

CROSS-SECTION	INFORMATION
	<p> name: Medium symbol: RDME-10 code: 3M1-I-R290-DVO-T4 temp. class: 3M1 ISO class: IVC4 product temperature: -1...+5 °C working temp.: 0...+2 °C power supply: ~230V/50Hz refig. supply: Plug-in refrigerant: R290 glass: doors type of glass: double, straight, HV defrosting: natural fans: ESM (room) ESM (condenser) lighting: LED (main) </p>

EXPOSITION SURFACES							
surface	*	rows number	product	width [mm]	load height [mm]	angle [°]	load [kg/m ²]
hanged shelve	1	4	normal	400	210	0/10	160
bottom shelve	2	1	normal	560	370	0	200

CHARACTERISTIC						
module	*	[-]	1250	1875	2500	
module length	3	[mm]	1250	1875	2500	
display opening area	4	[m ²]	1,89	2,84	3,79	
total display area (TDA)	5	[m ²]	1,91	2,87	3,82	
visibility of products (VPA)	6	[m ²]	1,61	2,41	3,21	
net volume	7	[dm ³]	677	1015	1354	
refrigerated shelf area	8	[m ²]	2,69	4,03	5,38	
net weight	9	[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	-	M1
7	cabinet temperature	[°C]	0...+2
8	refr. evaporating / condensing temp.	[°C]	-10 / +45
9	suction superheat / overcolling	[K]	- / -
10	refrigerant	R290	
11	Maximum allowable pressure PS	[bar]	30

COOLING DATA

module	*	[-]	1250	1875	2500
unit cooling capacity	12	[W]	485	696	812
total heat rejection	13	[kW]	0,73	1,04	1,22
inlet tube	14	[mm]	6	6	6
outlet tube	15	[mm]	8	10	10
refrigerant fluid	16	[g]	80	130	150

ELECTRICAL DATA

module	*	[-]	1250	1875	2500
power supply	17	[V/Hz]	~230/50	~230/50	~230/50
compressor	18	[W]	252	344	508
	19	[A]	1,93	2,24	3,98
fans	20	[W]	10	10	10
	21	[A]	0,24	0,38	0,38
lighting	22	[W]	15	23	30
	23	[A]	0,09	0,13	0,17

RATED DATA

module	*	[-]	1250	1875	2500
power rate, current	24	[W]	277	377	548
	25	[A]	2,26	2,75	4,53

ELECTRICAL CONSUMPTION

module	*	[-]	1250	1875	2500
TEC	26	[kWh/24h]	4,52	6,25	8,84
EEl	27	[%]	14	14	16
Energy efficiency class / Class (EEI)**	28		B	B	B

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

WORKING PARAMETERS

29	defrosting time	[h/24h]	1	31	working time of heaters	[h/24h]	-
30	working time of fans	[h/24h]	24	32	working time of lighting	[h/24h]	12

PARAMETERS OF ELECTRICAL TERMINALS

33	power supply P+N+PE	[V/Hz]	~230/50	34	electrical connection - plug-in socket	-	230V/16A
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TEC - TOTAL ENERGY CONSUMPTION

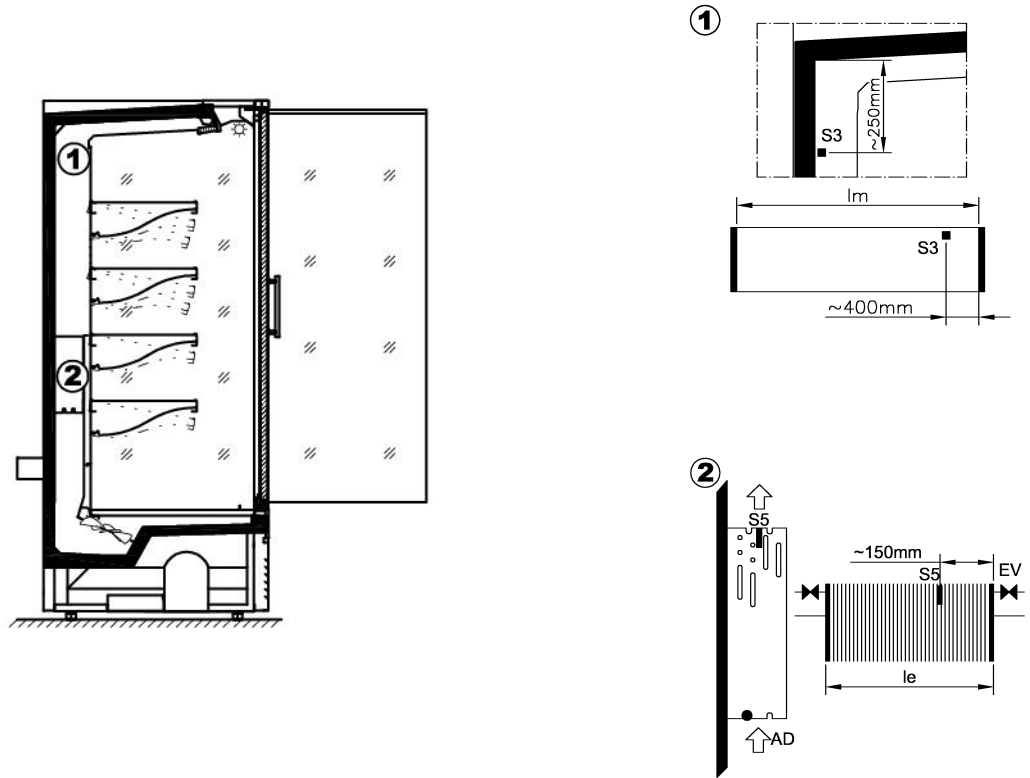
NOTICE

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

CONTROLLING PARAMETERS

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

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



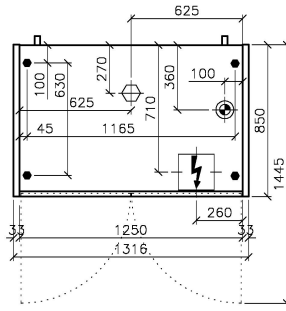
1 - LOCALIZATION OF CONTROL PROBE
2 - LOCALIZATION OF DEFROSTING PROBE, DEFROSTING HEATERS
lm - MODULE LENGTH

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

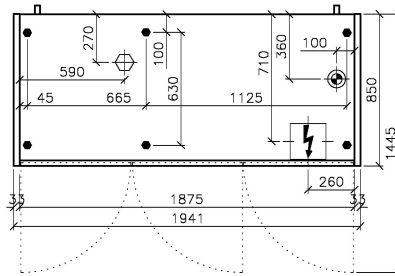
Hd - DEFROSTING HEATER
EV - EXPANSION VALVE
AD - AIR FLOW DIRECTION

NOTICE

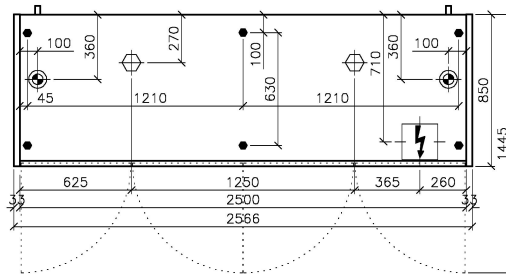
Automatic control system should ensure deicing from evaporator and removal of water.
The devices in line must be controlled dependently. The control system of particular devices in line must synchronize the start and end of defrosting process
The defrosting process should be managed by temperature. 9-th 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



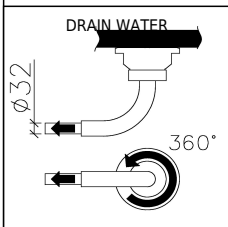
RDME-10-1250



RDME-10-1875



RDME-10-2500



- 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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