

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




 A P P L I A N C E S

Application: Blood Bank Refrigerator
WHO PQS no: (ZLF100DC) E003/037
Type of appliance Ice lined (water lined) Solar direct drive refrigerator
Manufactured in South Africa

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



Energy Source (as per ZLF100DC) 370 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

*Unit uses SureChill® Technology. Water lining guarantees no freezing of stored items rated

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 m³
Shipping Weight 135kg

Verification Report (as per ZLF100AC) 100889510MKS-001
Current PQS Status (as per ZLF100AC) Pre-qualified
Verification Laboratory Intertek UK
Pre-Qualification date 25-Apr-13

Temperature Control

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

Spares per 10 units

Compressor, IMPC151
 Compressor controller, IMP151
 Condenser, IMP145
 Fan, IMP144
 Electronic Controller (thermostat), IMP012