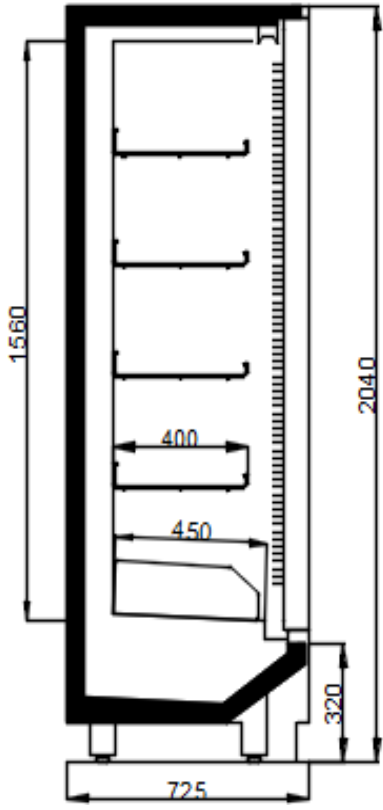
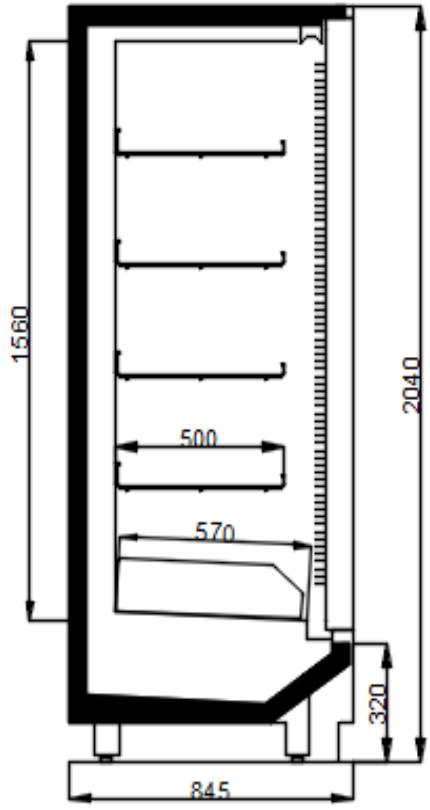


CROSS-SECTION	INFORMATION
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>Manama 53.A10.TGD</b></p>  </div> <div style="text-align: center;"> <p><b>Manama 63.A10.TGD</b></p>  </div> </div>	<p>MAIN symbol:MANAMA 53,63,A10.TGD code: 404 temp. class: 3 refrig. supply:remote refrigerant: R404 glass: GLAZED defrosting type:TIMING DEFROSTING FANS fans: room type: EC lighting: VERTICAL type : vertical</p>

**EXPOSITION SURFACES**

surface	*	rows number	product	width [mm]	load height [mm]	angle [°]	load [kg/m <sup>2</sup> ]
hanged shelve	3	4	normal	400 - 500	255	0	100
bottom shelve	1	1	normal	450 - 570	255	0	200

**CHARACTERISTIC**

module	*	[m]	2343	3124	3905
MODULE LENGTH	3	[mm]	2343	3124	3905
TOTAL DISPLAY AREA (TDA) (53,63)	5	[m <sup>2</sup> ]	6,60 - 9,41	8,78 - 12,53	11 - 15,6
VISIBILITY OF PRODUCTS (VPA)	6	[m <sup>2</sup> ]	2,34	3,12	3,90
NET VOLUME (53,63)	7	[dm <sup>3</sup> ]	2,97 - 5,36	3,95 - 7,14	4,95 - 8,89
REFRIGERATED SHELF AREA	8	[m <sup>2</sup> ]	-	-	-
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.

**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]	-22...-18
8	refr. evaporating / condensing temp.	[°C]	-40 / -15
9	suction superheat / overcolling	[K]	- / -
10	refrigerant	R404(Co2)	

COOLING DATA					
module	*	[m]	2343	3124	3905
UNIT COOLING CAPACITY	11	[W]	1979	2630	3298
INLET TUBE	12	[mm]	3/8	3/8	3/8
OUTLET TUBE	13	[mm]	22mm	22mm	22mm
REFRIGERANT FLUID	14	[kg]	-	-	-

ELECTRICAL DATA					
module	*	[m]	2343	3124	3905
POWER SUPPLY	15	[V/Hz]	~380/50	~380/50	~380/50
FRAME RESIDENCE		[W]	465	670	725
		[A]	1,12	1,76	1,90
DEFROSTING,	18	[W]	3350	4500	5630
	19	[A]	8,81	11,8	14,8
FANS	20	[W]	52	65	78
	21	[A]	0,23	0,29	0,35
LIGHTING	22	[W]	72	90	108
	23	[A]	0,18	0,23	0,28
DOOR RESIDENCE		[W]	249	332	415
		[A]	0,65	0,87	1,09

RATED DATA					
module	*	[m]	2343	3124	3905
POWER RATE, CURRENT	26	[W]	4188	5657	6956
	27	[A]	11,02	14,88	18,30

ELECTRICAL CONSUMPTION					
module	*	[m]	2343	3124	3905
TEC	28	Wh/24h	23,3	31,1	37,1
AE		Wh/1m	696 KW	954 KW	1095 KW

ELECTRICAL CONSUMPTION					
module	*	[m]	2343	3124	3905
EEl (53,63)			19,4 - 13,9	20,4 - 14,5	19,1 - 13,5

WORKING PARAMETERS							
29	defrosting time	[h/24h]	3*45	31	working time of heaters	[h/24h]	24
30	working time of fans	[h/24h]	22	32	working time of lighting	[h/24h]	12

PARAMETERS OF ELECTRICAL TERMINALS							
33	power supply P+P+N+PE	[V/Hz]	~380/50	34	electrical connection	-	380V/16A

CONTROLLING PARAMETERS							
1	set point ST	[°C]	-22	6	correction ST by night	[°C]	-
2	differential ST	[°C]	2	7	defrosting number	[il/24h]	3
3	set point correction ST	[°C]	2	8	temperature of defrosting end	[°C]	8
4	fan running during defrosting	[yes/no]	no	9	maximum time of defrosting	[min]	45
5	stop fans temperature	[°C]	55	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.