chinese Brand / 2
Refrigerant / Weight	R290 / 86g
Door (pcs)	R: Foamed Glass Door / 1; F: Foamed Solid Door / 1
Shelf (pcs)	5
Drawer (pcs)	9
Interior Cabinet Material	Coated Steel
Exterior Cabinet Material	Coated Steel
Insulation Material	R: PURF (δ38mm); F: PURF (δ95mm)
Door Lock	Yes
LED Lamp	R: Yes; F: -
Test Hole (pcs)	2
Castors (pcs)	4
Leveling Feet (pcs)	2
USB Data Download Port	Yes
Remote Alarm Port	Yes
RS485 Port	Optional
Temperature Datalogger	Optional
Temperature Printer	Optional
Temperature Chart Recorder	Optional
Package	Carton box with pallet
Shipping Weight	198 kgs
Shipping Size (WxDxH)	930x980x2020
Shipping Volume	1.84 CBM
Alt Name	-25°C Combined Refrigerator & Freezer



FEATURES

Microprocessor control, ensure good inner temperature uniformity, accuracy is 0.1°C

Double outside doors and two independent chambers.

HC green refrigerant is energy-saving and environmentally friendly.

Wide available voltage range: 220V±10%.

Security

Safety door lock and controller password to prevent unauthorized access.

Built-in backup battery to display temperature and alarms when power failure or system error.

Visual and audible alarm system.

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 the controller or two sensors fail.

Humanized design

Adjustable shelves (Refrigerator) and drawers (Freezer) for easy storage.

Auto on/off LED light with manual switch on the control panel (Only for refrigerator).

Auto on/off cooling fan to prevent cold air from leaking out when the door is opening(Only for refrigerator).

Casters and adjustable feet for easy moving and fixation.

APPLICATIONS

Combined Refrigerator & Freezer are specially designed to store medicines, vaccines, blood plasma, reagents, and many other biological materials which are widely used in research institutions, clinics, and electronic and medical fields.

COMBINED REFRIGERATOR AND FREEZER BEZ-1601

-40°C COMBINED REFRIGERATOR & FREEZER



Microprocessor control, ensure good inner temperature uniformity, accuracy is 0.1°C

Double outside doors and two independent chambers.

HC green refrigerant is energy-saving and environmentally friendly.

Wide available voltage range: 220V±10%.

Security

Safety door lock and controller password to prevent unauthorized access.

Built-in backup battery to display temperature and alarms when power failure or system error.

Visual and audible alarm system.

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

SPECIFICATIONS

Model	BEZ-1601
Capacity	528L (Refrigerant: 273L + Freezer:255L)
Temperature Range	Freezer: -20 ~ -40°C; Refrigerant: 2 ~ 8°C
Ambient Temperature	10~32°C
Interior Dimensions (WxDxH) mm	R: 765x640x635; F: 651x636x635
Exterior Dimensions (WxDxH) mm	900x818x1870
Weight	174 kgs
Noise	50 dB
Controller	Microprocessor

Display	Digital
Sensor	NTC
Voltage and Frequency	220V±10%, 50/60Hz
Power	527 W
Electric Current	3.02 A
Power Consumption (kWh/24h)	7.06
High / Low Temp. Alarm	Yes
Power Failure Alarm	Yes, 8h
Sensor Error Alarm	Yes
Controller Error Alarm	Yes
Door Ajar Alarm	Yes
Abnormal Ambient Temp. Alarm	Yes
Refrigeration Type	R: Forced-air Cooling; F: Direct Cooling
Defrost	R: Auto; F: Manual
Compressor (Brand/pcs)	Chinese Brand / 2
Refrigerant / Weight	R290 / 84g
Door (pcs)	R: Foamed Glass Door / 1; F: Foamed Solid Door / 1
Shelf (pcs)	5
Drawer (pcs)	9
Interior Cabinet Material	Coated Steel
Exterior Cabinet Material	Coated Steel
Insulation Material	R: PURF (δ38mm); F: PURF (δ95mm)
Door Lock	Yes
LED Lamp	R: Yes; F: -
Test Hole (pcs)	2
Castors (pcs)	4
Leveling Feet (pcs)	2
USB Data Download Port	Yes
Remote Alarm Port	Yes
RS485 Port	Optional
Temperature Datalogger	Optional
Temperature Printer	Optional
Temperature Chart Recorder	Optional
Package	Carton box with pallet
Shipping Weight	204 kgs
Shipping Size (WxDxH)	930x980x2020
Shipping Volume	1.84 CBM
Alt Name	-40°C Combined Refrigerator & Freezer



FEATURES

Microprocessor control, ensure good inner temperature uniformity, accuracy is 0.1°C

Double outside doors and two independent chambers.

HC green refrigerant is energy-saving and environmentally friendly.

Wide available voltage range: 220V±10%.

Security

Safety door lock and controller password to prevent unauthorized access.

Built-in backup battery to display temperature and alarms when power failure or system error.

Visual and audible alarm system.

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 the controller or two sensors fail.

Humanized design

Adjustable shelves (Refrigerator) and drawers (Freezer) for easy storage.

Auto on/off LED light with manual switch on the control panel (Only for refrigerator).

Auto on/off cooling fan to prevent cold air from leaking out when the door is opening(Only for refrigerator).

Casters and adjustable feet for easy moving and fixation.

APPLICATIONS

Combined Refrigerator & Freezer are specially designed to store medicines, vaccines, blood plasma, reagents, and many other biological materials which are widely used in research institutions, clinics, and electronic and medical fields.



Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: info@biolabscientific.com | Website: www.biolabscientific.com