



E003: Refrigerators and freezers



Product name:	VLS 076 RF SDD
IMD-PQS Code:	E003-119
Status:	Prequalified
Date of acceptance:	02 Feb 2021
Appliance type:	E003
Product description:	Solar Direct Drive Refrigerator
Manufacturer:	Vestfrost Solutions
Manufacturers Reference:	VLS 076 RF SDD
Country of Manufacture:	Denmark
Address:	A/S Vestfrost Falkevej 12 DK-6705 Esbjerg Ø Denmark Denmark
Telephone:	+45 7914 2527
Email:	clc@vestfrostsolutions.com
Website address:	http://vestfrostsolutions.com/
Valid until:	31 Dec 2025

Specifications

PRODUCT SPECIFICATIONS - MAIN

Climate zone	Hot	Minimum rated ambient temperature (°C)	5.00
Freeze protection	Grade A	External dimensions length (mm)	650.00
External dimensions width (mm)	1280.00	External dimensions height (mm)	960.00
Performance at" (°C)	43.00	Fuel and refrigeration cycle	Electric - compression
Energy source	Solar direct drive	Lining	Ice-lined
Energy Consumption During Freezing (kWh/24h)	1.0800	Energy Consumption Intermittent Power (kWh/24h)	0.4330
Energy Consumption Cool Down (kWh/24h)	1.0600	Energy Consumption Continuous Power (kWh/24h)	0.4370

PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

Refrigerator vaccine storage capacity(L)	61.250	Refrigerator's gross volume (Litres)	111.000
Autonomy (hrs:mn)	89:32	Refrigerant type	R600a
Solar radiation ref period (kWh/m2/day)	3.50		

PRODUCT SPECIFICATIONS - ADDITIONAL FREEZER

Freezer's gross volume (Litres)	34.30
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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 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. Range of holdover time: 51 - 100 hours Waterpack freezing capacity: 3 x 0.6 L Waterpacks per/24h Waterpack storage capacity: 29 x 0.6 L Waterpacks
List of 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
List of spare parts, Reference & Price	Comporssor (BD35K 101Z0211) 10-45V - 8-036510223 Thermostat refrigerator (Dixell) - 7095178 Thermostat freezer (Ranco) - 6520038 Fan Set refrigerator - 7090403 Fan Set freezer - 7030823 PV Thermometer - 7020392-03

PRICE AND SHIPPING

Shipping volume (m3)	1.15	Shipping weight (kg)	157.00
Incoterms	EXW	Price 1	EUR 5177
Year of base price	2021		

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2008
Specification Reference	Applicable PQS specification: E003/RF05.6 Applicable PQS VP(s): E003/RF05-VP.6		

VERIFICATION

Verification Laboratory	Danish Technological Institute	Address	Gregersensvej DK-2630 Taastrup Danmark Denmark
Phone	+45 72202472	Email	hans.walloe@teknologisk.dk

PRODUCT SITES

Organization name	Vestfrost Solutions
Address	A/S Vestfrost Falkevej 12 DK-6705 Esbjerg Ø Denmark Denmark

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 Dec 2025</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.