

# ZBF30DC Blood Bank Refrigerator

- SOLAR DIRECT DRIVE WITH SURE CHILL® TECHNOLOGY



ZERO  
A P P L I A N C E S

Application: Blood Bank Refrigerator  
WHO PQS no: (ZLF30DC) E003/055  
Type Of Appliance Ice Lined (water lined) Solar direct drive refrigerator  
Manufactured in: South Africa

## Specifications

Gross Volume (L) 30  
Drawers 3  
Blood Bag Storage 18 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

## Power Consumption

(kW/24Hrs) Solar Power Approx. 0.360  
Solar array 185w-250w depending on geographical location

## Performance Information

Autonomy Time at +43°C (Not fully charged) > 72 Hours  
At a Solar Radiation Reference Period of 3.5 kWh/m<sup>2</sup>/day

\*\*\* **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) 1028mm x (W) 619mm x (D) 563mm  
Shipping Volume (Crated) 0.372m<sup>3</sup>  
Shipping Weight (Crated) 105kg

**Verification Report** (as per ZLF30DC) 300-KLAB-15-132

**Current PQS Status** (as per ZLF30DC) Pre-qualified

**Verification Laboratory** Danish Technological Institute

**Pre-qualification date** 9 September 2015



## Temperature Control

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

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