



DIMENSIONS	
Outer Dimensions HxWxD, mm	836x699x720
Depth incl. door handle	790
Inner Dimensions HxWxD, mm	310x360x445
Weight Gross/Net, kg	108 / 82
Material inner cabinet	Stainless steel
Material outer cabinet	Painted Steel
Packaging weight, kg	26
Packaging dimensions HxWxD, mm	1050x750x850
Insulation thickness	120
Insulation type	Polyurethane with Cyclopentane
Mobility	2 x adjustable feet, 2 x castors
Refrigerant, Type / gram	Nature R 2/99gr
FEATURES	
Lock	✓
LED light	0
Battery Backup for Controller, 24h	☑
Porthole	
Porthole size	20 mm
Dry contact	☑
Door reversibility	0
Vacuum valve	☑
VIP (Vacuum Insulated Panel)	lacksquare
STORAGE	
Capacity (L)	50
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
Ambient condition	25 °C



Voltage/Frequency         Voltage/Hz         100-240 V, 50/60Hz           Max Ambient         °C         32           Max Humidity         % rh         65           PERFORMANCE           All data in RT20°C         C         -20 to -86           Contiference between top and bottom         °C         -20 to -86           Uniformity in performance - difference between top and bottom         °C         +7-25           Pull down time         Minutes         80 min to -75°C           Minutes         Minutes         80 min to -75°C           Energy Consumption, kWh / 24h         kWh/24h         4.34 kWh/24h Set -80°C           Energy Soen         Minutes         Minutes         <			
Max Ambient         °C         32           Max Humidity         % rh         65           PERFORMANCE           All data in R720°C         ————————————————————————————————————			
Max Humidity         % rh         65           PERFORMANCE           All data in RT20°C         ————————————————————————————————————	Voltage/Frequency	Voltage/Hz	100-240 V, 50/60Hz
PERFORMANCE           All data in RT20°C	Max Ambient	°C	32
All data in RT20°C         C         −20 to −86           Temperature Range         °C         −20 to −86           Uniformity in performance – difference between top and bottom         °C         1/- 25           Pull down time         Minutes         90 min. to −75°C           Hold over time         Minutes         90 min. to −75°C           Hold over time         Minutes         N/A           Noise         dB         4.88           Energy Consumption, kWh / 24h         kWh/24h         4.34 kWh/24h Set −80°C           Energy year         kWh/year         1584kWh/y set −80°C           Instant Power Consumption         kW         PD 0,800/Stable 0,280           Heat Rejection*         W         PD 0,800/Stable 0,280           Heat Rejection*         W         PD 0,800/Stable 0,280           U-Value         W/m^2 k         N/A           COOLING COMPONENTS           Refrigerant/Amount (gram)         Nature R 2/99gr           Number of compressors         pcs         1           Variable speed compressor         yes/No         Yes           No         Yes/No         Yes           Condenser Fan         Yes/No/Variable         No           Controller         Yes/No/Variable	Max Humidity	% rh	65
Temperature Range	PERFORMANCE		
Uniformity in performance - difference between top and bottom  Minutes  Min	All data in RT20°C		
- difference between top and bottom Pull down time Minutes Min	Temperature Range	°C	-20 to -86
Hold over time         Minutes         N/A           Noise         dB         < 48           Energy Consumption, kWh / 24h         kWh/24h         4,34 kWh/24h Set -80°C           Energy year         kWh/year         1584kWh/y Set -80°C           Instant Power Consumption         kW         PD 0,600/\$table 0,280           Heat Rejection*         W         200           U-Value         W/m^2 K         N/A           COOLING COMPONENTS           Refrigerant/Amount (gram)         Nature R 2/99gr           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         Yes/No         No           CONTROLLER         Yes         FCare touch           USB Connection         y/n         Yes           Data connection         USB         Logging of data & alarms           Controller languages <t< th=""><td></td><td>°C</td><td>+/- 2,5</td></t<>		°C	+/- 2,5
Noise         dB         48           Energy Consumption, kWh / 24h         kWh/24h         4,34 kWh/24h Set -80 °C           Energy year         kWh/year         1584kWh/y Set -80 °C           Instant Power Consumption         kW         PD 0,600/Stable 0,280           Heat Rejection*         W         200           U-Value         W/m^2 K         N/A           COOLING COMPONENTS           Refrigerant/Amount (gram)         Nature R 2/99gr           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         Yes/No         No           CONTROLLER         Pos         i-Care touch           USB Connection         y/n         Yes           Data connection         USB         Logging of data & alarms           Controller abilities         EN, DE, FR	Pull down time	Minutes	90 min. to -75°C
Energy Consumption, kWh / 24h         kWh / 24h         4.34 kWh / 24h Set -80°C           Energy year         kWh / year         1584kWh / y Set -80°C           Instant Power Consumption         kW         PD 0.800/Stable 0.280           Heat Rejection*         W         200           U-Value         W/m^2 k         N/A           COOLING COMPONENTS         ***         N/A           Refrigerant/Amount (gram)         Nature R 2/99gr           Number of compressors         pcs         1           Variable speed compressor         Yes/No         Yes           Internal air distribution (type of)         Static         Static           Evaporator Fan         Yes/No/Variable         No           Condenser Fan         Yes/No/Variable         Yes           Number of probes         pcs         2           Defrost         Yes/No         No           CONTROLLER         Yes/No         No           CONTROLLER         Yes         Post on to the controller type         Fear to the controller type           Controller type         Post on the controller type         Post on	Hold over time	Minutes	N/A
Energy year kWh/year 1584kWh/y Set -80°C Instant Power Consumption kW PD 0,600/Stable 0,280 Heat Rejection* W 200 U-Value W/m^2 k N/A COOLING COMPONENTS  Refrigerant/Amount (gram) Nature R 2/99gr 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 No CONTROLLER  Controller Y/n/optional Yes Ontroller type Pota Controller type Pota Connection Y/n Yes Data connection USB Controller Set Controller	Noise	dB	< 48
Instant Power Consumption     kW     PD 0,600/Stable 0,280       Heat Rejection*     W     200       U-Value     W/m^2 K     N/A       COOLING COMPONENTS       Refrigerant/Amount (gram)     Nature R 2/99gr       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	Energy Consumption, kWh / 24h	kWh/24h	4,34 kWh/24h Set -80
Heat Rejection*  U-Value  W/m^2 K  N/A  COOLING COMPONENTS  Refrigerant/Amount (gram)  Nature R 2/99gr  Number of compressors  pcs  1  Variable speed compressor  Yes/No  Static  Evaporator Fan  Yes/No/Variable  No  Condenser Fan  Yes/No/Variable  Yes  Number of probes  pcs  2  Defrost  Yes/No  No  CONTROLLER  Controller  Controller type  J/n/optional  Yes  Controller type  J/n  J/n  J/n  J/n  J/n  J/n  J/n  J/	Energy year	kWh/year	1584kWh/y Set -80°C
U-Value W/m^2 K N/A  COOLING COMPONENTS  Refrigerant/Amount (gram) Nature R 2/99gr 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 Factor of the Controller Section Sectio	Instant Power Consumption	kW	PD 0,600/Stable 0,280
Refrigerant/Amount (gram)  Refrigerant/Amount (gram)  Number of compressors  pcs  1  Variable speed compressor  Yes/No  Internal air distribution (type of)  Evaporator Fan  Yes/No/Variable  No  Condenser Fan  Yes/No/Variable  Yes Number of probes  pcs  2  Defrost  Yes/No  No  CONTROLLER  Controller  USB Connection  y/n/optional  Yes  Controller data connection  USB  Controller abilities  Logging of data & alarms  Controller languages	Heat Rejection*	W	200
Refrigerant/Amount (gram)  Number of compressors  pcs 1  Variable speed compressor  Internal air distribution (type of)  Evaporator Fan  Yes/No/Variable  Condenser Fan  Yes/No/Variable  Yes/No/Variable  Yes Number of probes  pcs 2  Defrost  Ves/No  No  CONTROLLER  Controller  USB Connection  Ves  Ves  Ves  Ves  Logging of data & alarms  Controller languages  Nature R 2/99gr  Pos 1  Internal Alary (1988)  Inter	U-Value	W/m^2 K	N/A
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       Yes/No       No         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	COOLING COMPONENTS		
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	Refrigerant/Amount (gram)		Nature R 2/99gr
Internal air distribution (type of)  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 Factor y/n Yes Data connection Y/n Yes Controller abilities Controller anguages  EN, DE, FR	Number of compressors	pcs	1
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 y/n/optional Yes USB Connection y/n Yes Data connection USB Yes Controller abilities Logging of data & alarms Controller languages	Variable speed compressor	Yes/No	Yes
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	Internal air distribution (type of)		Static
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	Evaporator Fan	Yes/No/Variable	No
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	Condenser Fan	Yes/No/Variable	Yes
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	Number of probes	pcs	2
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	Defrost	Yes/No	No
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	CONTROLLER		
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	Controller	y/n/optional	Yes
Data connection     USB     Yes       Controller abilities     Logging of data & alarms       Controller languages     EN, DE, FR	Controller type		i-Care touch
Data connection     USB     Yes       Controller abilities     Logging of data & alarms       Controller languages     EN, DE, FR	USB Connection	y/n	Yes
Controller languages EN, DE, FR	Data connection		Yes
	Controller abilities		Logging of data & alarms
Temperature curve in controller y/n Yes	Controller languages		EN, DE, FR
	Temperature curve in controller	y/n	Yes

 $<sup>^{\</sup>ast}$  Heat Rejection is defined as average power based on energy consumption, rounded up to nearest 50W.