ID DOC. SYDNEY 3 90 SELF - CL 3
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TECHNICAL DATA

SYDNEY 3 90 SELF

Climate Class 3 - 25°C 60% RH

DIMENSIONAL PROPERTIES

		937	1250	1875	2500	3125	3750	AA 45°	AA 90°	AC 45°	AC 90°
Cod.		0613480 0	0613480 2	0613480 4	0613480 6	0613480 8	0613480 9	0613487 1	0613487 2	0613487 4	0613487 5
Length without end-walls	mm	937	1250	1875	2500	3125	3750				
Height	mm	863	863	863	863	863	863	863	863	863	863
Depth	mm	1167	1167	1167	1167	1167	1167				
Display opening area	m2	0,74	0,99	1,48	1,98	2,47	2,96				
Horizontal display area *	m2	0,84	1,13	1,69	2,25	2,81	3,38	0,57	1,14	0,58	1,16
Net volume *	dm3	169	225	338	450	563	675	114	228	116	233
TDA ** Total Display Area	m2										
Foot print	m2	1,09	1,46	2,19	2,92	3,65	4,38				
Weight (end-walls not included)	kg										
Noise level	dB(A)	≤ 60	≤ 60	≤ 60	≤ 60	≤ 60	≤ 60	≤ 60	≤ 60	≤ 60	≤ 60
** = Total Display Area calculated as in EN ISO 23953, part 2, Annex A											

EVAPORATORS

Direct expansion evaporator		937	1250	1875	2500	3125	3750	AA 45°	AA 90°	AC 45°	AC 90°
Cod.		0284021 3	0284021 4	0284021 6	0284021 8	0284021 9	0284022 1	0284028 1	0284021 3	0284025 4	0284021 3
Surface	m2	6,75	10,15	16,83	23,51	30,19	36,93	2,18	6,75	4,24	6,75
Internal pipes volume	dm3	1,774	2,539	4,044	5,489	7,001	8,466	0,732	1,774	1,227	1,774
Cabinet connections in/out	mm	10 / 12	10 / 12	10 / 12	10 / 12	10 / 12	10 / 12	10 / 12	10 / 12	10 / 12	10 / 12

EXPANSION VALVES

		937	1250	1875	2500	3125	3750	AA 45°	AA 90°	AC 45°	AC 90°
Cod.		0472273 1	0472273 1	0472271 7	0472271 8	0472271 9	0472271 9	0472273 1	0472273 1	0472273 1	0472273 1
Mechanical Valve	R 404A	TES 2-0,11	TES 2-0,11	TES 2-0,21	TES 2-0,45	TES 2-0,6	TES 2-0,6	TES 2-0,11	TES 2-0,11	TES 2-0,11	TES 2-0,11
Orifice		0X	0X	00	01	02	02	0X	0X	0X	0X

ELECTRIC COMPONENTS

		937	1250	1875	2500	3125	3750	AA 45°	AA 90°	AC 45°	AC 90°
Cod.		0468119 7	0468119 7	0468119 7	0468119 7	0468119 7	0468119 7	0468119 7	0468119 7	0468119 7	0468119 7
Evaporator fan motors	n° x W	1 x 6.5	2 x 6.5	2 x 6.5	4 x 6.5	5 x 6.5	6 x 6.5	1 x 6.5	2 x 6.5	1 x 6.5	1 x 6.5
Model or diameter / incl. blade		A12B23 ETB	A12B23 ETB	A12B23 ETB	A12B23 ETB	A12B23 ETB	A12B23 ETB	A12B23 ETB	A12B23 ETB	A12B23 ETB	A12B23 ETB
Cod.		0408027 8	0408028 0	0408028 1	0408028 3	0408028 4	0408028 6	0408040 9	0408040 5	0408041 0	0408040 7
Anti-sweat heater C1	n° x W	1 x 15.8	1 x 21.6	1 x 32.9	1 x 44.1	1 x 55.4	1 x 66.6	1 x 7	1 x 21.5	1 x 17	1 x 43
Cod.		0408012 1	0408012 2	0408012 3	0408012 4	0408012 5	0408012 6	0408040 8	0408041 9		0408040 6
Anti-sweat heater C2	n° x W	1 x 27	1 x 36.8	1 x 55.5	1 x 73.5	1 x 92.3	1 x 111	1 x 34.5	1 x 64.5		1 x 10.8

ELECTRICAL LOADING

		937	1250	1875	2500	3125	3750	AA 45°	AA 90°	AC 45°	AC 90°
Fans	W	6,5	13,0	13,0	26,0	32,5	39,0	6,5	13,0	6,5	6,5
Anti-sweat heater	W	42,8	58,4	88,4	117,6	147,7	177,6	41,5	86,0	17,0	53,8

OPTIONAL / ALTERNATIVES

Secondary coolant evaporator		937	1250	1875	2500	3125	3750	AA 45°	AA 90°	AC 45°	AC 90°
Cod.						0284064 4	0284064 5				
Surface	m2					30,192	36,931				
Internal pipes volume	dm3					7,001	8,49				
Cabinet connections in/out	mm	/	/	/	/	16 / 16	16 / 16	/	/	/	/
CO2 EVAPORATOR - DIRECT EXPANSION		937	1250	1875	2500	3125	3750	AA 45°	AA 90°	AC 45°	AC 90°
Cod.		0284103 3	0284103 4	0284103 5	0284103 6	0284103 7	0284103 8		0284103 3		0284103 3
Surface	m2	6,651	10,007	16,593	23,18	29,766	36,411		6,651		6,651
Internal pipes volume	dm3	1,133	1,618	2,573	3,527	4,481	5,435		1,133		1,133
Cabinet connections in/out	mm	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	/	10 / 10	/	10 / 10
Evap-exchanger for CO2 - PUMP		937	1250	1875	2500	3125	3750	AA 45°	AA 90°	AC 45°	AC 90°
Cod.			0284057 3	0284056 9	0284057 4	0284059 8	0284057 5	0284057 6		0284057 7	
Surface	m2		10,15	16,831	23,511	30,192	36,931	2,184		4,624	
Internal pipes volume	dm3		2,224	3,522	4,821	6,12	7,419	0,673		1,147	
Cabinet connections in/out	mm	/	12 / 12	12 / 12	12 / 12	12 / 12	12 / 12	12 / 12	/	12 / 12	/
Total electrical powers absorbed in W referred to 230V / 50Hz electric input											
		937	1250	1875	2500	3125	3750	AA 45°	AA 90°	AC 45°	AC 90°
Defrost heaters		400	460	690	920	1150	1400	330	400	400	400
bottom light (electronic ballast)		21	28	42	56	70	84				

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REFRIGERATION POWER

Working temperature °C	Average Evap. Temp. °C	Heat extraction rate for unit length (EN ISO 23953) W/m	Heat extraction rate in W for cabinet length (EN ISO 23953 part 2)									
			937	***1250***	***1875***	***2500***	***3125***	***3750***	***AA 45°***	***AA 90°***	***AC 45°***	***AC 90°***
0 / +2	-8	264	248	330	495	660	825	990	312	554	401	713
+2 / +4	-6	232	218	290	435	580	725	870	274	487	353	626

CONTROLS

Air off — *Data referred to a controlling probe fitted on air off duct*

Working temperature °C	Thermostat		Defrosting						Fans starting delay		Alarms	
	ON °C	OFF °C	Type	Fan motors working cond. on/off	n°/24h	End defrost temp. °C	Maximum defrost duration min	Dripping time min	Time min	Temperature °C	Alarm set point °C	Alarm delay time min
0 / +2	-2,0	-3,0	Off cycle	On	4	+5	45	0			+2	35
+2 / +4	+2,0	+1,0		On	4	+5	45	0			+6	35
0 / +2	-2,0	-3,0	Electric (on request)	On	3	+9	45	0			+2	35
+2 / +4												

Setting datas can be changed as per real environmental conditions

CONTROLS

Data referred to 2 controlling probes fitted on air off and return air ducts

Working temperature °C	Thermostat		Virtual probe		Defrosting						Fans starting delay		Alarms	
	ON °C	OFF °C	air off probe %	air in probe %	Type	Fan motors working cond. on/off	n°/24 H	End defrost temp. °C	Maximum defrost duration min	Dripping time min	Time min	Temperature °C	Alarm set point °C	Alarm delay time min
0 / +2					Off cycle									
+2 / +4														
0 / +2					Electric (on request)									
+2 / +4														

Setting datas can be changed as per real environmental conditions

CONTROLS

Air temperature °C	Average Evap. Temp. °C	Superheating at expansion valve K	Minimum evap. temp. °C	Air off temp. °C	Air inlet temp. °C	Average defrost period	
						Off cycle min	Electric (on request) min
0 / +2	-8						
+2 / +4	-6						

Temperatures measured 1 hour after the end of defrost

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