



## E003: Refrigerators and freezers



<b>Product name:</b>	TCW 2000 SDD
<b>IMD-PQS Code:</b>	E003-035
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	17 Dec 2012
<b>Appliance type:</b>	E003
<b>Product description:</b>	Solar direct drive refrigerator/freezer
<b>Manufacturer:</b>	B Medical Systems Sarl
<b>Manufacturers Reference:</b>	TCW 2000 SDD
<b>Country of Manufacture:</b>	Luxembourg
<b>Address:</b>	17 Op der Hei L-9809 Hosingen Luxembourg Luxembourg
<b>Telephone:</b>	+ 35 2 92 07 311
<b>Email:</b>	<a href="mailto:info@bmedicalsistemas.com">info@bmedicalsistemas.com</a>
<b>Website address:</b>	<a href="http://www.bmedicalsistemas.com">www.bmedicalsistemas.com</a>
<b>Valid until:</b>	31 Dec 2025

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Climate zone</b>	Temperate	<b>Minimum rated ambient temperature (°C)</b>	5.00
<b>Freeze protection</b>	Grade A	<b>Hold over time (hours:mn)</b>	94:00
<b>External dimensions length (mm)</b>	1270.00	<b>External dimensions width (mm)</b>	780.00
<b>External dimensions height (mm)</b>	910.00	<b>Appliance tested at (°C)</b>	32.00
<b>Performance at" (°C)</b>	32.00	<b>Fuel and refrigeration cycle</b>	Electric - compression
<b>Energy source</b>	Solar direct drive	<b>Lining</b>	Ice-lined
<b>Energy Consumption During Freezing (kWh/24h)</b>	0.9600	<b>Energy Consumption Cool Down (kWh/24h)</b>	0.7400
<b>Energy Consumption Continuous Power (kWh/24h)</b>	0.7800		

### PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

<b>Refrigerator vaccine storage capacity(L)</b>	99.000	<b>Refrigerator's gross volume (Litres)</b>	118.000
<b>Autonomy (hrs:mn)</b>	85:24	<b>Refrigerant type</b>	R600a
<b>Solar radiation ref period (kWh/m2/day)</b>	3.50		

### PRODUCT SPECIFICATIONS - ADDITIONAL FREEZER

<b>Freezer type</b>	Low energy compression	<b>Freezer net volume</b>	
<b>Freezer's gross volume (Litres)</b>	42.00	<b>Waterpack freezing capacity (Kg/24 hrs)</b>	2.40
<b>Waterpack storage capacity (Litres)</b>	9.60		

<b>Comments</b>	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. Range of holdover time: 51 - 100 hours Range vaccine storage capacity: 90L - 150L Range waterpack storage capacity: 20 - 100L Waterpack storage capacity: 16x0.6L
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<b>List of accessories</b>	4 baskets; 16 waterpacks 0.6L; 4 keys; documentation and instructions, lockable lid, 1 compass, 1 brush, 2 spacers
<b>List of spare parts, Reference &amp; Price</b>	Included in the UNICEF Supply Division spare parts kit: 1 No. Compressor (BD35K Solar) - Part No.296.9702.09 1 No. E-box (BD35K Solar) Part No. 2969705.32 1 No. Electronic thermostat/controller (TCW DC Solar) - Part No. 292.2009.05 1 No. Fan (12V, 4,3W, 410) - Part No. 292.9960.13 Other parts are available as spares on request.

#### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	1.07	<b>Shipping weight (kg)</b>	161.00
<b>Incoterms</b>	EXW	<b>Price 1</b>	>100 units: G1: 9252€; G2: 10,606€
<b>Year of base price</b>	2025		

#### QUALITY STANDARD

<b>Quality Standard</b>	ISO 13485;Other	<b>Quality standard (Other)</b>	ISO 9001:2015; ISO 14001:2015
<b>Specification Reference</b>	Applicable PQS specification: E003/RF05.2 Applicable PQS VP(s): E003/RF05-VP.2		

#### VERIFICATION

<b>Verification Laboratory</b>	CEMAFROID SAS	<b>Address</b>	5 Avenue des Pres CS 20029 F94 266 Fresnes Cedex France France
<b>Phone</b>	+33 1 49 84 84 84	<b>Email</b>	gerald.cavalier@cemafroid.fr
<b>Verification Report Reference</b>	WHO- 12-020/16-004/11-017 V2		

#### PRODUCT SITES

<b>Organization name</b>	B Medical Systems Sarl
<b>Address</b>	17 Op der Hei L-9809 Hosingen Luxembourg Luxembourg

<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 Dec 2025</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.