



E003: Refrigerators and freezers



Product name:	VLS 024e SDD
IMD-PQS Code:	E003-069e
Status:	Prequalified
Date of acceptance:	04 Aug 2016
Appliance type:	E003
Product description:	Solar direct drive refrigerator EMS LEVEL 2
Manufacturer:	Vestfrost Solutions
Manufacturers Reference:	VLS 024e SDD
Country of Manufacture:	Denmark
Address:	A/S Vestfrost Falkevej 12 Esbjerg Ø Syddanmark Denmark
Telephone:	+45 7914 2527
Email:	clc@vestfrostsolutions.com
Website address:	http://vestfrostsolutions.com/
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Climate zone	Hot	Minimum rated ambient temperature (°C)	5.00
Freeze protection	Grade A	Hold over time (hours:mn)	91:17
External dimensions length (mm)	645.00	External dimensions width (mm)	555.00
External dimensions height (mm)	830.00	Performance at" (°C)	43.00
Fuel and refrigeration cycle	Electric - compression	Energy source	Solar direct drive
Lining	Regular	Energy Consumption Cool Down (kWh/24h)	0.2500
Energy Consumption Continuous Power (kWh/24h)	0.2500		

PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

Refrigerator vaccine storage capacity(L)	25.500	Refrigerator's gross volume (Litres)	36.000
Autonomy (hrs:mn)	81:7	Refrigerant type	R600a
Solar radiation ref period (kWh/m2/day)	3.50		

Comments	APPROVED EMS LEVEL 2 Prices include 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. 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. Range of holdover time: 51 - 100 hours Range vaccine storage capacity: 25L - 60L
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; Plywood packing/crate

List of spare parts, Reference & Price Included in the UNICEF Supply Division spare parts kit: 1 No. Compressor (BD 35K) Complete R600a Incl. ECU - Part No. 8-036510223 1 No. Thermostat - Part No. 702090044 1 No. Fan Set (KD1208PTB3) 12 V DC Part No. 7090486 1 No. Thermometer, solar, Part No.7020382-03 Other parts are available as spares on request.

PRICE AND SHIPPING

Shipping volume (m3)	0.63	Shipping weight (kg)	75.00
Incoterms	FCA	Price 1	1-99 units: 2,804 €
Price 2	100-199 units:2598 €	Year of base price	2020

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2015; ISO 14001:15
Specification Reference	Applicable PQS specification: E003/RF05.3 Applicable PQS VP(s): E003/RF05-VP.3		

VERIFICATION

Verification Laboratory	Danish Technological Institute	Address	Gregersensvej DK-2630 Taastrup DenmarkDenmark
Telephone	+45 72202472	Email	hans.walloe@teknologisk.dk
Verification Report Reference	300-KLAB-15-174		

PRODUCT SITES

Organization name	Vestfrost Solutions
Address	A/S Vestfrost Falkevej 12 Esbjerg Ø Syddanmark Denmark

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.