

DIMENSIONAL PROPERTIES

		1250	1875	2500	3750	TSC 2159
Cod.		06184502	06184504	06184506	06184509	06184581
Length without end-walls	mm	1250	1875	2500	3750	1875
Height	mm	1504	1504	1504	1504	1504
Depth	mm	1069	1069	1069	1069	969
Display opening area	m ²	1,52	2,28	3,04	4,55	2,2
Horizontal display area *	m ²	2,52	3,77	5,03	7,55	3,59
Net volume *	dm ³	574	861	1148	1721	821
TDA ** Total Display Area	m ²			3,275		
Foot print	m ²	1,34	2	2,67	4,01	2,09
Weight (end-walls not included)	kg					
Noise level	dB(A)	< 65	< 65	< 65	< 65	< 65

* = with shelves 1x300+1x400+1x500 mm ** = Total Display Area calculated as in EN ISO 23953, part 2, Annex A

EVAPORATORS

		1250	1875	2500	3750	TSC 2159
Direct expansion evaporator						
Cod.		02840457	02840460	02840458	02840459	02840460
Surface	m ²	12,53	20,35	28,18	43,82	20,35
Internal pipes volume	dm ³	4,493	7	9,406	14,368	7
Cabinet connections in/out	mm	10 / 12	10 / 16	10 / 18	10 / 22	10 / 16

EXPANSION VALVES

		1250	1875	2500	3750	TSC 2159
Cod.		04722719	04722719	04722720	04722721	04722719
Mechanical Valve	R 404A	TES 2-0,6	TES 2-0,6	TES 2-1,2	TES 2-1,7	TES 2-0,6
Orifice		02	02	03	04	02

ELECTRIC COMPONENTS

		1250	1875	2500	3750	TSC 2159
Cod.		04681225A	04681225A	04681225A	04681225A	04681225A
Evaporator fan motors	n° x W	1 x 38	2 x 38	3 x 38	4 x 38	2 x 38
Model or diameter / incl. blade		D.200/ 31°	D.200/ 31°	D.200/ 31°	D.200/ 31°	D.200/ 31°
Cod.		04380676	04380674	04380676	04380676	04380674
Roof lighting	n° x W	1 x 36	2 x 30	2 x 36	3 x 36	2 x 30
Cod.		04080145	04080146	04080147	04080149	04080146
Anti-sweat heater C1	n° x W	1 x 12.9	1 x 19.3	1 x 25.5	1 x 43.1	1 x 19.3

ELECTRICAL LOADING

		1250	1875	2500	3750	TSC 2159
Fans	W	38,0	76,0	114,0	152,0	76,0
Anti-sweat heater	W	12,9	19,3	25,5	43,1	19,3
Electronic ballast light	W	36,0	60,0	72,0	108,0	60,0

OPTIONAL / ALTERNATIVES

		1250	1875	2500	3750	TSC 2159
Secondary coolant evaporator						
Cod.		02840611	02840612	02840613	02840614	02840612
Surface	m ²	12,533	20,355	28,177	43,821	20,355
Internal pipes volume	dm ³	4,425	6,866	9,347	14,348	6,866
Cabinet connections in/out	mm	22 / 22	22 / 22	22 / 22	22 / 22	22 / 22
CO2 EVAPORATOR - DIRECT EXPANSION						
Cod.		02841065	02841066	02841067	02841068	02841066
Surface	m ²	12,282	19,947	27,612	42,942	19,947
Internal pipes volume	dm ³	2,825	4,415	6,005	9,186	4,415
Cabinet connections in/out	mm	10 / 10	10 / 10	10 / 10	10 / 16	10 / 10
Evap-exchanger for CO2 - PUMP						
Cod.		02840584	02840585	02840586	02840587	02840585
Surface	m ²	12,533	20,355	28,177	43,821	20,355
Internal pipes volume	dm ³	3,879	6,044	8,209	12,538	6,044
Cabinet connections in/out	mm	16 / 18	16 / 18	16 / 18	16 / 18	16 / 18

Total electrical powers absorbed in W referred to 230V / 50Hz electric input

		1250	1875	2500	3750	TSC 2159
Defrost heaters		460	690	920	1400	690
shelves light **** (electronic ballast)		28	42	56	84	42
Low energy fan motors		12	24	36	48	24

**** values referred to each rough of lighted shelves

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)				
			1250	1875	2500	3750	TSC 2159
0 / +2	-8	1410	1763	2644	3525	5288	3044
+2 / +4	-6	1133	1416	2124	2833	4249	2446

CONTROLS

Air off		Data referred to a controlling probe fitted on air off duct										
Working temperature °C	Thermostat		Defrosting								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	Fans starting delay		Alarm set point °C	Alarm delay time min
									Time min	Temperature °C		
0 / +2	-0,5	-1,5	Off cycle	On	4	+8	55	0			+3,5	35
+2 / +4	+2,0	+1,0		On	4	+8	55	0			+6	35
0 / +2	-0,5	-1,5	Electric (on request)	On	3	+9	45	0			+3,5	35
+2 / +4												

Setting datas can be changed as per real environmental conditions

CONTROLS

Air off		Data referred to 2 controlling probes fitted on air off and return air ducts												
Working temperature °C	Thermostat		Virtual probe		Defrosting								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	Fans starting delay		Alarm set point °C	Alarm delay time min
											Time min	Temperature °C		
0 / +2					Off cycle									
+2 / +4						Electric (on request)								
0 / +2														
+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

