

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



ZERO
 APPLIANCES

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
 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
 (Bloodbags stable at 37°C)

	Full Load	Half Load
	18 hours	9 hours

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

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 ZLF100DC) 100963912MKS-001A ISSUE 2

Current PQS Status (as per ZLF100DC) 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.