



E003: Refrigerators and freezers



Product name:	TCW 40 SDD
IMD-PQS Code:	E003-042
Status:	Prequalified
Date of acceptance:	27 Mar 2014
Appliance type:	E003
Product description:	Solar direct drive refrigerator/freezer TCW 40 SDD
Manufacturer:	B Medical Systems Sarl
Manufacturers Reference:	TCW 40 SDD
Country of Manufacture:	Luxembourg
Address:	17 Op der Hei L-9809 Hosingen Luxembourg Luxembourg
Telephone:	+ 35 2 92 07 311
Email:	info@bmedicalsistemas.com
Website address:	www.bmedicalsistemas.com
Valid until:	31 Dec 2025

Specifications

PRODUCT SPECIFICATIONS - MAIN

Climate zone	Hot	Minimum rated ambient temperature (°C)	5.00
Freeze protection	Grade A	Hold over time (hours:mn)	93:24
External dimensions length (mm)	1030.00	External dimensions width (mm)	780.00
External dimensions height (mm)	900.00	Appliance tested at (°C)	43.00
Performance at" (°C)	43.00	Fuel and refrigeration cycle	Electric - compression
Energy source	Solar direct drive	Lining	Ice-lined
Energy Consumption During Freezing (kWh/24h)	0.6900	Energy Consumption Cool Down (kWh/24h)	0.6700
Energy Consumption Continuous Power (kWh/24h)	0.5700		

PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

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

PRODUCT SPECIFICATIONS - ADDITIONAL FREEZER

Freezer type	Low energy compression	Freezer net volume	
Freezer's gross volume (Litres)	4.80	Waterpack freezing capacity (Kg/24 hrs)	1.89
Waterpack storage capacity (Litres)	3.60		

Comments	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 Freezing capacity range: 5 kg/24h Range of holdover time: 51 - 100 hours Range vaccine storage capacity: 25L - 60L Range waterpack storage capacity: 20
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List of accessories	1 basket; 8 waterpacks 0.6 L; 8 waterpack holders; 2 keys; 1 brush; 1 pan for drain; documentation, 1 compass, lockable lid, 2 spacers
List of spare parts, Reference & Price	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. COLD CHAIN CONTROLLER 3-SEN - Part No. 296.9769.98 1 No. FAN PAPST #4312NNU 12V 4.3W 410MM - Part No. 292.9960.13 Other parts are available as spares on request.

PRICE AND SHIPPING

Shipping volume (m3)	0.88	Shipping weight (kg)	126.00
Incoterms	EXW	Price 1	> 100 units: G1: 5930€ ; G2: 6529€
Year of base price	2025		

QUALITY STANDARD

Quality Standard	ISO 13485;Other	Quality standard (Other)	ISO 9001:2015; ISO 14001:2015
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:	<i>Prequalified</i>	Valid until:	<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.