





# BIOSAFETY TRANSPORT BOX BEZ1BC1 (BTBT-202)





## **BIOSAFETY TRANSPORT BOX BEZ1BC1**

-25°C BIOMEDICAL PORTABLE COOLER



Accurate microprocessor controller especially for biomedical use and resolution of 0.1  $^{\circ}\text{C}.$ 

Suggested ambient temperature: +10~32°C.

Integrated and strong PE body to resist impact and corrosion.

High-efficiency air cooling system to ensure good temperature uniformity.

Auto switch cooling and heating system to ensure the inside temperature in a

Auto switch cooling and heating system to ensure the inside temperature in all climatic conditions.

Wide voltage design, able to be used when the voltage is between 220V  $\pm 10\%$  AC and 12V DC.

Security

Standard protective basket to prevent the samples from being frozen off by the evaporator.

## **SPECIFICATIONS**

Old Model         BTBT-202           Temperature Range         -25 ~ +30°C           Ambient Temperature         10~32°C           Capacity (L / Cu. Ft.)         80 / 2.83           Interior Dimensions (WxDxH) mm         547×378×370           Exterior Dimensions (WxDxH) mm         937×565×581           Weight         47 kgs           Noise         46 dB           Controller         Microprocessor           Display         Digital           Sensor         NTC           Voltage and Frequency         AC 220V±10%, 50/60Hz; DC 12V           Power         100 W           Electric Current         DC 8 A           Power Consumption (kWh/24h)         1.6           High / Low Temp. Alarm         Yes           Power Failure Alarm         Yes, 8h           Sensor Error Alarm         Yes           Controller Error Alarm         Yes           Controller Error Alarm         Yes           Pefrost         Manual           Compressor (Brand/pcs)         Chinese Brand / 1           Refrigerant / Weight         R134a / 65g           Door (pcs)         PE Foamed Solid Door / 1           Interior Cabinet Material         PE	Model	BEZ1BC1
Ambient Temperature 10~32°C Capacity (L / Cu. Ft.) 80 / 2.83 Interior Dimensions (WxDxH) mm 547x378x370 Exterior Dimensions (WxDxH) mm 937x565x581 Weight 47 kgs Noise 46 dB Controller Microprocessor Display Digital Sensor NTC Voltage and Frequency AC 220V±10%, 50/60Hz; DC 12V Power 100 W Electric Current DC 8 A Power Consumption (kWh/24h) 1.6 High / Low Temp. Alarm Yes Power Failure Alarm Yes Controller Fror Alarm Yes Controller Fror Alarm Yes Controller Fror Alarm Yes Defrost Manual Compressor (Brand/pcs) Chinese Brand / 1 Refrigerant / Weight R134a / 65g Door (pcs) PE Foamed Solid Door / 1 Interior Cabinet Material	Old Model	BTBT-202
Capacity (L / Cu. Ft.)  Interior Dimensions (WxDxH) mm  S47x378x370  Exterior Dimensions (WxDxH) mm  937x565x581  Weight  47 kgs  Noise  46 dB  Controller  Microprocessor  Display  Digital  Sensor  NTC  Voltage and Frequency  Power  100 W  Electric Current  DC 8 A  Power Consumption (kWh/24h)  1.6  High / Low Temp. Alarm  Yes  Power Failure Alarm  Yes, 8h  Sensor Gror Alarm  Yes  Controller Fror Alarm  Yes  Refrigeration Type  Forced-air Cooling  Defrost  Manual  Compressor (Brand/pcs)  Chinese Brand / 1  Refrigerant / Weight  NE Foamed Solid Door / 1  Interior Cabinet Material	Temperature Range	-25 ~ +30°C
Interior Dimensions (WxDxH) mm 547x378x370  Exterior Dimensions (WxDxH) mm 937x565x581  Weight 47 kgs  Noise 46 dB  Controller Microprocessor  Display Digital  Sensor NTC  Voltage and Frequency AC 220V±10%, 50/60Hz; DC 12V  Power 100 W  Electric Current DC 8 A  Power Consumption (kWh/24h) 1.6  High / Low Temp. Alarm Yes  Power Failure Alarm Yes, 8h  Sensor Error Alarm Yes  Refrigeration Type Forced-air Cooling  Defrost Manual  Compressor (Brand/pcs) Chinese Brand / 1  Refrigerant / Weight R134a / 65g  Door (pcs) PE Foamed Solid Door / 1  Interior Cabinet Material	Ambient Temperature	10~32°C
Exterior Dimensions (WxDxH) mm  Weight  47 kgs  Noise  46 dB  Controller  Microprocessor  Display  Digital  Sensor  NTC  Voltage and Frequency  AC 220V±10%, 50/60Hz; DC 12V  Power  100 W  Electric Current  DC 8 A  Power Consumption (kWh/24h)  1.6  High / Low Temp. Alarm  Yes  Power Failure Alarm  Yes, 8h  Sensor Error Alarm  Yes  Controller Error Alarm  Yes  Refrigeration Type  Forced-air Cooling  Defrost  Manual  Compressor (Brand/pcs)  Chinese Brand / 1  Refrigerant / Weight  Door (pcs)  PE Foamed Solid Door / 1  Interior Cabinet Material	Capacity (L / Cu. Ft.)	80 / 2.83
Weight       47 kgs         Noise       46 dB         Controller       Microprocessor         Display       Digital         Sensor       NTC         Voltage and Frequency       AC 220V±10%, 50/60Hz; DC 12V         Power       100 W         Electric Current       DC 8 A         Power Consumption (kWh/24h)       1.6         High / Low Temp. Alarm       Yes         Power Failure Alarm       Yes, 8h         Sensor Error Alarm       Yes         Controller Error Alarm       Yes         Refrigeration Type       Forced-air Cooling         Defrost       Manual         Compressor (Brand/pcs)       Chinese Brand / 1         Refrigerant / Weight       R134a / 65g         Door (pcs)       PE Foamed Solid Door / 1         Interior Cabinet Material       PE	Interior Dimensions (WxDxH) mm	547x378x370
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Controller Microprocessor  Display Digital  Sensor NTC  Voltage and Frequency AC 220V±10%, 50/60Hz; DC 12V  Power 100 W  Electric Current DC 8 A  Power Consumption (kWh/24h) 1.6  High / Low Temp. Alarm Yes  Power Failure Alarm Yes, 8h  Sensor Error Alarm Yes  Controller Error Alarm Yes  Refrigeration Type Forced-air Cooling  Defrost Manual  Compressor (Brand/pcs) Chinese Brand / 1  Refrigerant / Weight R134a / 65g  Door (pcs) PE Foamed Solid Door / 1  Interior Cabinet Material	Weight	47 kgs
Display  Digital  Sensor  NTC  Voltage and Frequency  AC 220V±10%, 50/60Hz; DC 12V  Power  100 W  Electric Current  DC 8 A  Power Consumption (kWh/24h)  1.6  High / Low Temp. Alarm  Yes  Power Failure Alarm  Yes, 8h  Sensor Error Alarm  Yes  Controller Error Alarm  Yes  Refrigeration Type  Forced-air Cooling  Defrost  Manual  Compressor (Brand/pcs)  Chinese Brand / 1  Refrigerant / Weight  R134a / 65g  Door (pcs)  PE Foamed Solid Door / 1  Interior Cabinet Material	Noise	46 dB
Sensor NTC  Voltage and Frequency AC 220V±10%, 50/60Hz; DC 12V  Power 100 W  Electric Current DC 8 A  Power Consumption (kWh/24h) 1.6  High / Low Temp. Alarm Yes  Power Failure Alarm Yes, 8h  Sensor Error Alarm Yes  Controller Error Alarm Yes  Refrigeration Type Forced-air Cooling  Defrost Manual  Compressor (Brand/pcs) Chinese Brand / 1  Refrigerant / Weight R134a / 65g  Door (pcs) PE Foamed Solid Door / 1  Interior Cabinet Material	Controller	Microprocessor
Voltage and Frequency  Power  100 W  Electric Current  DC 8 A  Power Consumption (kWh/24h)  High / Low Temp. Alarm  Power Failure Alarm  Yes  Power Failure Alarm  Yes  Controller Error Alarm  Pefrigeration Type  Defrost  Compressor (Brand/pcs)  English Alarm  Refrigerant / Weight  Door (pcs)  RE A  AC 220V±10%, 50/60Hz; DC 12V  Pes  A A  Power Consumption (kWh/24h)  1.6  Yes  Yes  Pes  Power Failure Alarm  Yes  Forced-air Cooling  Manual  Compressor (Brand/pcs)  Chinese Brand / 1  R134a / 65g  PE Foamed Solid Door / 1  Interior Cabinet Material	Display	Digital
Power 100 W Electric Current DC 8 A Power Consumption (kWh/24h) 1.6 High / Low Temp. Alarm Yes Power Failure Alarm Yes, 8h Sensor Error Alarm Yes Controller Error Alarm Yes Refrigeration Type Forced-air Cooling Defrost Manual Compressor (Brand/pcs) Chinese Brand / 1 Refrigerant / Weight R134a / 65g Door (pcs) PE Foamed Solid Door / 1 Interior Cabinet Material	Sensor	NTC
Electric Current DC 8 A Power Consumption (kWh/24h) 1.6 High / Low Temp. Alarm Yes Power Failure Alarm Yes, 8h Sensor Error Alarm Yes Controller Error Alarm Yes Refrigeration Type Forced-air Cooling Defrost Manual Compressor (Brand/pcs) Chinese Brand / 1 Refrigerant / Weight R134a / 65g Door (pcs) PE Foamed Solid Door / 1 Interior Cabinet Material PE	Voltage and Frequency	AC 220V±10%, 50/60Hz; DC 12V
Power Consumption (kWh/24h)  High / Low Temp. Alarm  Yes  Power Failure Alarm  Yes, 8h  Sensor Error Alarm  Yes  Controller Error Alarm  Yes  Refrigeration Type  Forced-air Cooling  Defrost  Compressor (Brand/pcs)  Refrigerant / Weight  Refrigerant / Weight  Door (pcs)  PE Foamed Solid Door / 1  Interior Cabinet Material	Power	100 W
High / Low Temp. Alarm  Power Failure Alarm  Yes, 8h  Sensor Error Alarm  Yes  Controller Error Alarm  Yes  Refrigeration Type  Defrost  Compressor (Brand/pcs)  Refrigerant / Weight  Door (pcs)  Interior Cabinet Material  Yes  Forced-air Cooling  Manual  Chinese Brand / 1  R134a / 65g  PE Foamed Solid Door / 1  PE	Electric Current	DC 8 A
Power Failure Alarm Yes, 8h  Sensor Error Alarm Yes  Controller Error Alarm Yes  Refrigeration Type Forced-air Cooling  Defrost Manual  Compressor (Brand/pcs) Chinese Brand / 1  Refrigerant / Weight R134a / 65g  Door (pcs) PE Foamed Solid Door / 1  Interior Cabinet Material PE	Power Consumption (kWh/24h)	1.6
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Controller Error Alarm  Refrigeration Type  Defrost  Compressor (Brand/pcs)  Refrigerant / Weight  Door (pcs)  Interior Cabinet Material  Yes  Forced-air Cooling  Manual  Chinese Brand / 1  R134a / 65g  PE Foamed Solid Door / 1  PE	Power Failure Alarm	Yes, 8h
Refrigeration Type Forced-air Cooling Defrost Manual Compressor (Brand/pcs) Chinese Brand / 1 Refrigerant / Weight R134a / 65g Door (pcs) PE Foamed Solid Door / 1 Interior Cabinet Material PE	Sensor Error Alarm	Yes
DefrostManualCompressor (Brand/pcs)Chinese Brand / 1Refrigerant / WeightR134a / 65gDoor (pcs)PE Foamed Solid Door / 1Interior Cabinet MaterialPE	Controller Error Alarm	Yes
Compressor (Brand/pcs)Chinese Brand / 1Refrigerant / WeightR134a / 65gDoor (pcs)PE Foamed Solid Door / 1Interior Cabinet MaterialPE	Refrigeration Type	Forced-air Cooling
Refrigerant / Weight R134a / 65g  Door (pcs) PE Foamed Solid Door / 1  Interior Cabinet Material PE	Defrost	Manual
Door (pcs)  PE Foamed Solid Door / 1  Interior Cabinet Material  PE	Compressor (Brand/pcs)	Chinese Brand / 1
Interior Cabinet Material PE	Refrigerant / Weight	R134a / 65g
	Door (pcs)	PE Foamed Solid Door / 1
	Interior Cabinet Material	PE
Exterior Cabinet Material PE	Exterior Cabinet Material	PE
Insulation Material PURF (δ80mm)	Insulation Material	PURF (δ80mm)
Remote Alarm Port Optional	Remote Alarm Port	Optional
Temperature Datalogger Optional	Temperature Datalogger	Optional
Package Carton box	Package	Carton box
Shipping Weight 55 kgs	Shipping Weight	55 kgs
Shipping Size (WxDxH) mm 1000x640x640	Shipping Size (WxDxH) mm	1000x640x640

Shipping Volume	0.41 CBM
Alt Name	-25°C Biomedical Portable Cooler





### **FEATURES**

Accurate microprocessor controller especially for biomedical use and resolution of 0.1°C.

Suggested ambient temperature: +10~32°C.

Integrated and strong PE body to resist impact and corrosion.

High-efficiency air cooling system to ensure good temperature uniformity.

Auto switch cooling and heating system to ensure the inside temperature in all climatic conditions.

Wide voltage design, able to be used when the voltage is between 220V±10% AC and 12V DC.

#### Security

Standard protective basket to prevent the samples from being frozen off by the evaporator.

Built-in backup battery to power the controller and save temp. data 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.

#### **APPLICATIONS**

Biomedical portable coolers are specially designed to store and transport blood, serum, plasma, vaccines, reagents, and special medicines for epidemic prevention stations, blood banks, health centers, CDC, animal husbandry bureau, army, and pharmaceutical companies.



#### Biolab Scientific Ltd.