ULTF-7i

ULT TECHNICAL SPECIFICATIONS

Multi voltage.



-20°C
-86°c

DIMENSIONS	
Outer Dimensions HxWxD, mm	732x457x650
Depth incl. door handle	720
Inner Dimensions HxWxD, mm	310x150x145
Weight Gross/Net, kg	83 / 63
Material inner cabinet	Stainless steel
Material outer cabinet	Painted Steel
Packaging weight, kg	20
Packaging dimensions HxWxD, mm	909x529x754
Insulation thickness	120
Insulation type	Polyurethane with Cyclopentane
Mobility	4 x adjustable feet
Refrigerant, Type / gram	Nature R 2/85gr
FEATURES	
Lock	☑
LED light	⦸
Battery Backup for Controller, 24h	☑
Porthole	☑
Porthole size	20 mm
Dry contact	☑
Door reversibility	⦸
Vacuum valve	☑
VIP (Vacuum Insulated Panel)	☑
STORAGE	
Capacity (L)	7
ALARMS	
High / Low temperature	☑
Open door	☑
Power failure	☑
Probe failure	☑
COOLING	
Refrigerant	Nature R
Noise	< 48
Voltage	100-240 V
Frequency	50/60 Hz
Temperature range	-20 / -86

Products are subject to change due to enhancements and continuous development. Vestfrost Solutions reserve the right to alter any information, without further notice.

Updated 01/2026

A/S Vestfrost | Falkevej 12 | DK-6705 Esbjerg Ø | www.vestfrostsolutions.com

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Multi voltage.

Voltage/Frequency	Voltage/Hz	100-240 V, 50/60Hz
Max Ambient	°C	32
Max Humidity	% rh	65
PERFORMANCE		
All data in RT20°C		
Temperature Range	°C	-20 to -86
Uniformity in performance - difference between top and bottom	°C	+/- 2,5
Pull down time	Minutes	132 min. to -75°C
Hold over time	Minutes	N/A
Noise	dB	< 48
Energy Saving Mode	kWh/24h	NA
Energy Consumption, kWh / 24h	kWh/24h	2,94 kWh/24h Set -80
Energy year	kWh/year	1073kWh/y Set -80°C
Instant Power Consumption	kW	PD 0,300/Stable 0,190
Heat Rejection*	W	150
U-Value	W/m^2 K	N/A
COOLING COMPONENTS		
Refrigerant/Amount (gram)		Nature R 2/85gr
Number of compressors	pcs	1
Variable speed compressor	Yes/No	Yes
Internal air distribution (type of)		Static
Evaporator Fan	Yes/No/Variable	No
Condenser Fan	Yes/No/Variable	Yes
Number of probes	pcs	2
Defrost	Yes/No	No
CONTROLLER		
Controller	y/n/optional	yes
Controller type		i-Care touch
USB Connection	y/n	yes
Data connection	USB	yes
Controller abilities		logging of data & alarms
Controller languages		EN, DE, FR
Temperature curve in controller	y/n	yes

* Heat Rejection is defined as average power based on energy consumption, rounded up to nearest 50W.

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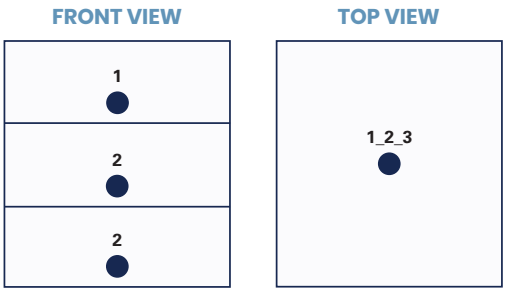
VESTFROST SOLUTIONS

ULTF-7i

ULT TECHNICAL SPECIFICATIONS

Multi voltage.

SENSOR POSITION



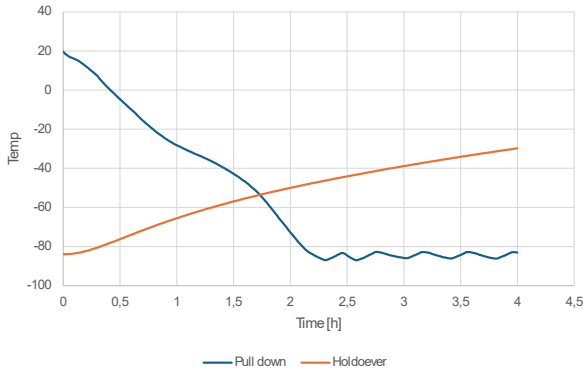
MODEL ULTF-7I

Test type	8-point test
Test environment	Controlled conditions, empty cabinet
Ambient temperature	25°C
Humidity	60%
Set-point	-82°C
Sensor used	25gr tinned brass formed as a cylinder with a diameter of 15,2 mm
Installation	Appliance installed according to instruction manual conditions
Refrigerant	Nature R

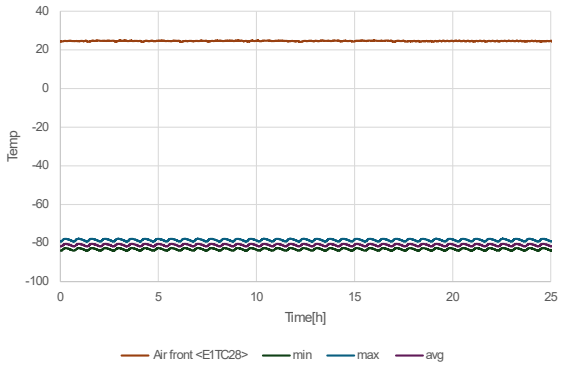
SENSOR TEMPERATURE

Sensor position	P1	P2	P3
Max	-79,2	-82,1	-84,0
Avg.	-77,8	-80,9	-82,5
Min.	-78,4	-81,4	-83,2

WARM UP & PULL DOWN



CYCLIC OPERATION



TYPICAL PERFORMANCE IN AMBIENT 25°C - EMPTY CABINET

Avg. cabinet temperature at -82°C setpoint	-81,8°C
Uniformity	+/- 2,5°C
Stability	1,4°C
1 min. door open recovery to -75°C	32 min.
Cycle rate -82°C setpoint on/off	50/5 min./min.
Duty cycle -82°C setpoint	90%
Energy consumption	2,94 kWh/day
Pull down time to -75°C avg. temperature	120 min.
Hold over time from avg. -82°C to -60°C	80 min.
Heat rejection	150 W

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