



## E003: Refrigerators and freezers



<b>Product name:</b>	VLS 086A RF SDD
<b>IMD-PQS Code:</b>	E008-127
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	30 Mar 2026
<b>Appliance type:</b>	E003
<b>Product description:</b>	Solar direct drive combined refrigerator/freezer
<b>Manufacturer:</b>	Vestfrost Solutions
<b>Manufacturers Reference:</b>	VLS 086A RF SDD
<b>Country of Manufacture:</b>	Denmark
<b>Address:</b>	A/S Vestfrost Falkevej 12 Esbjerg Ø Syddanmark Denmark
<b>Telephone:</b>	+45 7914 2527
<b>Email:</b>	<a href="mailto:clc@vestfrostsolutions.com">clc@vestfrostsolutions.com</a>
<b>Website address:</b>	<a href="http://vestfrostsolutions.com/">http://vestfrostsolutions.com/</a>
<b>Valid until:</b>	31 May 2027

### Specifications

#### PRODUCT SPECIFICATIONS - MAIN

<b>Climate zone</b>	Hot	<b>Minimum rated ambient temperature (°C)</b>	5.00
<b>Humidity Control</b>	Passive	<b>Freeze protection</b>	Grade A
<b>External dimensions length (mm)</b>	1190.00	<b>External dimensions width (mm)</b>	750.00
<b>External dimensions height (mm)</b>	925.00	<b>Appliance tested at (°C)</b>	43.00
<b>Performance at" (°C)</b>	43.00	<b>Ambient temperature during testing (°C)</b>	43.00
<b>Fuel and refrigeration cycle</b>	Electric - compression	<b>Energy source</b>	Solar direct drive
<b>Lining</b>	Ice-lined	<b>Energy Consumption During Freezing (kWh/24h)</b>	1.1850
<b>Energy Consumption Intermittent Power (kWh/24h)</b>	1.1850	<b>Energy Consumption Cool Down (kWh/24h)</b>	1.1450
<b>Energy Consumption Continuous Power (kWh/24h)</b>	1.1400		

#### PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

<b>Refrigerator vaccine storage capacity(L)</b>	57.630	<b>Refrigerator's gross volume (Litres)</b>	77.000
<b>Autonomy (hrs:mn)</b>	128.33	<b>Refrigerant type</b>	R600a
<b>Solar radiation ref period (kWh/m2/day)</b>	3.50		

#### PRODUCT SPECIFICATIONS - ADDITIONAL FREEZER

<b>Freezer type</b>	SDD	<b>Freezer net volume</b>	50
<b>Freezer's gross volume (Litres)</b>	50.00	<b>Waterpack freezing capacity (Kg/24 hrs)</b>	2.40
<b>Waterpack storage capacity (Litres)</b>	16.80		

<b>Comments</b>	Prices include Vestfrost Solutions SDD PV energy system, roof adjustable, plug & play; Unit equipped with unique QR code, that can be used along Vestfrost Solutions Unit tracker APP, containing various installation/service features. As an option, the appliance can be supplied with Vestfrost in-built VF-EMS L2/3 2.0 systems; offering the following features: 1: 5" touch display 2: 3X internal temp. sensors 3: ambient temp. 4: compressor power monitor 5: lid opening alarm 6: GPS coordinates via Google maps. If configured as EMS L3 system, all data is collected/logged, and automatically transmitted via G3/G4 GPRS network connectivity, uploaded to Vestfrost EMS performance data-portal. In addition, the data can also be accessed on-site from the touch screen menu. When configured as an EMS L3 system, all operational data is automatically collected and logged, then transmitted via G3/G4 GPRS network connectivity to the Vestfrost EMS Performance Data Portal. Additionally, the same data can be accessed locally through the integrated touchscreen menu.
<b>List of accessories</b>	Vaccine storage top basket; Bottom grating; Self-regulating temperature control; Auto drainage; Safety Thermostat, Electronic temperature reading; 2 x Keys; Instruction manual in 6 UN languages; Technical manual in 6 UN languages; 10 spare fuses; 1X USB 5V solar harvesting port
<b>List of spare parts, Reference &amp; Price</b>	1 x 7021145 VLS Thermostat_PCB L1 1 x 7090546 Sensor kit, 1050mm 1 x 8-036510223 Compressor - BD35K Complete 101Z0211 10-45V - incl. ECU

---

#### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	1.17	<b>Shipping weight (kg)</b>	160.00
<b>Minimum order</b>	1.00	<b>Units per package</b>	1.00
<b>Incoterms</b>	FCA	<b>Year of base price</b>	2025

---

#### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	PQS specification: E003/RF05.8 PQS VP: E003/RF05-VP.6		

---

#### VERIFICATION

<b>Verification Laboratory</b>	Danish Technological Institute	<b>Address</b>	Gregersensvej DK-2630 Taastrup DanemarkDenmark
<b>Telephone</b>	+45 72202472	<b>Email</b>	hans.walloe@teknologisk.dk
<b>Verification Report Reference</b>	300-KLAB-24-143		

---

#### PRODUCT SITES

<b>Organization name</b>	Vestfrost Solutions
<b>Address</b>	A/S Vestfrost Falkevej 12 Esbjerg Ø Syddanmark Denmark

---

<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2027</i>
----------------------------	---------------------	---------------------	--------------------

---

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