

LN₂ Backup System

An LN₂ backup cooling system is an independent refrigeration system for a ULT freezer. When there is a loss of power or the temperature of the freezer rises to the high alarm set point, the LN₂ backup system can be automatically activated to inject LN₂ into the chamber to maintain the freezer temperature. The backup system operates on a rechargeable battery when there is a loss of main power.



Bright LED Display



Front-mounted Control Panel



Side Grille



Features

- Interlocked design to turn off the LN₂ injection when the door is opened
- Protection circuit to prevent over-charging battery
- Light weight and portable design, suitable for installation on top of a freezer
- Alarm functions to include low battery and sensor error

Model		HBX-IIA	HBX-II
Technical Data	Cabinet Type	Horizontal	
	Cooling Type	Direct cooling	
	Refrigerant	LN ₂	
Performance	Cooling performance(°C)	-135	
	Temperature Range(°C)	-90~-135	
Control	Controller	Thermostat	
	Display	LED	
Electrical Data	Power Supply (V/Hz)	220-240/50	208-230/60 115/60
	Power (W)	20	
	Electrical Current (A)	0.05	
Dimensions	Net/Gross Weight (approx)	15/17(kg)	
		33.1/37.5(lbs)	
	Exterior Dimensions (W*D*H)	360*305*445(mm)	
		14.2*12.0*17.5(in)	
	Packing Dimensions (W*D*H)	417*357*698(mm)	
		16.4*14.1*27.5(in)	
Functions	Low Battery Alarm	Y	
	Sensor Error Alarm	Y	
	Main Power Off Alarm	Y	
	Charge Indicator	Y	
Others	Certification	CE	UL

Product appearance and specifications are subject to change without notice