



## E003: Refrigerators and freezers



<b>Product name:</b>	TCW 40R SDD
<b>IMD-PQS Code:</b>	E003-068
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	16 Mar 2016
<b>Appliance type:</b>	E003
<b>Product description:</b>	Solar Direct Drive refrigerator
<b>Manufacturer:</b>	B Medical Systems Sarl
<b>Manufacturers Reference:</b>	TCW 40R 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@bmedicalsyste.ms.com">info@bmedicalsyste.ms.com</a>
<b>Website address:</b>	<a href="http://www.bmedicalsyste.ms.com">www.bmedicalsyste.ms.com</a>
<b>Valid until:</b>	31 Dec 2025

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Climate zone</b>	Hot	<b>Minimum rated ambient temperature (°C)</b>	5.00
<b>Freeze protection</b>	Grade A	<b>Hold over time (hours:mn)</b>	93:24
<b>External dimensions length (mm)</b>	780.00	<b>External dimensions width (mm)</b>	1030.00
<b>External dimensions height (mm)</b>	900.00	<b>Appliance tested at (°C)</b>	43.00
<b>Performance at" (°C)</b>	43.00	<b>Fuel and refrigeration cycle</b>	Electric - compression
<b>Energy source</b>	Solar direct drive	<b>Lining</b>	Ice-lined
<b>Energy Consumption Cool Down (kWh/24h)</b>	0.6700	<b>Energy Consumption Continuous Power (kWh/24h)</b>	0.5700

### PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

<b>Refrigerator vaccine storage capacity(L)</b>	36.000	<b>Refrigerator's gross volume (Litres)</b>	46.600
<b>Autonomy (hrs:mn)</b>	81:54	<b>Refrigerant type</b>	R600a
<b>Solar radiation ref period (kWh/m2/day)</b>	3.50		

<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. For more information and further conditions of warranty, please contact B Medical Systems Range of holdover time: 51 - 100 hours Range vaccine storage capacity: 25L - 60L
<b>List of accessories</b>	1 basket; 2 keys; 1 brush; 1 pan for drain; documentation, lockable lid, 2 spacers, 1 compass
<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. 296.9705.32 1 No. Electronic thermostat/controller (3-SEN) - Part No. 296.9769.98 1 No. Fan PAPST (12V, 4.3W; 410mm) - Part No.292.9960.13 Other parts are available as spares on request.

### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.88	<b>Shipping weight (kg)</b>	129.00
<b>Incoterms</b>	EXW	<b>Price 1</b>	> 100 units: G1: 5576 €; G2: 5990 €

Year of base price	2025		
QUALITY STANDARD			
Quality Standard	ISO 13485;Other	Quality standard (Other)	ISO 14001:2015; ISO:9001:2015
Specification Reference	Applicable PQS specification: E003/RF05.3 Applicable PQS VP(s): E003/RF05-VP.3		
VERIFICATION			
Verification Laboratory	CEMAFROID SAS	Address	5 Avenue des Pres CS 20029 F94 266 Fresnes Cedex France France
Phone	+33 1 49 84 84 84	Email	gerald.cavalier@cemafroid.fr
Verification Report Reference	WHO-13-024 V2		
PRODUCT SITES			
Organization name	B Medical Systems Sarl		
Address	17 Op der Hei L-9809 Hosingen Luxembourg Luxembourg		
Current PQS status:	Prequalified	Valid until:	31 Dec 2025

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