



E003:

Refrigerators and freezers

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| PQS code: | E003/091 |
| Type of appliance: | Solar direct drive combined refrigerator/freezer |
| Manufacturer's reference: | VLS 026 RF SDD |
| Manufactured in: | Denmark |
| Company: | Vestfrost Solutions |
| Address: | A/S Vestfrost Falkevej 12 DK-6705 Esbjerg Ø Denmark |

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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) | 88 cm x 111 cm x 65 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) | 20 L | Gross volume (Liters): | 34.3 L |
| Gross volume (Liters): | 35 L | Waterpack freezing capacity: | 1.8 kg/24h |
| | | Waterpack storage capacity: | 29 x 0.6L waterpacks |
| Autonomy as per WHO/PQS protocols | 73.22 hrs | At a solar radiation reference period of: | 3.5 kWh/m ² /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 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.

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

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. 7095322
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 JamiconKF1225B1HR - Part No. 7030823
1 No. Fan JF0825H1H-B Freezer - Part No. 7090403
1 No. Thermometer - Part No. 7020392-03

Other parts are available as spares on request.

Shipping volume: 0.920 m3 **Shipping weight:** 141 kgs

Price year 2020 **Incoterms** EXW

Price

Quality standard: - ISO 9001:2008 - ISO 14001 **Specification ref.**
- DS/OHSAS 18001:2008 -

Verification report: 300-KLAB-17-118 **Verification laboratory:** Danish Technological Institute

Current PQS status: *pre-qualified: 08 Dec 2017* **Validity until:** *May 2025*

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.