



## E003:

## Refrigerators and freezers

<b>PQS code:</b>	<b>E003/106</b>
<b>Type of appliance:</b>	Solar direct drive refrigerator
<b>Manufacturer's reference:</b>	VLS 054A SDD
<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>	85 x 72 x 60 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>	55.5L	<b>Gross volume (Liters):</b>	NA
<b>Gross volume (Liters):</b>	108l	<b>Waterpack freezing capacity:</b>	NA
		<b>Waterpack storage capacity:</b>	NA
<b>Autonomy as per WHO/PQS protocols</b>	72.4 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.

---

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.

---

**Comments:**

**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

---

**Spare parts (ref, 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

---

<b>Shipping volume:</b>	0.65m3	<b>Shipping weight:</b>	85kg
<b>Price year</b>	2016	<b>Incoterms</b>	FCA
<b>Price</b>	1-99 units: 3,107 €	100-199 units: 2.882 €	200 or more units: 2.840 €

---

<b>Quality standard:</b>	- ISO 9001:2008 - ISO 14001 - DS/OHSAS 18001:2008 -	<b>Specification ref.</b>	
--------------------------	--	---------------------------	--

---

<b>Verification report:</b>	100918190MKS-001 issue 2	<b>Verification laboratory:</b>	
-----------------------------	--------------------------	---------------------------------	--

---

<b>Current PQS status:</b>	<i>pre-qualified: 02 Oct 2019</i>	<b>Validity until:</b>	<i>May, 2024</i>
----------------------------	-----------------------------------	------------------------	------------------

---

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.