



E003: Refrigerators and freezers



Product name:	TFW 40 SDD
IMD-PQS Code:	E003-073
Status:	Prequalified
Date of acceptance:	26 May 2016
Appliance type:	E003
Product description:	Solar Direct Drive Waterpacks Freezer
Manufacturer:	B Medical Systems Sarl
Manufacturers Reference:	TFW 40 SDD
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 May 2026

Specifications

PRODUCT SPECIFICATIONS - MAIN

Climate zone	Hot	External dimensions length (mm)	780.00
External dimensions width (mm)	1030.00	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
Energy Consumption During Freezing (kWh/24h)	0.6400	Energy Consumption Cool Down (kWh/24h)	0.5900
Energy Consumption Continuous Power (kWh/24h)	0.5900		

PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

Autonomy (hrs:mn)	5	Refrigerant type	R600a
Solar radiation ref period (kWh/m2/day)	3.50		

PRODUCT SPECIFICATIONS - ADDITIONAL FREEZER

Freezer type	Rapid water-pack freezer	Freezer's gross volume (Litres)	64.00
Waterpack freezing capacity (Kg/24 hrs)	2.16	Waterpack storage capacity (Litres)	11.24

Comments	Prices include the solar system: Generator 1 = roof fixed; Generator 2 = roof adjustable Energy sources: nominal 12 V DC solar electric array. Minimum power 250 watts at solar radiation reference period 3.5 kWh/m2/day Freezer net volume: 50 - 110 L Range freezing capacity: 5 kg/24h Range waterpack storage capacity: 20 - 100L Waterpack storage capacity: 11.24 kg (20 Waterpacks)
List of accessories	8 waterpacks 0.6 L; 8 waterpacks holders; 2 keys; 1 brush; 2 spacers; documentation, lockable lid, 1 compass
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. Electronic thermostat/controller - Part No.296.9769.92 1 No. Fan (12V, 4.3W) - Part No.292.9960.13 1 No. Cold Chain Controller Display Board - Part No. 296.9769.91 Other parts are available as spares on request.

PRICE AND SHIPPING

Shipping volume (m3)	0.88	Shipping weight (kg)	119.00
Incoterms	EXW	Price 1	> 100 units: G1:5281 €; G2: 5620 €
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	0013X00004MI8OgQAJ	Verification Report Reference	WHO-15036 corr 1
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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 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.