



E003: Refrigerators and freezers



Product name:	TCW120AC
IMD-PQS Code:	E003-123
Status:	Prequalified
Date of acceptance:	12 Jun 2021
Appliance type:	E003
Product description:	Combined Vaccine Refrigerator / Waterpack Freezer
Manufacturer:	B Medical Systems Sarl
Manufacturers Reference:	TCW120AC
Country of Manufacture:	Luxembourg
Address:	17 Op der Hei 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)	73:54
External dimensions length (mm)	790.00	External dimensions width (mm)	1620.00
External dimensions height (mm)	910.00	Appliance tested at (°C)	43.00
Performance at" (°C)	43.00	Fuel and refrigeration cycle	Electric - compression
Energy source	110-240V 50/60Hz	Lining	Ice-lined
Energy Consumption During Freezing (kWh/24h)	1.4100	Energy Consumption Cool Down (kWh/24h)	1.0700
Energy Consumption Continuous Power (kWh/24h)	1.5500		

PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

Refrigerator vaccine storage capacity(L)	120.000	Refrigerator's gross volume (Litres)	153.000
Refrigerant type	R600a	Solar radiation ref period (kWh/m2/day)	1.00

PRODUCT SPECIFICATIONS - ADDITIONAL FREEZER

Freezer net volume		Freezer's gross volume (Litres)	28.00
Waterpack freezing capacity (Kg/24 hrs)	1.60	Waterpack storage capacity (Litres)	13.20

Comments	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 5 years. For more information and further conditions of warranty, please contact B Medical Systems. Bmedical fully integrated automatic voltage stabilization solution, which operates the ILR for any voltage in between 90VAC and 290VAC. It protects the ILR from over and under voltage as well as from surges and spikes required by PQS for AVS. Freezing capacity range: 5 kg/24h Range vaccine storage capacity: 90L - 150L Waterpack storage capacity: 22 x 0,6L
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List of accessories	4 vaccine storage baskets lockable lid 2 spacers 22 waterpacks of 0.6L
List of spare parts, Reference & Price	Included in the UNICEF Supply Division spare parts kit: 1 No. Compressor BD35K - Part No. 296.9702.09 1 No. E-BOX BD35K Solar - Part No. 296.9705.32 1 No. Electronic Thermostat Controller - Part No. 296.9768.68 1 No. Fan (12V, 4.3W) - Part No. 292.9960.13 1 No. Drier - Part No. 296.0945.04 1 No. Controller Display Board - Part No. 296.9769.91 1 No. Sensor - Part No. 296.9805.06 Other parts available as spares on request.

PRICE AND SHIPPING

Shipping volume (m3)	1.39	Shipping weight (kg)	188.00
Incoterms	EXW	Price 1	>100 pcs : 4339 Euros
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/RF03.4 Applicable PQS VP(s):		

VERIFICATION

Verification Laboratory	0013X00004MI8OgQAJ	Verification Report Reference	WHO 21-02
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PRODUCT SITES

Organization name	B Medical Systems Sarl
Address	17 Op der Hei Hosingen Luxemburg 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.