



E003: Refrigerators and freezers



Product name:	VLS 026 RF SDD
IMD-PQS Code:	E003-091
Status:	Prequalified
Date of acceptance:	12 Aug 2017
Appliance type:	E003
Product description:	Solar Direct Drive Refrigerator and Freezer
Manufacturer:	Vestfrost Solutions
Manufacturers Reference:	VLS 026 RF SDD
Country of Manufacture:	Denmark
Address:	A/S Vestfrost Falkevej 12 DK-6705 Esbjerg Ø Denmark Denmark
Telephone:	+45 7914 2527
Email:	clc@vestfrostsolutions.com
Website address:	http://vestfrostsolutions.com/
Valid until:	31 May 2026

Specifications

PRODUCT SPECIFICATIONS - MAIN

Climate zone	Hot	Minimum rated ambient temperature (°C)	5.00
Freeze protection	Grade A	External dimensions length (mm)	650.00
External dimensions width (mm)	1110.00	External dimensions height (mm)	880.00
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)	1.0800	Energy Consumption Intermittent Power (kWh/24h)	1.0200
Energy Consumption Cool Down (kWh/24h)	1.0600		

PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

Refrigerator vaccine storage capacity(L)	20.000	Refrigerator's gross volume (Litres)	35.000
Autonomy (hrs:mn)	73:22	Refrigerant type	R600a
Solar radiation ref period (kWh/m2/day)	3.50		

PRODUCT SPECIFICATIONS - ADDITIONAL FREEZER

Freezer's gross volume (Litres)	34.30	Waterpack freezing capacity (Kg/24 hrs)	1.80
Waterpack storage capacity (Litres)	17.40		

Comments	Prices include 2 x Vestfrost Solutions SDD PV energy kit comprising of PV panels, roof adjustable bracket system, plug & play installation. Unit equipped with unique QR code that can be used with Vestfrost Solutions Unit tracker APP, containing various installation/service features. As an option the appliance can be supplied with Vestfrost in-built RTMD; with following features: 1: 5" touch display 2: 3X internal temp. sensors 3: ambient temp. 4: compressor sensor 5: humidity sensor 6: lid opening alarm 7: GPS coordinates via Google maps 8: 1X USB 5V solar harvesting port. All data collected/logged is automatic via GPRS uploaded to Vestfrost RTMD performance data-portal, and/or can be accessed onsite from the touch screen menu Freezer net volume: 50 L Freezing capacity range: 5 kg/24h Range of holdover time: 51 - 100 hours Range vaccine storage capacity: 25L - 60L Range waterpack storage capacity: 20L
List of accessories	Vaccine storage top basket; Bottom grating; 30 day electronic temperature logger; Self regulating temperature control; Electronic temperature reading; 2 x Keys; Instruction manual in 6 UN languages; Technical manual in 6 UN languages

List of spare parts, Reference & Price Included in the UNICEF Supply Division spare parts kit: 1 No. Compressor (BD35K 101Z0211) 10-45 V - Part No. 8-036510223 1 No. Thermostat (Dixell) - Part No. 7095322 1 No. THERMOSTAT K-54-L2021 Ranco - Part No. 6520038 1 No. Electronic Control 1 Unit - Part No.6520845 (included in the compressor) 1 No. Fan JamiconKF1225B1HR - Part No. 7030823 1 No. Fan JF0825H1H-B Freezer - Part No. 7090403 1 No. Thermometer - Part No. 7020392-03 Other parts are available as spares on request.

PRICE AND SHIPPING

Shipping volume (m3)	0.92	Shipping weight (kg)	141.00
Incoterms	EXW	Price 1	1-99 units - 4,751 €
Price 2	100-199 units - 4,482 €	Year of base price	2020

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2015; ISO 14001;DS/OHSAS 18001:2008
Specification Reference	Applicable PQS specification: E003/RF05.4 Applicable PQS VP(s): E003/RF05-VP.4		

VERIFICATION

Verification Laboratory	Danish Technological Institute	Address	Gregersensvej DK-2630 Taastrup Danemark Denmark
Phone	+45 72202472	Email	hans.walloe@teknologisk.dk
Verification Report Reference	300-KLAB-17-118		

PRODUCT SITES

Organization name	Vestfrost Solutions
Address	A/S Vestfrost Falkevej 12 DK-6705 Esbjerg Ø Denmark Denmark

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.