



## E003:

## Refrigerators and freezers

<b>PQS code:</b>	<b>E003/092</b>
<b>Type of appliance:</b>	Solar direct drive combined refrigerator/freezer
<b>Manufacturer's reference:</b>	VLS 056 RF SDD
<b>Manufactured in:</b>	Denmark
<b>Company:</b>	Vestfrost Solutions
<b>Address:</b>	A/S Vestfrost Falkevej 12 DK-6705 Esbjerg Ø Denmark

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**Web address:** <http://vestfrostsolutions.com/>

## 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>	88 cm x 111 cm x 65 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>	36 L	<b>Gross volume (Liters):</b>	34.3 L
<b>Gross volume (Liters):</b>	49.3 L	<b>Waterpack freezing capacity:</b>	1.8 kg/24h
		<b>Waterpack storage capacity:</b>	29 x 0.6L waterpacks
<b>Autonomy as per WHO/PQS protocols</b>	72hrs	<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 2 x 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.

**Comments:**

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**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

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**Spare parts (ref, price):** 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. 7020274  
1 No. THERMOSTAT K-54-L2021 Ranco - Part No. 6520038  
1 No. Electronic Control 1 Unit - Part No.6520845 (included in the compressor)  
1 No. Fan, SUNON KD1208PTB3, 12 V DC - Part No. 7090099  
1 No. Fan JF0825H1H-B Freezer - Part No. 7090403  
1 No. Thermometer - Part No. 7020287-03

Other parts are available as spares on request.

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**Shipping volume:** 0.920 m3 **Shipping weight:** 140 kgs

**Price year** 2017 **Incoterms** EXW

**Price**

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**Quality standard:** - ISO 9001:2008 - **Specification ref.**

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**Verification report:** 300-KLAB-17-119 **Verification laboratory:** Danish Technological Institute

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**Current PQS status:** *pre-qualified: 08 Dec 2017* **Validity until:** *May, 2021*

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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.