



## E003:

## Refrigerators and freezers

<b>PQS code:</b>	<b>E003/108</b>
<b>Type of appliance:</b>	Solar direct drive refrigerator
<b>Manufacturer's reference:</b>	VLS 154A SDD Greenline
<b>Manufactured in:</b>	Denmark
<b>Company:</b>	Vestfrost Solutions
<b>Address:</b>	A/S Vestfrost Falkevej 12 DK-6705 Esbjerg Ø Denmark
<b>Telephone:</b>	+45 7914 2555; +45 7914 2248
<b>Email:</b>	<a href="mailto:clc@vestfrostsolutions.com">clc@vestfrostsolutions.com</a> ; <a href="mailto:bjn@vestfrostsolutions.com">bjn@vestfrostsolutions.com</a>
<b>Web address:</b>	<a href="http://vestfrostsolutions.com/">http://vestfrostsolutions.com/</a>

## Specifications

<b>Climate zone:</b>	Hot	<b>Min rated ambient temp:</b>	+5°C
<b>Refrigerant:</b>	R600a	<b>Energy source:</b>	Solar direct drive
<b>Appliance tested at:</b>	+43°C	<b>Ext dimensions (HxLxD)</b>	86.0 x 127.0 x 70.0 cm
<b>Performance at:</b>	<b>+43°C</b>	<b>Fuel and cycle type:</b>	Electric - compression
<b>SOLAR DIRECT DRIVE REFRIGERATOR AND / OR FREEZER</b>			<b>Freeze protection: Grade A</b>
<b>Vaccine storage capacity: (Liters)</b>	170	<b>Gross volume (Liters):</b>	N/A
<b>Gross volume (Liters):</b>	248	<b>Waterpack freezing capacity:</b>	N/A
		<b>Waterpack storage capacity:</b>	N/A
<b>Autonomy as per WHO/PQS protocols</b>	73.4 hours	<b>At a solar radiation reference period of:</b>	3.5 kWh/m <sup>2</sup> /day

### Warning !

For solar direct drive units, the correct sizing of the solar panel array for a specific site is complex and critical. It must be agreed with both the appliance manufacturer and with the Qualified Supplier of the solar energy system at the time of ordering.

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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.

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**Comments:**

**Accessories:**

4 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; Plywood packing/crate

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**Spare parts (ref, price):**

Included in the UNICEF Supply Division spare parts kit:  
1 No. Compressor (BD35K 101Z0211) -1 10-45 V - Part No. 8-036510223  
1 No. Electronic control unit - Part No. 6520845 (Incl. in the compressor)  
1 No. Electronic Thermostat/controller (Dixell) - Part No. 702090013  
1 No. Fan Set - Part No. 7090099  
1 No. Thermometer - Part No. 7020287-03

Other parts are available as spares on request.

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**Shipping volume:**

0.83m3

**Shipping weight:**

108kg

**Price year**

**Incoterms**

FCA

**Price**

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**Quality standard:**

- ISO 9001:2008 - ISO 14001  
- DS/OHSAS 18001:2008 -

**Specification ref.**

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**Verification report:**

300-KLAB-15-115

**Verification laboratory:**

Danish Technological Institute

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**Current PQS status:**

*pre-qualified: 02 Oct 2019*

**Validity until:** *May, 2024*

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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.