



E003:

Refrigerators and freezers

PQS code:	E003/121
Type of appliance:	Solar direct drive refrigerator
Manufacturer's reference:	TCW80-SDD
Manufactured in:	Luxembourg
Company:	B Medical Systems Sarl
Address:	17 Op der Hei L-9809 Hosingen Luxembourg
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Specifications

Climate zone:	Hot	Min rated ambient temp:	+5°C
Refrigerant:	R600a	Energy source:	Solar direct drive
Appliance tested at:	+43°C	Ext dimensions (HxLxD)	900mm x 1030mm x 780mm
Performance at:	+43°C	Fuel and cycle type:	Electric - compression
SOLAR DIRECT DRIVE REFRIGERATOR		AND / OR FREEZER	Freeze protection: Grade A
Vaccine storage capacity: (Liters)	80.5 L	Gross volume (Liters):	
Gross volume (Liters):	82.5 L	Waterpack freezing capacity:	
		Waterpack storage capacity:	
Autonomy as per WHO/PQS protocols	72hours 21min	At a solar radiation reference period of:	3.5 kWh/m2/day

Warning !

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.

Prices include the solar generator system : G1=roof fixes; G2=roof adjustable. Includes for the duration of the warranty period contractually agreed: the B Medical Systems RTMD with worldwide communication, real time alarms messages for temperature and open door alerts via SMS / EMAIL, GPS position using Google Maps, access to the webserver performance monitoring; compliant to WHO PQS E006/TR03.2 with one deviation as this RTMD has no integrated display (however the refrigerator has a digital display). This RTMD is exclusively bundled to B Medical Systems refrigerators / freezers. Includes warranty for 3 or 10 years as the case may be. For more information and further conditions of warranty, please contact B Medical Systems

Comments:

Accessories:

vaccine storage basket
lockable lid
2 spacers

Spare parts (ref, price):

Included in the UNICEF Supply Division spare parts kit: 1 No. Compressor (BD35K Solar) - Part No. 296.9702.09
1 No. Electronic Control Unit (E-box) - Part No. 296.9705.32 1 No. Electronic thermostat/controller - Part No. 296.9768.63
1 No. Fan (12-28 V, 5.6W) - Part No. 292.9960.11 1 No. Drier - Part No. 296.0945.04 1 No. Controller display board - Part No. 296.9769.81
1 No. Sensor - Part No. 296.9805.06 Other parts are available as spares on request

Shipping volume:	0.88 m3	Shipping weight:	113 kg
Price year	2021	Incoterms	EXW
Price	>100units G1 : 5007€	>100units G2 : 5437€	
Quality standard:	- ISO 9001:2008 -	Specification ref.	
Verification report:	WHO 21-01	Verification laboratory:	CEMAFROID SAS
Current PQS status:	<i>pre-qualified: 07 Jun 2021</i>	Validity until:	<i>May, 2024</i>

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.