3.2. Technical features (x1 panel)

			Unid	250i	300i	200esm	250esm	300esm	250ix	300ix
HOT WATER CYLINDER	Dry Weight		Kg	62	74	73	83	95	69	81
	Capacity		lts	250	300	200	250	300	250	300
	Internal Protection		-	Stain. Steel		Enamelled			Stain. Steel	
	Cathodic Protection		-	Magnesium Anode (1"1/4 Female)						
	Hydraulic Joints	Water – Inlet and Outlet	inch	3/4" Male						
		TP Valve		1/2" Female						
		Recirculation		3/4" Male						
		Coil – Inlet and Outlet		Not Applicable					1" Male	
	Maximum Pressure		bar	7						
	Test Pressure		bar	10						
	Maximum Water Temperature		°C	80						
	Heat Loss (EN 12897)		kWh/24h	1,01	1,17	1,04	1,2	1,39	1,01	1,17
	Exchanger Output Power [1]		kW	Not Applicable					a)30,0; b)18,0	
THERMODYNAMIC SOLAR PANEL	Material		-	Solokote Anodized Aluminium						
	Dimensions (L x W x H)		mm	2000 x 800 x 20						
	Weigh		kg	8						
	Max Working Pressure		bar	12						
	Test Pressure		bar	15						
	Max Exposure Pressure		°C	120						
	Min Running Temperature		°C	- 5						
	Min Exposure Temperature		°C	- 40						
THERMODYNAMIC BLOCK	Width / Height / Depth		mm	320 / 710 / 280						
	Weight		kg	17,5						
	Absorved Power (Med/Max)		W	390 - 550						
	Thermal Power (Med/Max)		W	1690 / 2900						
	Electrical Backup Power		W	1500						
	Compressor Type		-	Hermetic						
	Compressor Noise Level		dB	39						
	Refrigerant / Qt.[2]		- / g	R134a / 1100[2]						
	Piping Material		-	Copper (DHP ISO1337)						
	Line (Liq. | Asp.)		inch	1/4" | 3/8"						
	Power Supply		V / Hz	230 monophase / 50						
	Fuse (Main | Elect. Heater)		A	10 | 10						
Performance	Performance Coeficient (COP) [3]	EN 255 – 3 (air 7 ºC / air 20 ºC)		3,4 / 4,6		3,3 / 4,5	3,4 / 4,6			
		EN 16147 (air 7 ºC)		2,9		2,8	2,9			
	Amount of Useful Water at 40 ºC		lts	317	369	242	321	374	308	360

1) a) Primary (Tin=90 ºC; Tout=80 ºC); Production DHW (Tin=10 ºC; Tout=60 ºC)
b) Primary (Tin=70 ºC; Tout=60 ºC); Production DHW (Tin=10 ºC; Tout=60 ºC)
2) The amount of fluid must be checked by the installer. In some cases it is necessary to add or remove fluid in order to ensure the correct running of the system.
3) Water temperature from 10 ºC to 54 ºC