

CROSS-SECTION	INFORMATION
	<p><b><u>name</u></b>  <b><u>type</u></b>: SWING DOORS  code: 811153  temp. class: 3M2  working temp.: -1/+7 C  power supply: 230V/50Hz  refrig. supply: PLUG-IN  refrigerant: R290  defrosting: air  fans: electrical  lighting: horizontal  no of rows: 2 single  kind of lighting: LED  doors: tempered double  glass (4 +10 +4)  type: hinged  opened: left/right</p>

EXPOSITION SURFACES							
surface	*	rows number	product	width [mm]	load height [mm]	angle [°]	load [kg/m2]
hanged shelf	1	6	normal	400	180	0	35
bottom shelf	2	1	normal	500	180	0	55

CHARACTERISTIC			
module	*	[-]	2500
module length	3	[mm]	2500
module height	4	[mm]	2200
module width	5	[mm]	870
display height	6	[mm]	1815
display opening area	7	[m <sup>2</sup> ]	4.54
total display area (TDA)	8	[m <sup>2</sup> ]	5.04
visibility of products (VPA)	9	[m <sup>2</sup> ]	1.91
net volume	10	[dm <sup>3</sup> ]	1305.00
refrigerated shelf area	11	[m <sup>2</sup> ]	7.25
net weight	12	[kg]	463

**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	-	M2
7	cabinet temperature	[°C]	-1/+7
8	refr. evaporating / condensing temp.	[°C]	-8/+45 C
9	suction superheat	[K]	5
10	refrigerant	R290	

COOLING DATA			
module	*	[-]	2500
unit cooling capacity	11	[W]	1528
inlet tube	13	[mm]	10
outlet tube	14	[mm]	12
refrigerant fluid	15	[kg]	0.15

ELECTRICAL DATA			
module	*	[-]	2500
power supply	16	[V/Hz]	230/50
compressor	17	[W]	814
	18	[A]	3.99
defrosting, hot gas	19	[W]	0
	20	[A]	0.00
fans	21	[W]	124
	22	[A]	0.61
lighting	23	[W]	53
	24	[A]	0.26
heaters	25	[W]	0
	26	[A]	0.00

RATED DATA			
module	*	[-]	2500
power rate, current	27	[W]	991
	28	[A]	4.85

ELECTRICAL CONSUMPTION			
module	*	[-]	2500
TEC	29	[kWh/24h]	11.89
AE	30	[kWh/a]	4338.39
EEL	31		17.10
			Energy Class: B

WORKING PARAMETERS						
32	defrosting time	[h/24h]	3	34	working time of heaters	[h/24h]
33	working time of fans	[h/24h]	12	35	working time of lighting	[h/24h]

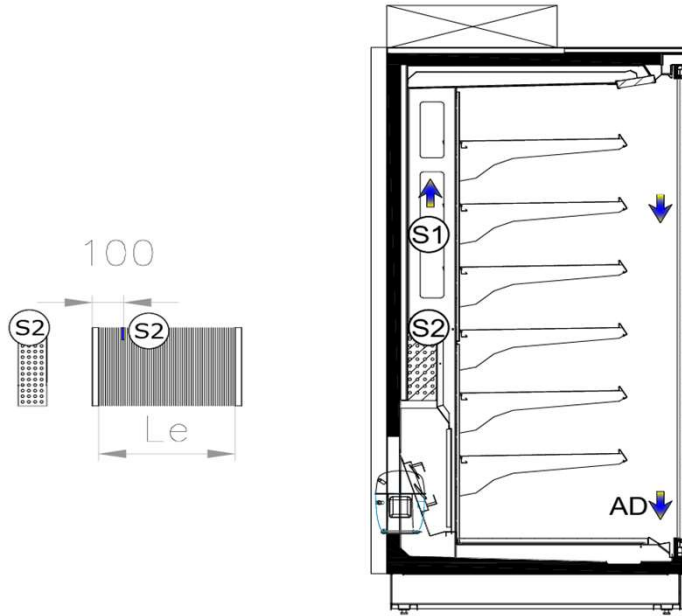
PARAMETERS OF ELECTRICAL TERMINALS						
36	power supply P+N+PE	[V/Hz]	230/50	37	electrical connection - plug-in socket	230V/16A

TEC - TOTAL ENERGY CONSUMPTION    EEL - ENERGY EFFICIENCY

**NOTICE**

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

CONTROLLING PARAMETERS						
1	set point ST	[°C]	1	6	correction ST by night	[°C] -
2	differential ST	[°C]	2	7	defrosting number	[h/24] 4
3	set point correction ST	[°C]	-	8	temperature of defrosting end	[°C] 8
4	fan running during defrosting	[yes/no]	yes	9	maximum time of defrosting	[min] 45
5	stop fans temperature	[°C]	-	10	dripping time	[min] 0



1 - LOCALIZATION OF CONTROL PROBE

2 - LOCALIZATION OF DEFROSTING PROBE, DEFROSTING HEATERS

Im - MODULE LENGTH

S1 - CONTROL PROBE

S2 - 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.

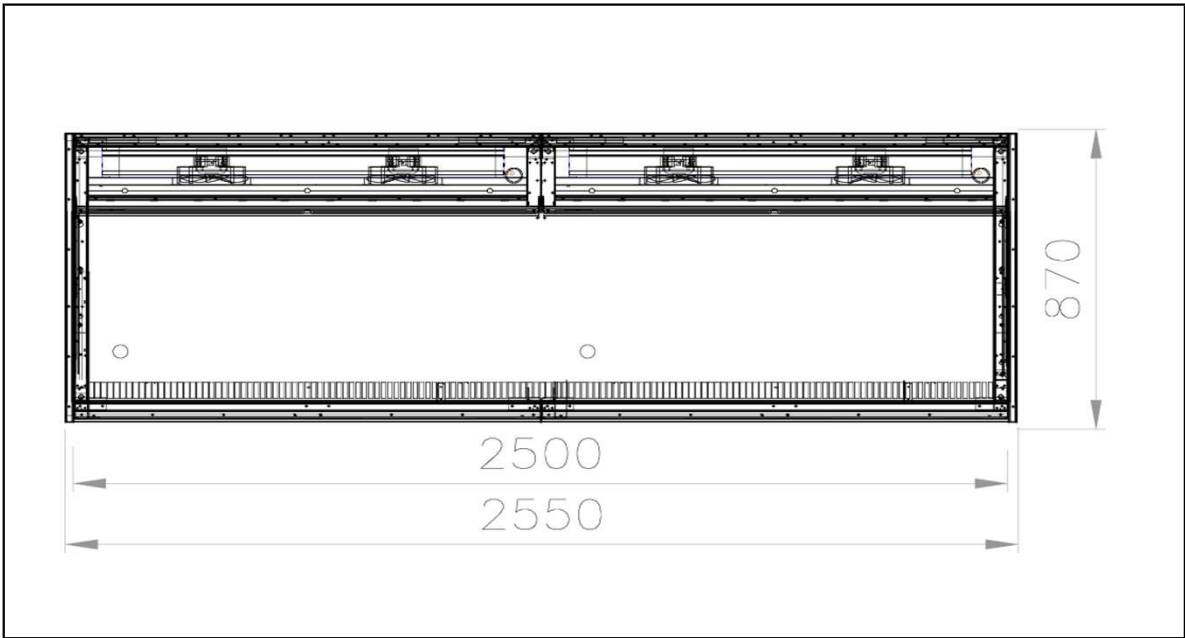
The devices in line must be controlled dependently. The control system of particular devices in line must synchronize the start and end of defrosting process.

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 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 savings.

If it is necessary, please modify parameters to provide good work of device.



**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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