



E003: Refrigerators and freezers



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Product name:	VLS 086A RF SDD
IMD-PQS Code:	E003-157
Status:	Prequalified
Date of acceptance:	30 Mar 2026
Appliance type:	E003
Product description:	Solar direct drive combined refrigerator/freezer
Manufacturer:	Vestfrost Solutions
Manufacturers Reference:	VLS 086A RF SDD
Country of Manufacture:	Denmark
Address:	A/S Vestfrost Falkevej 12 Esbjerg Ø Syddanmark Denmark
Telephone:	+45 7914 2527
Email:	clc@vestfrostsolutions.com
Website address:	http://vestfrostsolutions.com/
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

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

PRODUCT SPECIFICATIONS - ADDITIONAL FREEZER

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

Comments	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.
List of accessories	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
List of spare parts, Reference & Price	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

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

QUALITY STANDARD

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

VERIFICATION

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

PRODUCT SITES

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

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.