

CROSS-SECTION	INFORMATION
<p>WNEV-17-1895G</p> <p>WNEV-17</p>	<p>name: Everest 2.0</p> <p>symbol: WNEV-17</p> <p>code: 3L1-R-R449A-CCP-00E</p> <p>temp. class: 3L1</p> <p>product temperature: -25...-18 °C</p> <p>working temp.: -25...-21 °C</p> <p>power supply: ~230,400V/50Hz</p> <p>refrig. supply: REMOTE</p> <p>refrigerant: R448A,R449A</p> <p>glass: covers</p> <p>type of glass: singel, curved</p> <p>defrosting: electric</p> <p>fans: ESM (room)</p> <p>lighting: LED (island)</p>

EXPOSITION SURFACES

surface	*	rows number	product	width [mm]	load height [mm]	angle [°]	load [kg/m2]
bottom shelf	1	1	normal	865	450	0	200

CHARACTERISTIC

module	*	[-]	1895G	1875	2500	3750	x 1.0
module length	2	[mm]	1895	1875	2500	3750	-
display opening area	3	[m2]	0,86	2,08	2,77	4,16	-
total display area (TDA)	4	[m2]	3,04	4,57	6,10	9,15	-
visibility of products (VPA)	5	[m2]	1,26	1,11	1,49	2,23	-
net volume	6	[dm3]	737	1432	1909	2864	-
refrigerated shelf area	7	[m2]	1,64	3,18	4,24	6,36	-
net weight	8	[kg]	-	-	-	-	-

NOTICE

* development version

The information included in the Technical Data of device refers to certain equipment defined in the first page.

All values and parameters are defined on the basis of standard PN EN ISO 23953 for the given temperature class, range of temperature and equipment

RECOMMENDATIONS

The correct work of devices enables its non-failure work with energetical rated parameters

Complying with the rules of device loading guarantees the stable temperature parameters of stored products

Properly selected operating parameters allow you to greatly reduce the cost of electricity consumption.

THE MANUFACTURER RESERVES THE RIGHT TO ALTER THE FEATURES AND TECHNICAL SPECIFICATIONS OF ITS PRODUCTS.

AMBIENT PARAMETERS

1	climate class	-	3
2	max. ambient temperature	[°C]	25
3	max. ambient humidity	[%]	60
4	illumination	[lux]	200
5	max. ambient air speed	[m/s]	0.2

DEVICE WORKING PARAMETERS

6	device temperature class	-	L1
7	cabinet temperature	[°C]	-25...-21
8	refr. evaporating / condensing temp.	[°C]	-32(dew) / +35
9	suction superheat / overcolling	[K]	5 / 0
10	refrigerant	R448A,R449A	
11	Maximum allowable pressure PS	[bar]	30

COOLING DATA

module	*	[-]	1895G	1875	2500	3750	x 1.0
cooling capacity \dot{Q}_{24}	12	[W]	544	768	1024	1536	410
heat extraction rate HER	13	[W]	564	790	1053	1580	421
inlet tube	14	[mm]	10	10	10	10	-
outlet tube	15	[mm]	12	12	16	18	-

ELECTRICAL DATA

module	*	[-]	1895G	1875	2500	3750	x 1.0
power supply	16	[V/Hz]	~230,400/50	~230,400/50	~230,400/50	~230,400/50	~230,400/50
defrosting	17	[W]	1750	2580	3660	5400	1464
	18	[A]	-	-	-	-	-
	19	[A(3)]	3,26	4,52	6,43	9,78	2,57
fans	20	[x]	2	4	8	12	-
	21	[W]	3	7	14	20	5
	22	[A]	0,02	0,04	0,08	0,12	0,03
lighting	23	[W]	17	15	44	66	18
	24	[A]	0,09	0,08	0,25	0,37	0,10
heaters	25	[W]	144	274	356	548	142
	26	[A]	0,63	1,20	1,54	2,38	0,62

RATED DATA

module	*	[-]	1895G	1875	2500	3750	x 1.0
power rate, current	27	[W]	1914	2875	4074	6034	1629
	28	[A]	-	-	-	-	-
	29	[A(3)]	3,26	4,52	6,43	9,78	2,57

ELECTRICAL CONSUMPTION

module	*	[-]	1895G	1875	2500	3750	x 1.0
REC	30	[kWh/24h]	10,67	15,06	20,08	30,12	8,03
DEC	31	[kWh/24h]	4,90	8,20	11,22	17,12	4,49
TEC	32	[kWh/24h]	15,57	23,26	31,30	47,24	12,52
EEI	33	[%]	44	46	47	48	-
Energy efficiency class / Class (EEI)**	34		D	D	D	D	-

** Energy efficiency class - refers to the energy labeling standard according to European Regulation (EU) 2019/2018

WORKING PARAMETERS

35	defrosting time	[h/24h]	0.6	37	working time of heaters	[h/24h]	24
36	working time of fans	[h/24h]	23.2	38	working time of lighting	[h/24h]	12

PARAMETERS OF ELECTRICAL TERMINALS

39	power supply, 3P+N+PE	[V/Hz]	~230,400/50	40	electric connection	[mm2]	2.5
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$\dot{Q}_{run} = \dot{Q}_{24} \times 1.2$ - COOLING CAPACITY NECESSARY FOR A SINGLE CABINET INSTALLATION
 \dot{Q}_{24} - COOLING CAPACITY NECESSARY FOR A MULTI-CABINET INSTALLATION
 HER - COOLING CAPACITY FOR ENERGY CONSUMPTION CALCULATION

DEC - DIRECT ENERGY CONSUMPTION
 REC - REFRIGERATION ENERGY CONSUMPTION
 TEC - TOTAL ENERGY CONSUMPTION

NOTICE

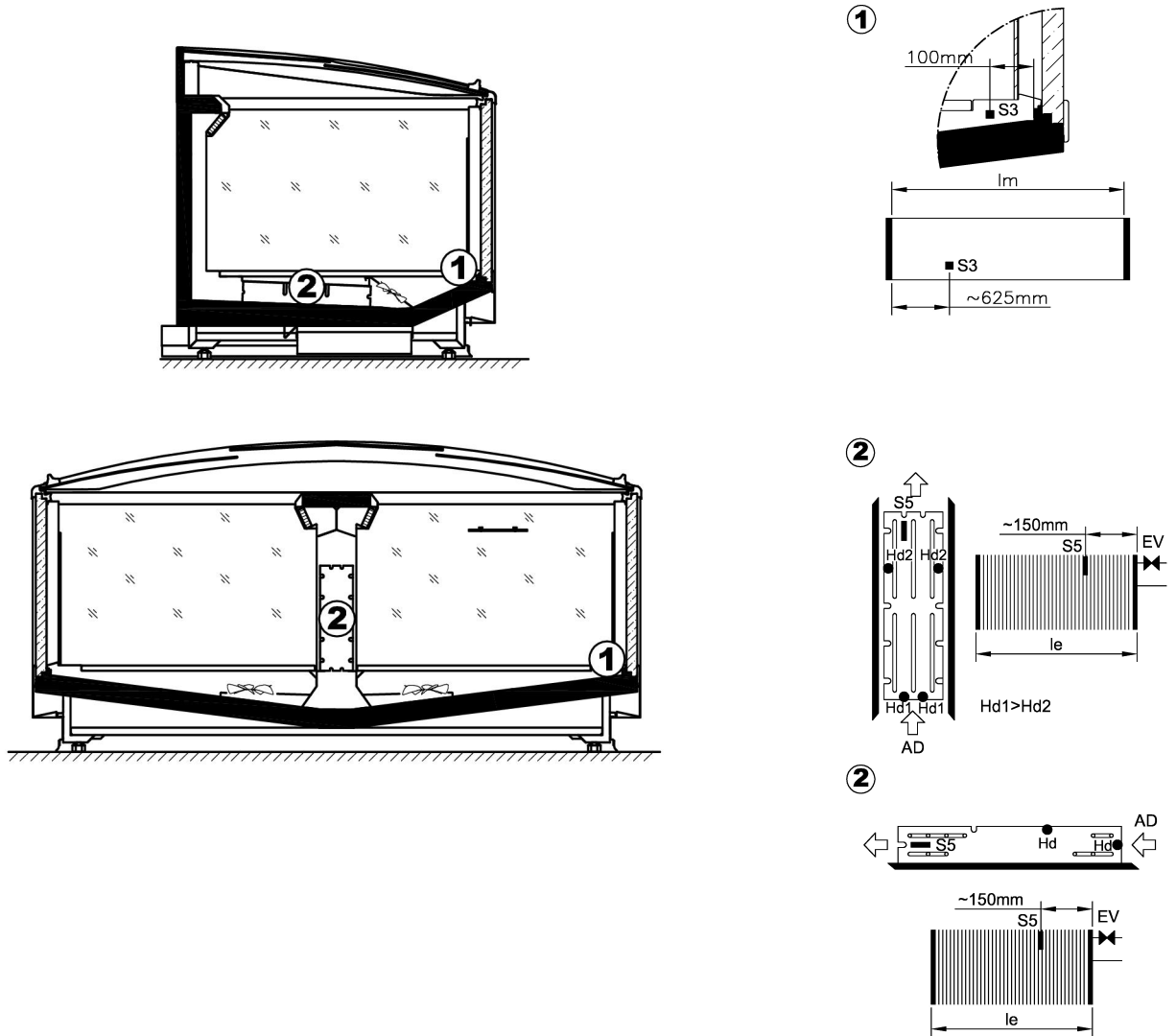
Line of equipment means as connection of some pieces of equipment, supplied by the same cooling system.
 Cooling capacity of a single device or a short line of equipment must be increased by a factor of simultaneity.
 Evaporation temperature given is an average one, which you have to provide while equipment works to guarantee its work in environmental conditions.
 Decision concerning compressor choice should be made taking into consideration loss of evaporation temperature caused by connections (evaporation temperature is always lower than given).
 In the devices with night curtain or covers, the covering time is 12h.

CONTROLLING PARAMETERS

1	set point ST	[°C]	-22	6	correction ST by night	[K]	0
2	differential ST	[°C]	1	7	defrosting number	[il/24h]	2
3	set point correction ST	[°C]	0	8	temperature of defrosting end	[°C]	10
4	fan running during defrosting	[yes/no]	yes/no*	9	maximum time of defrosting	[min]	60
5	stop fans temperature	[°C]	-	10	dripping time	[min]	5

*module 1895G / other modules

WARNING! It is absolutely necessary to ensure that all devices connected in a line, in particular freezing devices, have synchronization of the defrosting process.



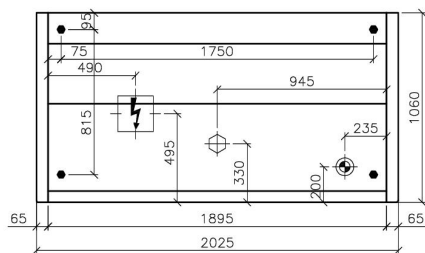
1 - LOCALIZATION OF CONTROL PROBE
2 - LOCALIZATION OF DEFROSTING PROBE, DEFROSTING HEATERS
lm - MODULE LENGTH

S3 - CONTROL PROBE
S5 - DEFROSTING PROBE
le - LENGTH OF EVAPORATOR

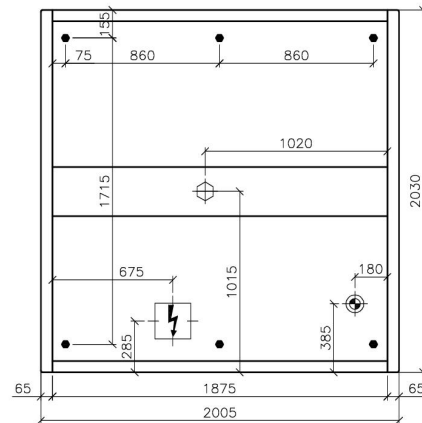
Hd - DEFROSTING HEATER
EV - EXPANSION VALVE
AD - AIR FLOW DIRECTION

NOTICE

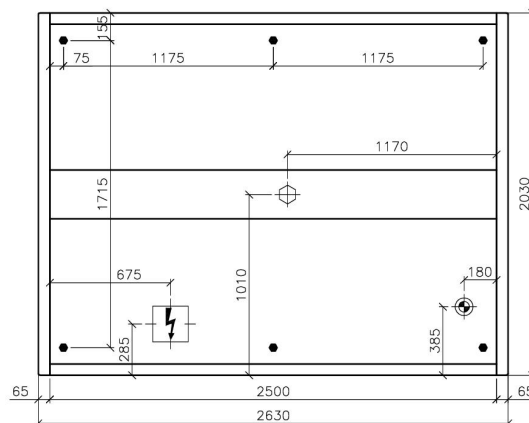
Automatic control system should ensure deicing from evaporator and removal of water.
The devices in line must be controlled dependently. The control system of particular devices in line must synchronize the start and end of defrosting process
The defrosting process should be managed by temperature. 9-th parameter should be treated as emergency.
If the parameter number 4 is set on 'no' value, the fans work depends on the temperature value of defrosting probe (parameter no 5). During the dripping time of evaporator the fans don't work.
The correction set point by night ensures the correct device work with closed curtains. The parameter beneficially influences energy saving.
If it is necessary, please modify parameters to provide good work of device



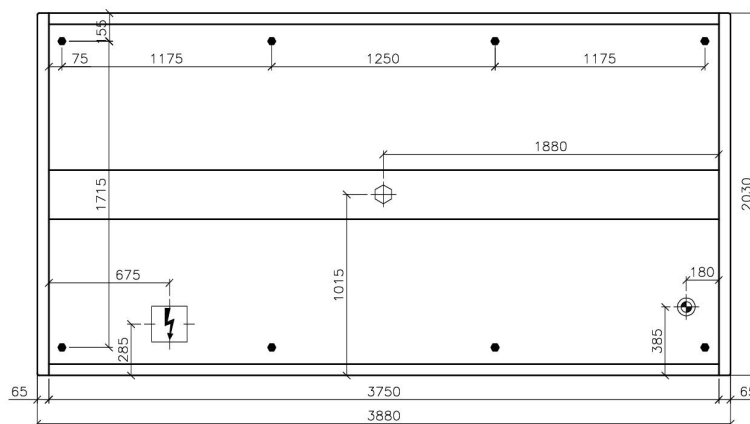
WNEV-17-1895G



WNEV-17-1875

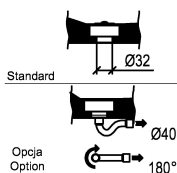


WNEV-17-2500



WNEV-17-3750

CONDENSAT WATER DRAINAGE



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|---------------------------------------|----------------------------------|--------------------------|
| REFRIGERATION CONNECTION UNDER DEVICE | ELECTRIC CONNECTION UNDER DEVICE | CONDENSAT WATER DRAINAGE |
| UPPER REFRIGERATION CONNECTION | UPPER ELECTRICAL CONNECTION | |

NOTICE

To arrange a device you need to ensure its correct ventilation. The surfaces of side glass must be moved from walls in order to guarantee air flow to dry them.
To ensure the correct work the refrigeration devices must be moved from a wall on the distance of 50mm (remote device) and 100mm (plug-in).
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