pastorkalt a.s.

Technical parameters of refrigerated display cabinet	Filip 400 / 450 BA		
Designation of refrigerated display cabinet families according ISO 23953-1:2015 Annex A	*VC2*	*Refrigerant*	*R452A*

-	Module	Unit	625 H1		937 H1		1250 H1		1875 H1		2500 H1	
1	Lenght excluding end walls	mm	625		937		1250		1875		2500	
2	Display opening area	m2	0,83		1,24		1,65		2,48		3,3	
3	Total display area (TDA)	m2	0,9		1,35		1,8		2,7		3,6	
4	Total usable area	m2	0,83 / 0,92		1,24 / 1,38		1,65 / 1,84		2,48 / 2,76		3,3 / 3,68	
5	Total usable volume	dm3	193 / 216		289 / 323		385 / 431		577 / 647		769 / 862	
6	Weight of display case	kg	164 / 175		190 / 213		228 / 242		300 / 315		406 / 425	
7	Carrying capacity of shelves I number of shelves	kg.m-2 I ks	160	2	160	2	160	2	160	2	160	4
8	Voltage I frequency	V I Hz	230	50	230	50	230	50	230	50	230	50
9	Temperature class	-	3H1		3H1		3H1		3H1		3H1	
10	Evaporator (HxLxW, no. of pipes, Ø of pipe)	-	105x425x280, 8x3 (24), Ø10, 2 cir.		105x737x280, 8x3 (24), Ø10, 2 cir.		105x1050x280, 8x3 (24), Ø10, 2 cir.		105x1675x280, 8x3 (24), Ø10, 2 cir.		105x2285x280, 8x3 (24), Ø10, 2 cir.	
11	Evaporator fan (number, type, input)	-	2x NMB 4715MS 23T B30, 12W/0.1A		3x NMB 4715MS 23T B30, 12W/0.1A		4x NMB 4715MS 23T B30, 12W/0.1A		6x NMB 4715MS 23T B30, 12W/0.1A		8x NMB 4715MS 23T B30, 12W/0.1A	
12	Lighting (type, number, input, color)	-	LED, 1x0.55m, 14.4W/m, 4000K		LED, 1x0.85m, 14.4W/m, 4000K		LED, 1x1.15m, 14.4W/m, 4000K		LED, 1x1.8m, 14.4W/m, 4000K		LED, 1x2.4m, 14.4W/m, 4000K	
13	Evaporating tray (type, LxWxH, volume)	-	Plastime, 400x290x90, 10L		Plastime, 613x408x78, 19L		Plastime, 613x408x78, 19L		Plastime, 613x408x78, 19L		Plastime, 613x408x78, 19L	
14	Type of controller	-	Danfoss ERC 112		Danfoss ERC 112		Danfoss ERC 112		Danfoss ERC 112		Danfoss ERC 112	
15	Rated input of lighting	W I A	9,3	0,04	14,4	0,06	19,5	0,09	30,5	0,13	40,7	0,18
16	Rated input of evaporator fan	W I A	24	0,2	36	0,3	48	0,4	72	0,6	96	0,8
17	Rated input of evaporator heaters	W I A										
18	Rated input of anti-mist heaters	W I A										
19	Rated input of anti-mist fans	W I A										
20	Rated input of electric condensate evaporation	W I A										
21	Rated input without condenser unit	W I A	33.3	0.24	50.4	0.36	67.5	0.49	102.5	0.73	136.7	0.98
22	Evaporating temperature	°C	- 3 (dew)		- 3 (dew)		- 3 (dew)		- 3 (dew)		- 3 (dew)	
23	Heat extraction rate - multi installation **	W	629		943		1258		1887		2516	
24	Heat extraction rate - solo installation **	W	839		1258		1677		2516		3354	
25	Expansion valve - nozzle	-	TE2 - 0, AKV 10 - 2		TE2 - 1, AKV 10 - 3		TE2 - 1, AKV 10 - 3		TE2 - 2, AKV 10 - 4		TE2 - 3, AKV 10 - 4	
26	Refrigeration electrical energy consumption (REC) **	kWh/24h	6,1		9,15		12,2		18,3		24,4	
27	Direct electrical energy consumption (DEC) *	kWh/24h	0,69		1,04		1,39		2,1		2,8	
28	Total energy consumption (TEC)	kWh/24h	6,79		10,19		13,59		20,4		27,2	
29	Energy efficiency index (EEI)	%	43,6	D	52,9	E	59,2	E	67,2	F	72,1	F

-	Module	Unit	625 M2		937 M2		1250 M2		1875 M2		2500 M2	
1	Lenght excluding end walls	mm	625		937		1250		1875		2500	
2	Display opening area	m2	0,83		1,24		1,65		2,48		3,3	
3	Total display area (TDA)	m2	0,9		1,35		1,8		2,7		3,6	
4	Total usable area	m2	1,33 / 1,49		1,99 / 2,23		2,65 / 2,97		3,98 / 4,45		5,3 / 5,93	
5	Total usable volume	dm3	265 / 300		398 / 449		530 / 599		795 / 899		1060 / 1198	
6	Weight of display case	kg	164 / 175		190 / 213		228 / 242		300 / 315		406 / 425	
7	Carrying capacity of shelves I number of shelves	kg.m-2 I ks	160	4	160	4	160	4	160	4	160	8
8	Voltage I frequency	V I Hz	230	50	230	50	230	50	230	50	230	50
9	Temperature class	-	3M2		3M2		3M2		3M2		3M2	
10	Evaporator (HxLxW, no. of pipes, Ø of pipe)	-	105x425x280, 8x3 (24), Ø10, 2 cir.		105x737x280, 8x3 (24), Ø10, 2 cir.		105x1050x280, 8x3 (24), Ø10, 2 cir.		105x1675x280, 8x3 (24), Ø10, 2 cir.		105x2285x280, 8x3 (24), Ø10, 2 cir.	
11	Evaporator fan (number, type, input)	-	2x NMB 4715MS 23T B30, 12W/0.1A		3x NMB 4715MS 23T B30, 12W/0.1A		4x NMB 4715MS 23T B30, 12W/0.1A		6x NMB 4715MS 23T B30, 12W/0.1A		8x NMB 4715MS 23T B30, 12W/0.1A	
12	Lighting (type, number, input, color)	-	LED, 1x0.55m, 14.4W/m, 4000K		LED, 1x0.85m, 14.4W/m, 4000K		LED, 1x1.15m, 14.4W/m, 4000K		LED, 1x1.8m, 14.4W/m, 4000K		LED, 1x2.4m, 14.4W/m, 4000K	
13	Evaporating tray (type, LxWxH, volume)	-	Plastime, 400x290x90, 10L		Plastime, 613x408x78, 19L		Plastime, 613x408x78, 19L		Plastime, 613x408x78, 19L		Plastime, 613x408x78, 19L	
14	Type of controller	-	Danfoss ERC 112		Danfoss ERC 112		Danfoss ERC 112		Danfoss ERC 112		Danfoss ERC 112	
15	Rated input of lighting	W I A	9,3	0,04	14,4	0,06	19,5	0,09	30,5	0,13	40,7	0,18
16	Rated input of evaporator fan	W I A	24	0,2	36	0,3	48	0,4	72	0,6	96	0,8
17	Rated input of evaporator heaters	W I A										
18	Rated input of anti-mist heaters	W I A										
19	Rated input of anti-mist fans	W I A										
20	Rated input of electric condensate evaporation	W I A										
21	Rated input without condenser unit	W I A	33.3	0.24	50.4	0.36	67.5	0.49	102.5	0.73	136.7	0.98
22	Evaporating temperature	°C	- 5 (dew)		- 5 (dew)		- 5 (dew)		- 5 (dew)		- 5 (dew)	
23	Heat extraction rate - multi installation **	W	786		1179		1572		2358		3144	
24	Heat extraction rate - solo installation **	W	1048		1572		2096		3144		4192	
25	Expansion valve - nozzle	-	TE2 - 0, AKV 10 - 2		TE2 - 1, AKV 10 - 3		TE2 - 1, AKV 10 - 4		TE2 - 3, AKV 10 - 4		TE2 - 3, AKV 10 - 5	
26	Refrigeration electrical energy consumption (REC) **	kWh/24h	7,63		11,44		15,25		22,88		30,5	
27	Direct electrical energy consumption (DEC) *	kWh/24h	0,69		1,04		1,39		2,1		2,8	
28	Total energy consumption (TEC)	kWh/24h	8,32		12,48		16,64		24,98		33,3	
29	Energy efficiency index (EEI)	%	43,8	D	53,1	E	59,4	E	67,5	F	72,4	F

-	Module	Unit	625 M1		937 M1		1250 M1		1875 M1		2500 M1	
1	Lenght excluding end walls	mm	625		937		1250		1875		2500	
2	Display opening area	m2	0,83		1,24		1,65		2,48		3,3	
3	Total display area (TDA)	m2	0,9		1,35		1,8		2,7		3,6	
4	Total usable area	m2	1,33 / 1,49		1,99 / 2,23		2,65 / 2,97		3,98 / 4,45		5,3 / 5,93	
5	Total usable volume	dm3	265 / 300		398 / 449		530 / 599		795 / 899		1060 / 1198	
6	Weight of display case	kg	164 / 175		190 / 213		228 / 242		300 / 315		406 / 425	
7	Carrying capacity of shelves I number of shelves	kg.m-2 I ks	160	4	160	4	160	4	160	4	160	8
8	Voltage I frequency	V I Hz	230	50	230	50	230	50	230	50	230	50
9	Temperature class	-	3M1		3M1		3M1		3M1		3M1	
10	Evaporator (HxLxW, no. of pipes, Ø of pipe)	-	105x425x350, 10x3 (28), Ø10, 2 cir.		105x737x350, 10x3 (28), Ø10, 2 cir.		105x1050x350, 10x3 (28), Ø10, 2 cir.		105x1675x350, 10x3 (28), Ø10, 2 cir.		105x2285x350, 10x3 (28), Ø10, 2 cir.	
11	Evaporator fan (number, type, input)	-	2x NMB 4715MS 23T B30, 12W/0.1A		3x NMB 4715MS 23T B30, 12W/0.1A		4x NMB 4715MS 23T B30, 12W/0.1A		6x NMB 4715MS 23T B30, 12W/0.1A		8x NMB 4715MS 23T B30, 12W/0.1A	
12	Lighting (type, number, input, color)	-	LED, 1x0.55m, 14.4W/m, 4000K		LED, 1x0.85m, 14.4W/m, 4000K		LED, 1x1.15m, 14.4W/m, 4000K		LED, 1x1.8m, 14.4W/m, 4000K		LED, 1x2.4m, 14.4W/m, 4000K	
13	Evaporating tray (type, LxWxH, volume)	-	Plastime, 400x290x90, 10L		Plastime, 613x408x78, 19L		Plastime, 613x408x78, 19L		Plastime, 613x408x78, 19L		Plastime, 613x408x78, 19L	
14	Type of controller	-	Danfoss ERC 112		Danfoss ERC 112		Danfoss ERC 112		Danfoss ERC 112		Danfoss ERC 112	
15	Rated input of lighting	W I A	9,3	0,04	14,4	0,06	19,5	0,09	30,5	0,13	40,7	0,18
16	Rated input of evaporator fan	W I A	24	0,2	36	0,3	48	0,4	72	0,6	96	0,8
17	Rated input of evaporator heaters	W I A										
18	Rated input of anti-mist heaters	W I A										
19	Rated input of anti-mist fans	W I A										
20	Rated input of electric condensate evaporation	W I A										
21	Rated input without condenser unit	W I A	33.3	0.24	50.4	0.36	67.5	0.49	102.5	0.73	136.7	0.98
22	Evaporating temperature	°C	- 6.5 (dew)		- 6.5 (dew)		- 6.5 (dew)		- 6.5 (dew)		- 6.5 (dew)	
23	Heat extraction rate - multi installation **	W	865		1297		1730		2595		3460	
24	Heat extraction rate - solo installation **	W	1153		1729		2306		3459		4612	
25	Expansion valve - nozzle	-	TE2 - 0, AKV 10 - 2		TE2 - 1, AKV 10 - 3		TE2 - 1, AKV 10 - 4		TE2 - 3, AKV 10 - 4		TE2 - 3, AKV 10 - 5	
26	Refrigeration electrical energy consumption (REC) **	kWh/24h	8,39		12,58		16,78		25,17		33,56	
27	Direct electrical energy consumption (DEC) *	kWh/24h	0,69		1,04		1,39		2,1		2,8	
28	Total energy consumption (TEC)	kWh/24h	9,08		13,62		18,17		27,27		36,36	
29	Energy efficiency index (EEI)	%	41,6	D	50,4	E	56,4	E	64,1	E	68,7	F

PK-T-17520-20

Technical data determined according to ISO 23953-2: 2015 and COMMISSION REGULATION (EU) 2019/2024 Annex III

* determined according to the running time of individual components of the tested model in relation to the nominal power inputs of the components of the respective model under the stated operating conditions

** determined according to the value of the tested model converted to the length of the module

Pastorkalt a.s. reserves the right to make changes due to developments.

6.11.2020