



E003:

Refrigerators and freezers

PQS code:	E003/069
Type of appliance:	Solar direct drive refrigerator
Manufacturer's reference:	VLS 024 SDD
Manufactured in:	Denmark
Company:	Vestfrost Solutions
Address:	A/S Vestfrost Falkevej 12 DK-6705 Esbjerg Ø Denmark

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bjn@vestfrostsolutions.com

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Specifications

Climate zone:	Hot	Min rated ambient temp:	+5°C
Refrigerant:	R600a	Energy source:	Solar direct drive
Appliance tested at:	+43°C	Ext dimensions (HxLxD)	83.0 x55.5 x 64.5 cm
Performance at:	+43°C	Fuel and cycle type:	Electric - compression
SOLAR DIRECT DRIVE REFRIGERATOR AND / OR FREEZER			Freeze protection: Grade A
Vaccine storage capacity: (Liters)	25.5	Gross volume (Liters):	N/A
Gross volume (Liters):	36	Waterpack freezing capacity:	N/A
		Waterpack storage capacity:	N/A
Autonomy as per WHO/PQS protocols	81.7 hours	At a solar radiation reference period of:	3.5 kWh/m2/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.

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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 -1 10-45 V - Part No. 8-036510223
1 No. Electronic thermostat/controller - Part No. 702090013
1 No. Fan Set - Part No. 7090403
1 No Thermometer - Part No. 7020287-03
1 No Electronic control unit - Part No. 6520845 (incl. in compressor)

Other parts are available as spares on request.

Shipping volume:	0,63 m3	Shipping weight:	75 kg
Price year		Incoterms	FCA
Price			
Quality standard:	- ISO 9001:2008 - ISO 14001	Specification ref.	
Verification report:	300-KLAB-15-174	Verification laboratory:	Danish Technological Institute
Current PQS status:	<i>pre-qualified: 08 Apr 2016</i>		Validity until: <i>May, 2022</i>

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.