



## E003: Refrigerators and freezers



<b>Product name:</b>	VLS 056 RF SDD
<b>IMD-PQS Code:</b>	E003-092
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	12 Aug 2017
<b>Appliance type:</b>	E003
<b>Product description:</b>	Solar Direct Drive Refrigerator and Freezer
<b>Manufacturer:</b>	Vestfrost Solutions
<b>Manufacturers Reference:</b>	VLS 056 RF SDD
<b>Country of Manufacture:</b>	Denmark
<b>Address:</b>	A/S Vestfrost Falkevej 12 DK-6705 Esbjerg Ø Denmark Denmark
<b>Telephone:</b>	+45 7914 2527
<b>Email:</b>	<a href="mailto:clc@vestfrostsolutions.com">clc@vestfrostsolutions.com</a>
<b>Website address:</b>	<a href="http://vestfrostsolutions.com/">http://vestfrostsolutions.com/</a>
<b>Valid until:</b>	31 Dec 2025

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Climate zone</b>	Hot	<b>Minimum rated ambient temperature (°C)</b>	5.00
<b>Freeze protection</b>	Grade A	<b>External dimensions length (mm)</b>	650.00
<b>External dimensions width (mm)</b>	1110.00	<b>External dimensions height (mm)</b>	880.00
<b>Performance at" (°C)</b>	43.00	<b>Fuel and refrigeration cycle</b>	Electric - compression
<b>Energy source</b>	Solar direct drive	<b>Lining</b>	Ice-lined
<b>Energy Consumption During Freezing (kWh/24h)</b>	1.1500	<b>Energy Consumption Intermittent Power (kWh/24h)</b>	1.0500
<b>Energy Consumption Cool Down (kWh/24h)</b>	1.1200		

### PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

<b>Refrigerator vaccine storage capacity(L)</b>	36.000	<b>Refrigerator's gross volume (Litres)</b>	49.300
<b>Autonomy (hrs:mn)</b>	72:00	<b>Refrigerant type</b>	R600a
<b>Solar radiation ref period (kWh/m2/day)</b>	3.50		

### PRODUCT SPECIFICATIONS - ADDITIONAL FREEZER

<b>Freezer's gross volume (Litres)</b>	34.30	<b>Waterpack freezing capacity (Kg/24 hrs)</b>	1.80
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<b>Comments</b>	<p>Prices include 2 x Vestfrost Solutions SDD PV energy kit comprising of PV panels, roof adjustable bracket system, plug &amp; play installation. Unit equipped with unique QR code that can be used with Vestfrost Solutions Unit tracker APP, containing various installation/service features.</p> <p><a href="http://apps.who.int/immunization_standards/vaccine_quality/IMDPQS_catalogue/PdfCatalogue.aspx?cat_type=device">http://apps.who.int/immunization_standards/vaccine_quality/IMDPQS_catalogue/PdfCatalogue.aspx?cat_type=device</a> Spare part to be revised accordingly 1 No. Thermostat (Dixell) - Part No. 7095326 to be replaced by 1 No. Thermostat - Part No. 702090045 1 No. Fan JF0825H1H-B Freezer - Part No. 7090403 to be replaced by 1 No. Fan Fan Jamicon 3310 KF1225-B1HR-R – Part No. 7030126 Comments to be added: 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 hou Range vaccine storage capacity: 25L - 60L Range waterpack storage capacity: 20 Waterpack storage capacity: 29 x 0.6L Waterpacks</p>
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<b>List of accessories</b>	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
<b>List of spare parts, Reference &amp; Price</b>	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. 702090045 1 No. TERMOSTAT K-54-L2021 Ranco - Part No. 6520038 1 No. Electronic Control 1 Unit - Part No.6520845 (included in the compressor) 1 No. Fan Fan Jamicon 3310 KF1225-B1HR-R – Part No. 7030126 1 No. Thermometer - Part No. 7020392-03 Other parts are available as spares on request.

#### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.92	<b>Shipping weight (kg)</b>	140.00
<b>Incoterms</b>	EXW	<b>Price 1</b>	1-99 units - 5,051 €
<b>Price 2</b>	100-199 units: 4,762 €	<b>Year of base price</b>	2020

#### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2008
<b>Specification Reference</b>	Applicable PQS specification: PQS/E003/RF05.4 Applicable PQS VP(s): E003/RF05-VP.4		

#### VERIFICATION

<b>Verification Laboratory</b>	Danish Technological Institute	<b>Address</b>	Gregersensvej DK-2630 Taastrup Danemark Denmark
<b>Phone</b>	+45 72202472	<b>Email</b>	hans.walloe@teknologisk.dk
<b>Verification Report Reference</b>	300-KLAB-17-119		

#### PRODUCT SITES

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

<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<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.