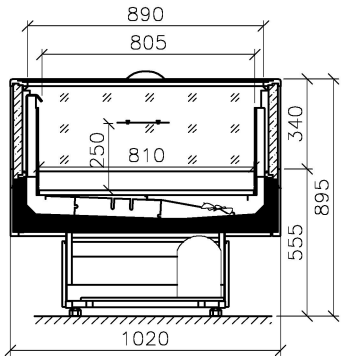
CROSS-SECTION



INFORMATION

name:	Pamir
symbol:	WNPA-15
code:	3L1-I-R290-CSS-T4
temp. class:	3L1
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)

EXPOSITION SURFACES

surface	*	rows number	product	width [mm]	load height [mm]	angle [°]	load [kg/m2]
bottom shelve	1	1	normal	810	250	0	200

CHARACTERISTIC

module	*	[-]	1220
module length	2	[mm]	1090
display opening area	3	[m2]	0,97
total display area (TDA)	4	[m2]	1,32
visibility of products (VPA)	5	[m2]	0,57
net volume	6	[dm3]	222
refrigerated shelf area	7	[m2]	0,89
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.

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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 / +45
9	suction superheat / overcolling	[K]	- / -
10	refrigerant	R290	

COOLING DATA			
module	*	[-]	1220
unit cooling capacity	11	[W]	434
total heat rejection	12	[kW]	0,78
inlet tube	13	[mm]	6
outlet tube	14	[mm]	10
refrigerant fluid	15	[g]	90

ELECTRICAL DATA			
module	*	[-]	1220
power supply	16	[V/Hz]	~230/50
compressor	17	[W]	373
	18	[A]	2,06
defrosting, hot gas	19	[W]	478
	20	[A]	2,63
fans	21	[W]	4
	22	[A]	0,28
heaters	23	[W]	82
	24	[A]	0,36

RATED DATA			
module	*	[-]	1220
power rate, current	25	[W]	563
	26	[A]	3,27

ELECTRICAL CONSUMPTION			
module	*	[-]	1220
TEC	27	[kWh/24h]	8,20

WORKING PARAMETERS							
28	defrosting time	[h/24h]	0.7	30	working time of heaters	[h/24h]	24
29	working time of fans	[h/24h]	23	31	working time of lighting	[h/24h]	12

PARAMETERS OF ELECTRICAL TERMINALS							
32	power supply P+N+PE	[V/Hz]	~230/50	33	electrical connection - plug-in socket	-	230V/16A

TEC - TOTAL ENERGY CONSUMPTION

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

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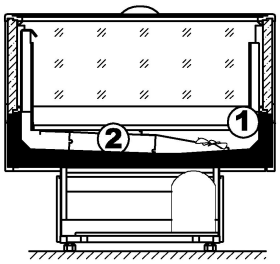
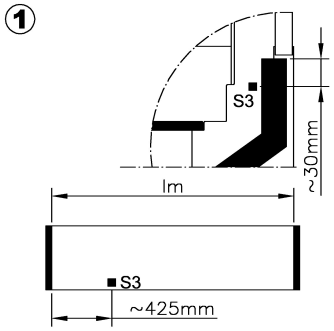
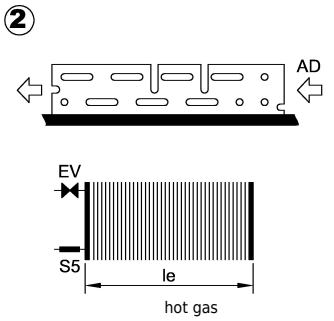
CONTROLLING PARAMETERS							
1	set point ST	[°C]	-20/2	6	correction ST by night	[°C]	0
2	differential ST	[°C]	1	7	defrosting number	[il/24h]	8
3	set point correction ST	[°C]	-2	8	temperature of defrosting end	[°C]	5
4	fan running during defrosting	[yes/no]	no	9	maximum time of defrosting	[min]	30
5	stop fans temperature	[°C]	-	10	dripping time	[min]	5



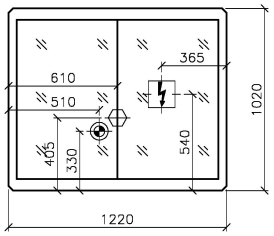




1 - LOCALIZATION OF CONTROL PROBE	S3 - CONTROL PROBE	Hd - DEFROSTING HEATER
2 - LOCALIZATION OF DEFROSTING PROBE, DEFROSTING HEATERS	S5 - DEFROSTING PROBE	EV - EXPANSION VALVE
lm - MODULE LENGTH	le - LENGTH OF EVAPORATOR	AD - AIR FLOW DIRECTION

NOTICE

Automatic control system should ensure deicinig 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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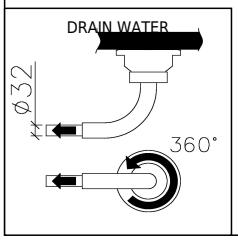

REFRIGERATION CONNECTION UNDER DEVICE
ELECTRIC CONNECTION UNDER DEVICE
CONDENSAT WATER DRAINAGE
UPPER REFRIGERATION CONNECTION
UPPER ELECTRICAL CONNECTION

NOTICE
To arrange a device you need to ensure its correct vantilation. 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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