

**SIMENA TECHNICAL DATA SHEET**

Climate Class 3: 25 °C - %60 RH ( EN ISO 23953-1 / EN ISO 23953-2 )

Characteristics	Unit		ik/dk90	937	1250	1875	2500	3125	3750
Length									
Thickness of Side Walls		(mm)	2 x 40						
Height	AO (* interior balance)		1252/1052/820						
Depth	Simena 2		1222 / 2010						

Refrigeration Data									
Refrigeration Duty	3M1(AO)	(kW)	1,54	0,656	0,875	1,312	1,75	2,187	2,625
	3M2(AO)		1,023	0,436	0,581	0,871	1,16	1,453	1,743
Refrigerant			R404						
Exp. Valve Orifice No.(Danfoss)	AO (* interior balance)	(0)*	(0)*	(0)*	(1)*	(1)	(1)	(1)	(2)
Danfoss AKV		10-1	10-1	10-1	10-2	10-2	10-2	10-2	10-3
Evaporation Temperature	3M1/3M2	(°C)	-10 / -7						
Inlet Ref. Pipe Diameter			1/4"						
Outlet Ref. Pipe Diameter			1/2"						

Electrical Components									
Cooling Capacity		(W)	1546	676	890	1315	1840	2360	2878
Power Input			830	360	452	690	928	1089	1503
Cooling Capacity		(W)	1214	676	676	890	1263	1546	1840
Power Input			626	360	360	452	648	830	928
Diameter / incl. Blade	Axial Fan (mm)		120 x 120 x 38						
Evaporator Fan Motors	(3M1) n x W		3 x 24	2 x 24	2 x 24	3 x 24	4 x 24	5x 24	6 x 24
Evaporator Fan Motors	(3M2) n x W		3 x 24	2 x 24	2 x 24	3 x 24	3 x 24	4x 24	4x 24
Diameter / incl. Blade	Axial Fan (mm)		80 x 80 x 25						
Anti-Condensation Fan	Fans x W		2/3 x 12	1 x 12	2 x 12	3x 12	3 x 12	4 x 12	4 x 12
Diameter / incl. Blade	Axial Fan (mm)		200mm x 28°						
Condenser Fan Motors	Fans x W		3x 65	3 x 65	3 x 65	3 x 65	3 x 65	3 x 65	3 x 65
Heaters	Defrost Heater	(W)	250	200	350	500	700	850	1050
	Condensate Heater		400						
	Trim Heater		35	26	35	52.5	70	94	105
Lighting for AO	Canopy Lighting (T8)	(W)	36	18	36	48	72	80	108
	Canopy Lighting (T5)		28	21	28	42	56	60	84
	Canopy Lighting LED		18	13	18	26	36	39	54
	Shelf Lighting (T8)		N / A						
	Shelf Lighting (T5)		N / A						
	Shelf Lighting LED		N / A						
Voltage		(V)	220 - 240						
Frequency		(Hz)	50						

Setting Parameters				
Parameter Definition	Display on LED		Simena M1	Simena M2
<b>SET POINT</b>				
Temperature Set Point	Set		-2°C	+2°C
<b>CONTROLLER PARAMETERS</b>				
Control Differential	rd		+2°C	+2°C
Set Point Maximum	r2		+7°C	+7°C
Set Point Minimum	r1		-3°C	+2°C
<b>DEFROST PARAMETERS</b>				
Time between Defrosts	dl		4 hrs	6 hrs
Max. Defrost Duration	dp		45 min	45 min
End of Defrost Temp.	dt		+12°C	+12°C
<b>ALARM PARAMETERS</b>				
High Temperature Alarm	AH		+25°C	+25°C
Low Temperature Alarm	AL		-5°C	-5°C
<b>FAN PARAMETER</b>				
Fans off During Defrost	F3		0	0