

ZBF100DC BLOOD BANK REFRIGERATOR – SOLAR DIRECT DRIVE WITH SURECHILL® TECHNOLOGY




ZERO
 A P P L I A N C E S

Application:	Blood Bank Refrigerator
Type of appliance	Ice lined (water lined) Solar direct drive refrigerator
Manufactured in	South Africa
Cold Chain Compliant	YES
IEC 60335 Compliant	YES

Specifications

Gross Volume (L)	124
Blood Bag Storage	52 x 450ml Blood Bags
Hot Zone Appliance (+43°C)	YES
Refrigerant	R600a (CFC Free)
Min rated ambient temp	+5°C
Energy Source	Solar direct drive
Fuel and cycle type	Electric – compression
Temperature Indicator	External Solar thermometer
Temp Range	2°C to 6°C



Energy Source (as per ZLF100DC) 370-500 Wp array at 3.5kWh/m2/day at 43°C

For solar direct drive units, the correct sizing of the solar panel array for a specific site is complex and critical. It must be agreed with both the appliance manufacturer and with the qualified supplier of the solar energy system at the time of ordering.

Performance Information

Hold Over Time (to 6°C)	> 72 Hours	
Cooldown time 32°C	Full Load	Half Load
(Bloodbags stable at 37°C)	18 hours	9 hours

*** **Sure Chill** ® Technology guarantees that blood cannot and will not freeze within rated temperatures (+5°C to +43°C)

Temperature Control

Temperature accuracy is exceptionally high; temperature varies by less than 1°C throughout the refrigerated compartment during compressor cycling and holdover.

Accessories

Optional Extras

Liquid PCM to mix with water
 Drawers, Plywood packaging, 2 padlocks

Dimensions

Unboxed Dimensions (mm)	(H) 1780mm x (W) 800mm x (D) 700mm
Shipping Volume	1.132 m ³
Shipping Weight	135kg

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