

CROSS-SECTION	INFORMATION
	name: Pamir 2.0 symbol: WNPR-04 code: 3L1-I-R290-CSS-T4 temp. class: 3L1 product temperature: -25...-18 °C working temp.: -25...-21 °C power supply: ~230V/50Hz refrig. supply: Plug-in refrigerant: R290 glass: covers type of glass: single, straight defrosting: hot gas fans: ESM (room) ESM (condenser)

EXPOSITION SURFACES							
surface	*	rows number	product	width [mm]	load height [mm]	angle [°]	load [kg/m <sup>2</sup> ]
bottom shelve	1	1	normal	785	240	0	200

CHARACTERISTIC							
module	*	[-]	1230	1530	2030	2530	
module length	2	[mm]	1100	1400	1900	2400	
display opening area	3	[m <sup>2</sup> ]	0,85	1,08	1,47	1,86	
total display area (TDA)	4	[m <sup>2</sup> ]	1,19	1,53	2,08	2,64	
visibility of products (VPA)	5	[m <sup>2</sup> ]	0,41	0,53	0,72	0,91	
net volume	6	[dm <sup>3</sup> ]	206	263	356	451	
refrigerated shelf area	7	[m <sup>2</sup> ]	0,86	1,10	1,49	1,88	
net weight	8	[kg]	-	-	-	-	

**NOTICE**  
 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]	-35 / +35
9	suction superheat / overcolling	[K]	- / -
10	refrigerant		R290
11	Maximum allowable pressure PS	[bar]	30

**COOLING DATA**

module	*	[-]	1230	1530	2030	2530
unit cooling capacity	12	[W]	434	434	601	735
total heat rejection	13	[kW]	0,78	0,78	1,08	1,32
inlet tube	14	[mm]	6	6	6	6
outlet tube	15	[mm]	10	10	10	10
refrigerant fluid	16	[g]	80	110	150	150

**ELECTRICAL DATA**

module	*	[-]	1230	1530	2030	2530
power supply	17	[V/Hz]	~230/50	~230/50	~230/50	~230/50
compressor	18	[W]	354	354	468	606
	19	[A]	2,10	2,10	2,74	3,84
defrosting, hot gas	20	[W]	509	559	707	935
	21	[A]	2,89	3,11	3,94	5,53
fans	22	[W]	2	3	3	3
	23	[A]	0,01	0,02	0,02	0,02
heaters	24	[W]	67	88	114	145
	25	[A]	0,28	0,37	0,49	0,64

**RATED DATA**

module	*	[-]	1230	1530	2030	2530
power rate, current	26	[W]	577	650	824	1083
	27	[A]	3,18	3,50	4,45	6,19

**ELECTRICAL CONSUMPTION**

module	*	[-]	1230	1530	2030	2530
TEC	28	[kWh/24h]	8,09	9,47	12,40	15,31
EEl	29	[%]	45	44	44	45
Energy efficiency class / Class (EEl)**	30		D	D	D	D

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

**WORKING PARAMETERS**

31	defrosting time	[h/24h]	0.5	33	working time of heaters	[h/24h]	24
32	working time of fans	[h/24h]	23.2	34	working time of lighting	[h/24h]	12

**PARAMETERS OF ELECTRICAL TERMINALS**

35	power supply P+N+PE	[V/Hz]	~230/50	36	electrical connection - plug-in socket	-	230V/16A
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TEC - TOTAL ENERGY CONSUMPTION

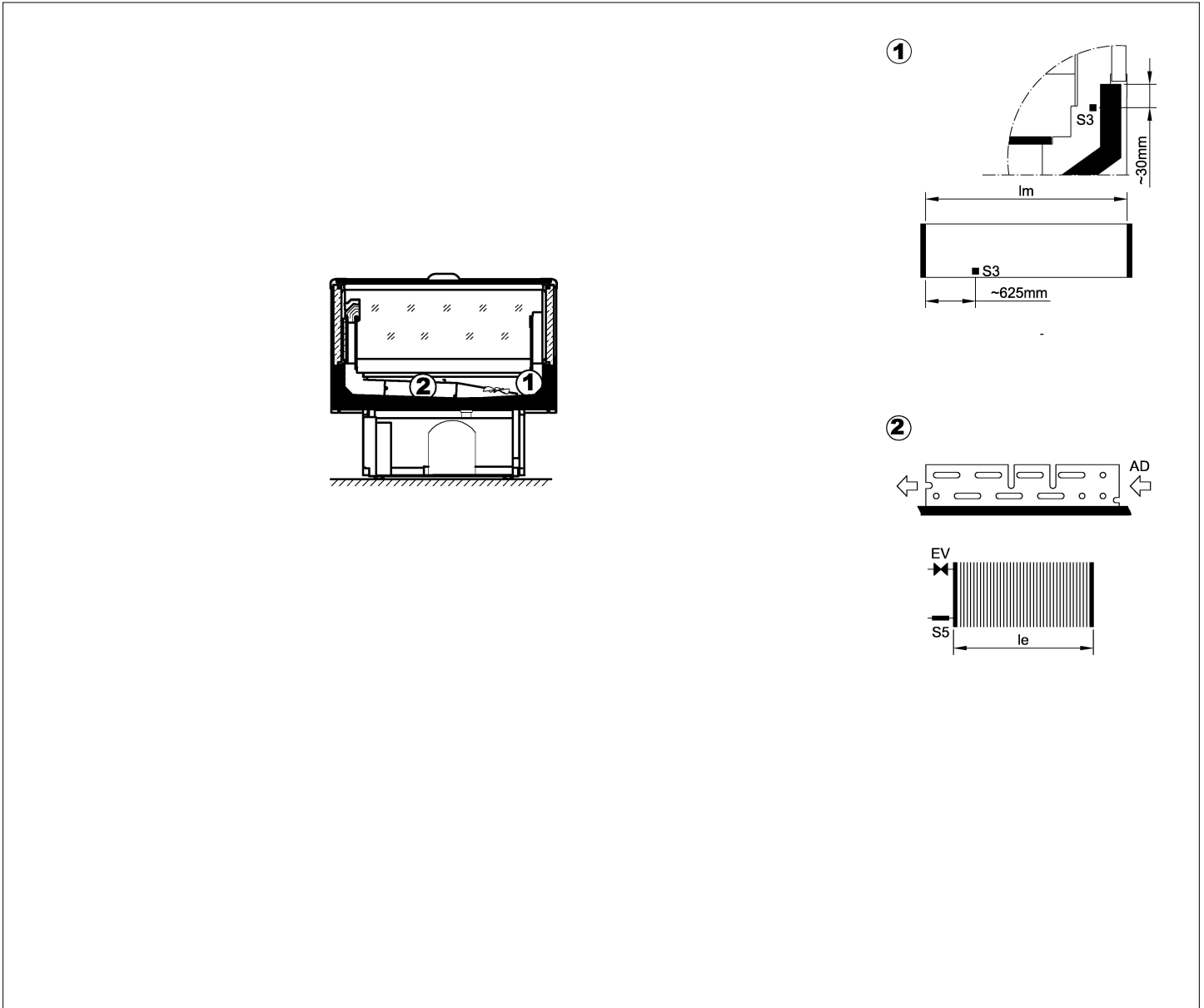
**NOTICE**

In the devices with night curtain or covers, the covering time is 12h.

CONTROLLING PARAMETERS

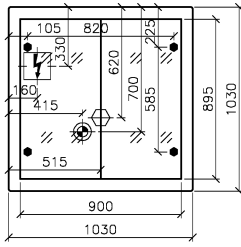
1	set point ST	[°C]	-22	6	correction ST by night	[K]	0
2	differential ST	[°C]	2	7	defrosting number	[il/24h]	2
3	set point correction ST	[°C]	0	8	temperature of defrosting end	[°C]	4
4	fan running during defrosting	[yes/no]	no	9	maximum time of defrosting	[min]	40
5	stop fans temperature	[°C]	-	10	dripping time	[min]	10

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

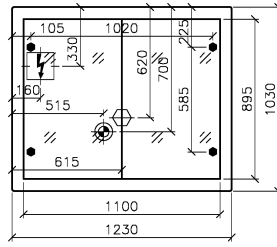


1 - LOCALIZATION OF CONTROL PROBE	S3 - CONTROL PROBE	Hd - DEFROSTING HEATER
2 - LOCALIZATION OF DEFROSTING PROBE, DEFROSTING HEATERS	S5 - DEFROSTING PROBE	EV - EXPANSION VALVE
lm - MODULE LENGTH	le - LENGTH OF EVAPORATOR	AD - AIR FLOW DIRECTION

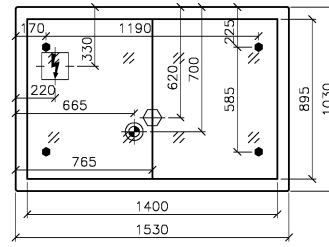
**NOTICE**  
Automatic control system should ensure deicing from evaporator and removal of water.  
The devices in line must be controlled dependently. The control system of particular devices in line must synchronize the start and end of defrosting process  
The defrosting process should be managed 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



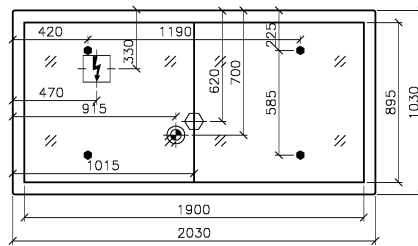
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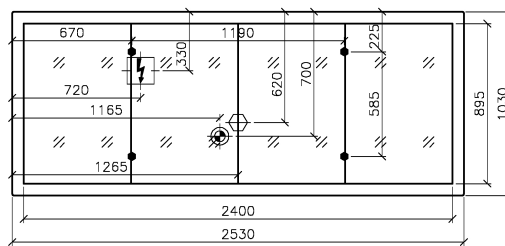
WNPR-04-1230



WNPR-04-1530



WNPR-04-2030



WNPR-04-2530

- |                                       |                                  |                          |
|---------------------------------------|----------------------------------|--------------------------|
| 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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