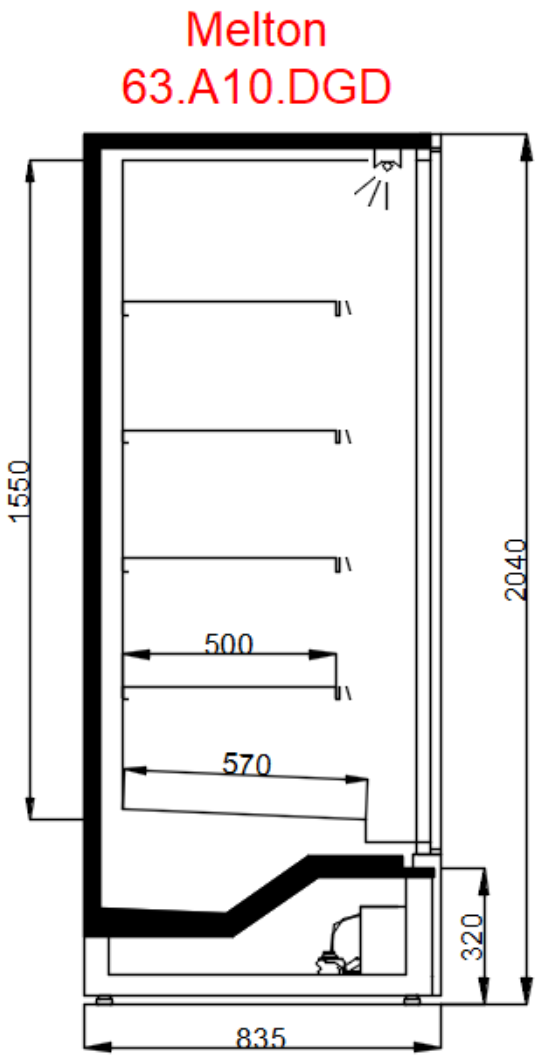
CROSS-SECTION



INFORMATION

MAIN
symbol: MELTON
code: 3M1-R290
temp. class: 3M1
refrig. supply: plug-in
refrigerant: R290

DEFROSTING
defrosting type:TIMING DEFROSTING

FANS
fans: room
type: FMI

lighting:
horizontal&vertical
type: 63.A10.L-DGD

EXPOSITION SURFACES							
surface	*	rows number	product	width [mm]	load height [mm]	angle [°]	load [kg/m2]
hanged shelve	1	4	normal	500	300	0	100
bottom shelve	2	1	normal	570	277	0	200

CHARACTERISTIC					
module	*	[m]	1250	1875	2500
MODULE LENGTH	3	[mm]	1250	1875	2500
DISPLAY OPENING AREA	4	[m2]	1,250	1,875	2,500
TOTAL DISPLAY AREA (TDA)	5	[m2]	4,2592	6,4056	8,5352
VISIBILITY OF PRODUCTS (VPA)	6	[m2]	1,25	1,87	2,5
NET VOLUME	7	[dm3]	2,47	3,71	4,95
REFRIGERATED SHELF AREA	8	[m2]	1,218	1,827	2,43
NET WEIGHT	9	[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 TS 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.

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]	-1...+7
8	refr. evaporating / condensing temp.	[°C]	-10 / +45
9	suction superheat / overcolling	[K]	- / -
10	refrigerant	R290	

COOLING DATA					
module	*	[m]	1250	1875	2500
UNIT COOLING CAPACITY	11	[W]	1165	1165	1165
INLET TUBE	12	[mm]	6	6	6
OUTLET TUBE	13	[mm]	10	10	10
REFRIGERANT FLUID	14	[kg]	0,17	0,20	0,27

ELECTRICAL DATA					
module	*	[m]	1250	1875	2500
POWER SUPPLY	15	[V/Hz]	~230/50	~230/50	~230/50
COMPRESSOR	16	[W]	1165	1165	1165
	17	[A]	3,13	3,13	3,13
DEFROSTING,	18	[W]	-	-	-
	19	[A]	-	-	-
FANS	20	[W]	38	114	152
	21	[A]	0,17	0,51	0,69
LIGHTING	22	[W]	15	24	30
	23	[A]	0,068	0,10	0,13
HEATERS	24	[W]	112	199	224
	25	[A]	0,50	0,90	1,01

RATED DATA					
module	*	[m]	1250	1875	2500
POWER RATE, CURRENT	26	[W]	1430	1502	1711
	27	[A]	6,36	6,82	7,77

ELECTRICAL CONSUMPTION					
module	*	[m]	1250	1875	2500
TEC	28	Wh/24h	7 KW	10,5 KW	14 KW

AE	*	[m]	2,555 KW	3,832 KW	5,110 KW
EEI			11,562	12,317	12,755

WORKING PARAMETERS							
29	defrosting time	[h/24h]	0.6	31	working time of heaters	[h/24h]	24
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

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

TEC - TOTAL ENERGY CONSUMPTION

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