



E003: Refrigerators and freezers



Product name:	VLS 096Ae RF SDD
IMD-PQS Code:	E003-132e
Status:	Prequalified
Date of acceptance:	16 Mar 2023
Appliance type:	E003
Product description:	Solar direct drive refrigerator
Manufacturer:	Vestfrost Solutions
Manufacturers Reference:	VLS 096Ae RF SDD
Country of Manufacture:	Denmark
Address:	A/S Vestfrost Falkevej 12 Esbjerg Ø Syddanmark Denmark
Telephone:	+45 7914 2527
Email:	clc@vestfrostolutions.com
Website address:	http://vestfrostolutions.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)	114,33
External dimensions length (mm)	740.00	External dimensions width (mm)	1510.00
External dimensions height (mm)	870.00	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)	1.4890
Energy Consumption Intermittent Power (kWh/24h)	1.3520	Energy Consumption Cool Down (kWh/24h)	1.3520
Energy Consumption Continuous Power (kWh/24h)	1.4100		

PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

Refrigerator vaccine storage capacity(L)	110.000	Refrigerator's gross volume (Litres)	147.000
Autonomy (hrs:mn)	114.33	Refrigerant type	R600a
Solar radiation ref period (kWh/m2/day)	3.50		

PRODUCT SPECIFICATIONS - ADDITIONAL FREEZER

Freezer's gross volume (Litres)	50.00	Waterpack freezing capacity (Kg/24 hrs)	2.40
Waterpack storage capacity (Litres)	16.80		

Comments

APPROVED EMS LEVEL 2 Prices include Vestfrost Solutions SDD PV energy system, roof adjustable, plug & play; Unit equipped with unique QR code, that can be used along 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. Waterpack freezing capacity: 2.4 kg per/24h = 4 x 0.6 L Waterpacks per/24h Waterpack storage capacity: 28 x 0.6L

List of accessories 2 X 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 (BD 35K) Complete R600a Incl. ECU - Part No. 8-036510223 1 No. Thermostat refrigerator - Part No. 7095714 1 No. Thermostat freezer – Part No. 7095715 1 No. Fan Set (KD1208PTB3) 12 V DC Part No. 7030823 1 No. Thermometer, solar, Part No.7020392-03 Other parts are available as spares on request.

PRICE AND SHIPPING

Shipping volume (m3)	1.31	Shipping weight (kg)	190.00
Incoterms	EXW	Price 1	6.485 EUR
Year of base price	2023		

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2008
Specification Reference	Applicable PQS specification: E003/RF05.6 Applicable PQS VP(s): E004/RF05-VP.5		

VERIFICATION

Verification Laboratory	Danish Technological Institute	Address	Gregersensvej DK-2630 Taastrup DanemarkDenmark
Telephone	+45 72202472	Email	hans.walloe@teknologisk.dk
Verification Report Reference	300-KLAB-22-106		

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.