


# Technical Document


Heat pump water heater			
Model:	MUACS-80-H14		
Manufacturer:	SALVADOR ESCODA S.A.		
Address:	C/ Rosselló 430-432 08025 Barcelona (España)		
Denomination	Heat pump water heater		
Intended use	Hot water		
Power supply	Ph/V/Hz	220-240V~ 50Hz	
Assembly type	Single package		
Refrigerant	R290/0.15kg		
Tank volume	L	78	
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under average climate)	(%)	112.2/112	
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under warmer climate)	(%)	114.6/115	
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under colder climate)	(%)	94.6/95	
The energy efficiency class of the model, determined in accordance with point 1 of Annex II	Class A <sup>+</sup>		
The annual electricity consumption AEC(average climate)	kWh/annum	458	
The annual electricity consumption AEC(warmer climate)	kWh/annum	448	
The annual electricity consumption AEC(colder climate)	kWh/annum	543	
The daily electricity consumption $Q_{elec}$ (average climate)	kWh	2.407	
The daily electricity consumption $Q_{elec}$ (warmer climate)	kWh	2.122	
The daily electricity consumption $Q_{elec}$ (colder climate)	kWh	2.559	
The sound power level in dB (indoors)	dB	54	
Mixed water at 40°C V40	L	85	
Load profiles of water heaters, Type:	M		
References of the standards	EN 12102-2:2019 EN 16147:2017		
Smart declared value(average climate) The weekly electricity consumption with smart controls $Q_{elec,week,smart}$ in kWh; The weekly electricity consumption without smart controls $Q_{elec,week}$ in kWh;	0.1 9.35 10.4		
Any specific precautions that shall be taken when the water heater is assembled. installed or maintained	Please refer to the manual		
The identification and signature of the person empowered to bind the supplier			

h		M				L				XL			
		Q <sub>tap</sub>	f	T <sub>m</sub>	T <sub>p</sub>	Q <sub>tap</sub>	f	T <sub>m</sub>	T <sub>p</sub>	Q <sub>tap</sub>	f	T <sub>m</sub>	T <sub>p</sub>
		kWh	l/min	°C	°C	kWh	l/min	°C	°C	kWh	l/min	°C	°C
1	07:00	0.105	3	25		0.105	3	25		0.105	3	25	
2	07:05	1.4	6	40		1.4	6	40					
3	07:15									1.82	6	40	
4	07:26									0.105	3	25	
5	07:30	0.105	3	25		0.105	3	25					
6	07:45					0.105	3	25		4.42	10	10	40
7	08:01	0.105	3	25						0.105	3	25	
8	08:05					3.605	10	10	40				
9	08:15	0.105	3	25						0.105	3	25	
10	08:25					0.105	3	25					
11	08:30	0.105	3	25		0.105	3	25		0.105	3	25	
12	08:45	0.105	3	25		0.105	3	25		0.105	3	25	
13	09:00	0.105	3	25		0.105	3	25		0.105	3	25	
14	09:30	0.105	3	25		0.105	3	25		0.105	3	25	
15	10:00									0.105	3	25	
16	10:30	0.105	3	10	40	0.105	3	10	40	0.105	3	10	40
17	11:00									0.105	3	25	
18	11:30	0.105	3	25		0.105	3	25		0.105	3	25	
19	11:45	0.105	3	25		0.105	3	25		0.105	3	25	
20	12:00												
21	12:30												
22	12:45	0.315	4	10	55	0.315	4	10	55	0.735	4	10	55
23	14:30	0.105	3	25		0.105	3	25		0.105	3	25	
24	15:00									0.105	3	25	
25	15:30	0.105	3	25		0.105	3	25		0.105	3	25	
26	16:00									0.105	3	25	
27	16:30	0.105	3	25		0.105	3	25		0.105	3	25	
28	17:00									0.105	3	25	
29	18:00	0.105	3	25		0.105	3	25		0.105	3	25	
30	18:15	0.105	3	40		0.105	3	40		0.105	3	40	
31	18:30	0.105	3	40		0.105	3	40		0.105	3	40	
32	19:00	0.105	3	25		0.105	3	25		0.105	3	25	
33	19:30												
34	20:00												
35	20:30	0.735	4	10	55	0.735	4	10		0.735	4	10	55
36	20:45												
37	20:46										10	10	40
38	21:00					3.605	10	10	40				
39	21:15	0.105	3	25						0.105	3	25	
40	21:30	1.4	6	40		0.105	3	25		4.42	10	10	40
41	21:35												
42	21:45												
43		5.845				11.655				19.07			

# Product Fiche

Heat pump water heater		
Trade Mark:		MUNDOCLIMA
Model:		MUACS-80-H14
Load profiles of water heaters, Type		M
The energy efficiency class of the model, determined in accordance with point 1 of Annex II		Class A <sup>+</sup>
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under average climate)	(%)	112.2/112
The annual electricity consumption AEC(average climate)	kWh/annum	458
Reference thermostat temperature settings of the water heater	°C	55
The sound power level in dB (indoors)	dB	54
If applicable, an indication that the water heater is able to work only during off-peak hours		No
Any specific precautions that shall be taken when the water heater is assembled. installed or maintained		Please refer to the manual
Smart declared value		0.1
The weekly electricity consumption with smart controls $Q_{elec,week,smart}$ in kWh;		9.35
The weekly electricity consumption without smart controls $Q_{elec,week}$ in kWh;		10.4
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under colder climate)	(%)	94.6/95
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under warmer climate)	(%)	114.6/115
The annual electricity consumption AEC(colder climate)	kWh/annum	543
The annual electricity consumption AEC(warmer climate)	kWh/annum	448

# Technical Document


Heat pump water heater			
Model:	MUACS-100-H14		
Manufacturer:	SALVADOR ESCODA S.A.		
Address:	C/ Rosselló 430-432 08025 Barcelona (España)		
Denomination	Heat pump water heater		
Intended use	Hot water		
Power supply	Ph/V/Hz	220-240V~ 50Hz	
Assembly type	Single package		
Refrigerant	R290/0.15kg		
Tank volume	L	98	
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under average climate)	(%)	101.8/102	
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under warmer climate)	(%)	118.1/118	
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under colder climate)	(%)	94.4/94	
The energy efficiency class of the model, determined in accordance with point 1 of Annex II	Class A <sup>+</sup>		
The annual electricity consumption AEC(average climate)	kWh/annum	504	
The annual electricity consumption AEC(warmer climate)	kWh/annum	436	
The annual electricity consumption AEC(colder climate)	kWh/annum	543	
The daily electricity consumption $Q_{elec}$ (average climate)	kWh	2.424	
The daily electricity consumption $Q_{elec}$ (warmer climate)	kWh	2.087	
The daily electricity consumption $Q_{elec}$ (colder climate)	kWh	2.573	
The sound power level in dB (indoors)	dB	56	
Mixed water at 40°C V40	L	110	
Load profiles of water heaters, Type:	M		
References of the standards	EN 12102-2:2019 EN 16147:2017		
Smart declared value The weekly electricity consumption with smart controls $Q_{elec,week,smart}$ in kWh; The weekly electricity consumption without smart controls $Q_{elec,week}$ in kWh;	0 N/A N/A		
Any specific precautions that shall be taken when the water heater is assembled. installed or maintained	Please refer to the manual		
The identification and signature of the person empowered to bind the supplier			

h		M				L				XL			
		Q <sub>tap</sub>	f	T <sub>m</sub>	T <sub>p</sub>	Q <sub>tap</sub>	f	T <sub>m</sub>	T <sub>p</sub>	Q <sub>tap</sub>	f	T <sub>m</sub>	T <sub>p</sub>
		kWh	l/min	°C	°C	kWh	l/min	°C	°C	kWh	l/min	°C	°C
1	07:00	0.105	3	25		0.105	3	25		0.105	3	25	
2	07:05	1.4	6	40		1.4	6	40					
3	07:15									1.82	6	40	
4	07:26									0.105	3	25	
5	07:30	0.105	3	25		0.105	3	25					
6	07:45					0.105	3	25		4.42	10	10	40
7	08:01	0.105	3	25						0.105	3	25	
8	08:05					3.605	10	10	40				
9	08:15	0.105	3	25						0.105	3	25	
10	08:25					0.105	3	25					
11	08:30	0.105	3	25		0.105	3	25		0.105	3	25	
12	08:45	0.105	3	25		0.105	3	25		0.105	3	25	
13	09:00	0.105	3	25		0.105	3	25		0.105	3	25	
14	09:30	0.105	3	25		0.105	3	25		0.105	3	25	
15	10:00									0.105	3	25	
16	10:30	0.105	3	10	40	0.105	3	10	40	0.105	3	10	40
17	11:00									0.105	3	25	
18	11:30	0.105	3	25		0.105	3	25		0.105	3	25	
19	11:45	0.105	3	25		0.105	3	25		0.105	3	25	
20	12:00												
21	12:30												
22	12:45	0.315	4	10	55	0.315	4	10	55	0.735	4	10	55
23	14:30	0.105	3	25		0.105	3	25		0.105	3	25	
24	15:00									0.105	3	25	
25	15:30	0.105	3	25		0.105	3	25		0.105	3	25	
26	16:00									0.105	3	25	
27	16:30	0.105	3	25		0.105	3	25		0.105	3	25	
28	17:00									0.105	3	25	
29	18:00	0.105	3	25		0.105	3	25		0.105	3	25	
30	18:15	0.105	3	40		0.105	3	40		0.105	3	40	
31	18:30	0.105	3	40		0.105	3	40		0.105	3	40	
32	19:00	0.105	3	25		0.105	3	25		0.105	3	25	
33	19:30												
34	20:00												
35	20:30	0.735	4	10	55	0.735	4	10		0.735	4	10	55
36	20:45												
37	20:46										10	10	40
38	21:00					3.605	10	10	40				
39	21:15	0.105	3	25						0.105	3	25	
40	21:30	1.4	6	40		0.105	3	25		4.42	10	10	40
41	21:35												
42	21:45												
43		5.845				11.655				19.07			

# Product Fiche

Heat pump water heater		
Trade Mark:		MUNDOCLIMA
Model:		MUACS-100-H14
Load profiles of water heaters, Type		M
The energy efficiency class of the model, determined in accordance with point 1 of Annex II		Class A <sup>+</sup>
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under average climate)	(%)	101.8/102
The annual electricity consumption AEC(average climate)	kWh/annum	504
Reference thermostat temperature settings of the water heater	°C	55
The sound power level in dB (indoors)	dB	56
If applicable, an indication that the water heater is able to work only during off-peak hours		No
Any specific precautions that shall be taken when the water heater is assembled, installed or maintained		Please refer to the manual
Smart declared value The weekly electricity consumption with smart controls $Q_{elec,week,smart}$ in kWh; The weekly electricity consumption without smart controls $Q_{elec,week}$ in kWh;		0 N/A N/A
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under colder climate)	(%)	94.4/94
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under warmer climate)	(%)	118.1/118
The annual electricity consumption AEC(colder climate)	kWh/annum	543
The annual electricity consumption AEC(warmer climate)	kWh/annum	436

# Technical Document

Heat pump water heater		
Model:	MUACS-150-H14	
Manufacturer:	SALVADOR ESCODA S.A.	
Address:	C/ Rosselló 430-432 08025 Barcelona (España)	
Denomination	Heat pump water heater	
Intended use	Hot water	
Power supply	Ph/V/Hz	220-240V~ 50Hz
Assembly type	Single package	
Refrigerant	R290/0.15kg	
Tank volume	L	145
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under average climate)	(%)	121.7/122
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under warmer climate)	(%)	137.2/137
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under colder climate)	(%)	102.7/103
The energy efficiency class of the model, determined in accordance with point 1 of Annex II	Class A <sup>+</sup>	
The annual electricity consumption AEC(average climate)	kWh/annum	843
The annual electricity consumption AEC(warmer climate)	kWh/annum	746
The annual electricity consumption AEC(colder climate)	kWh/annum	997
The daily electricity consumption $Q_{elec}$ (average climate)	kWh	4.360
The daily electricity consumption $Q_{elec}$ (warmer climate)	kWh	3.851
The daily electricity consumption $Q_{elec}$ (colder climate)	kWh	4.685
The sound power level in dB (indoors)	dB	56
Mixed water at 40°C V40	L	160
Load profiles of water heaters, Type:	L	
References of the standards	EN 12102-2:2019 EN 16147:2017	
Smart declared value(average climate) The weekly electricity consumption with smart controls $Q_{elec,week,smart}$ in kWh; The weekly electricity consumption without smart controls $Q_{elec,week}$ in kWh;	0.09 17.6 19.3	
Smart declared value(warmer climate) The weekly electricity consumption with smart controls $Q_{elec,week,smart}$ in kWh; The weekly electricity consumption without smart controls $Q_{elec,week}$ in kWh;	0.09 15.8 17.3	
Any specific precautions that shall be taken when the water heater is assembled. installed or maintained	Please refer to the manual	
The identification and signature of the person empowered to bind the supplier		


h		M				L				XL			
		Q <sub>tap</sub>	f	T <sub>m</sub>	T <sub>p</sub>	Q <sub>tap</sub>	f	T <sub>m</sub>	T <sub>p</sub>	Q <sub>tap</sub>	f	T <sub>m</sub>	T <sub>p</sub>
		kWh	l/min	°C	°C	kWh	l/min	°C	°C	kWh	l/min	°C	°C
1	07:00	0.105	3	25		0.105	3	25		0.105	3	25	
2	07:05	1.4	6	40		1.4	6	40					
3	07:15									1.82	6	40	
4	07:26									0.105	3	25	
5	07:30	0.105	3	25		0.105	3	25					
6	07:45					0.105	3	25		4.42	10	10	40
7	08:01	0.105	3	25						0.105	3	25	
8	08:05					3.605	10	10	40				
9	08:15	0.105	3	25						0.105	3	25	
10	08:25					0.105	3	25					
11	08:30	0.105	3	25		0.105	3	25		0.105	3	25	
12	08:45	0.105	3	25		0.105	3	25		0.105	3	25	
13	09:00	0.105	3	25		0.105	3	25		0.105	3	25	
14	09:30	0.105	3	25		0.105	3	25		0.105	3	25	
15	10:00									0.105	3	25	
16	10:30	0.105	3	10	40	0.105	3	10	40	0.105	3	10	40
17	11:00									0.105	3	25	
18	11:30	0.105	3	25		0.105	3	25		0.105	3	25	
19	11:45	0.105	3	25		0.105	3	25		0.105	3	25	
20	12:00												
21	12:30												
22	12:45	0.315	4	10	55	0.315	4	10	55	0.735	4	10	55
23	14:30	0.105	3	25		0.105	3	25		0.105	3	25	
24	15:00									0.105	3	25	
25	15:30	0.105	3	25		0.105	3	25		0.105	3	25	
26	16:00									0.105	3	25	
27	16:30	0.105	3	25		0.105	3	25		0.105	3	25	
28	17:00									0.105	3	25	
29	18:00	0.105	3	25		0.105	3	25		0.105	3	25	
30	18:15	0.105	3	40		0.105	3	40		0.105	3	40	
31	18:30	0.105	3	40		0.105	3	40		0.105	3	40	
32	19:00	0.105	3	25		0.105	3	25		0.105	3	25	
33	19:30												
34	20:00												
35	20:30	0.735	4	10	55	0.735	4	10		0.735	4	10	55
36	20:45												
37	20:46										10	10	40
38	21:00					3.605	10	10	40				
39	21:15	0.105	3	25						0.105	3	25	
40	21:30	1.4	6	40		0.105	3	25		4.42	10	10	40
41	21:35												
42	21:45												
43		5.845				11.655				19.07			



# Product Fiche

Heat pump water heater		
Trade Mark:		MUNDOCLIMA
Model:		MUACS-150-H14
Load profiles of water heaters, Type		L
The energy efficiency class of the model, determined in accordance with point 1 of Annex II		Class A <sup>+</sup>
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under average climate)	(%)	121.7/122
The annual electricity consumption AEC(average climate)	kWh/annum	843
Reference thermostat temperature settings of the water heater	°C	54
The sound power level in dB (indoors)	dB	56
If applicable, an indication that the water heater is able to work only during off-peak hours		No
Any specific precautions that shall be taken when the water heater is assembled. installed or maintained		Please refer to the manual
Smart declared value(average climate) The weekly electricity consumption with smart controls $Q_{elec,week,smart}$ in kWh; The weekly electricity consumption without smart controls $Q_{elec,week}$ in kWh;		0.09 17.6 19.3
Smart declared value(warmer climate) The weekly electricity consumption with smart controls $Q_{elec,week,smart}$ in kWh; The weekly electricity consumption without smart controls $Q_{elec,week}$ in kWh;		0.09 15.8 17.3
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under colder climate)	(%)	102.7/103
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under warmer climate)	(%)	137.2/137
The annual electricity consumption AEC(colder climate)	kWh/annum	997
The annual electricity consumption AEC(warmer climate)	kWh/annum	746

# Technical Document

Heat pump water heater		
Model:	MUACS-190-H14	
Manufacturer:	SALVADOR ESCODA S.A.	
Address:	C/ Rosselló 430-432 08025 Barcelona (España)	
Denomination	Heat pump water heater	
Intended use	Hot water	
Power supply	Ph/V/Hz	220-240V~ 50Hz
Assembly type	Single package	
Refrigerant	R290/0.15kg	
Tank volume	L	185
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under average climate)	(%)	131.1/131
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under warmer climate)	(%)	-----
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under colder climate)	(%)	-----
The energy efficiency class of the model, determined in accordance with point 1 of Annex II		Class A <sup>+</sup>
The annual electricity consumption AEC(average climate)	kWh/annum	780.8
The annual electricity consumption AEC(warmer climate)	kWh/annum	-----
The annual electricity consumption AEC(colder climate)	kWh/annum	-----
The daily electricity consumption $Q_{elec}$ (average climate)	kWh	3.705
The daily electricity consumption $Q_{elec}$ (warmer climate)	kWh	-----
The daily electricity consumption $Q_{elec}$ (colder climate)	kWh	-----
The sound power level in dB (indoors)	dB	56
Mixed water at 40°C V40	L	245
Load profiles of water heaters, Type:	L	
References of the standards	EN 12102-2:2019 EN 16147:2017	
Smart declared value(average climate) The weekly electricity consumption with smart controls $Q_{elec,week,smart}$ in kWh; The weekly electricity consumption without smart controls $Q_{elec,week}$ in kWh;	1 14.189 16.309	
Smart declared value(warmer climate) The weekly electricity consumption with smart controls $Q_{elec,week,smart}$ in kWh; The weekly electricity consumption without smart controls $Q_{elec,week}$ in kWh;	1 15.8 17.3	
Any specific precautions that shall be taken when the water heater is assembled. installed or maintained	Please refer to the manual	
The identification and signature of the person empowered to bind the supplier		


h		M				L				XL			
		Q <sub>tap</sub>	f	T <sub>m</sub>	T <sub>p</sub>	Q <sub>tap</sub>	f	T <sub>m</sub>	T <sub>p</sub>	Q <sub>tap</sub>	f	T <sub>m</sub>	T <sub>p</sub>
		kWh	l/min	°C	°C	kWh	l/min	°C	°C	kWh	l/min	°C	°C
1	07:00	0.105	3	25		0.105	3	25		0.105	3	25	
2	07:05	1.4	6	40		1.4	6	40					
3	07:15									1.82	6	40	
4	07:26									0.105	3	25	
5	07:30	0.105	3	25		0.105	3	25					
6	07:45					0.105	3	25		4.42	10	10	40
7	08:01	0.105	3	25						0.105	3	25	
8	08:05					3.605	10	10	40				
9	08:15	0.105	3	25						0.105	3	25	
10	08:25					0.105	3	25					
11	08:30	0.105	3	25		0.105	3	25		0.105	3	25	
12	08:45	0.105	3	25		0.105	3	25		0.105	3	25	
13	09:00	0.105	3	25		0.105	3	25		0.105	3	25	
14	09:30	0.105	3	25		0.105	3	25		0.105	3	25	
15	10:00									0.105	3	25	
16	10:30	0.105	3	10	40	0.105	3	10	40	0.105	3	10	40
17	11:00									0.105	3	25	
18	11:30	0.105	3	25		0.105	3	25		0.105	3	25	
19	11:45	0.105	3	25		0.105	3	25		0.105	3	25	
20	12:00												
21	12:30												
22	12:45	0.315	4	10	55	0.315	4	10	55	0.735	4	10	55
23	14:30	0.105	3	25		0.105	3	25		0.105	3	25	
24	15:00									0.105	3	25	
25	15:30	0.105	3	25		0.105	3	25		0.105	3	25	
26	16:00									0.105	3	25	
27	16:30	0.105	3	25		0.105	3	25		0.105	3	25	
28	17:00									0.105	3	25	
29	18:00	0.105	3	25		0.105	3	25		0.105	3	25	
30	18:15	0.105	3	40		0.105	3	40		0.105	3	40	
31	18:30	0.105	3	40		0.105	3	40		0.105	3	40	
32	19:00	0.105	3	25		0.105	3	25		0.105	3	25	
33	19:30												
34	20:00												
35	20:30	0.735	4	10	55	0.735	4	10		0.735	4	10	55
36	20:45												
37	20:46										10	10	40
38	21:00					3.605	10	10	40				
39	21:15	0.105	3	25						0.105	3	25	
40	21:30	1.4	6	40		0.105	3	25		4.42	10	10	40
41	21:35												
42	21:45												
43		5.845				11.655				19.07			

# Product Fiche

Heat pump water heater		
Trade Mark:		MUNDOCLIMA
Model:		MUACS-190-H14
Load profiles of water heaters, Type		L
The energy efficiency class of the model, determined in accordance with point 1 of Annex II		Class A <sup>+</sup>
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under average climate)	(%)	131.1/131
The annual electricity consumption AEC(average climate)	kWh/annum	780.8
Reference thermostat temperature settings of the water heater	°C	53
The sound power level in dB (indoors)	dB	56
If applicable, an indication that the water heater is able to work only during off-peak hours		No
Any specific precautions that shall be taken when the water heater is assembled. installed or maintained		Please refer to the manual
Smart declared value(average climate) The weekly electricity consumption with smart controls $Q_{elec,week,smart}$ in kWh; The weekly electricity consumption without smart controls $Q_{elec,week}$ in kWh;		1 14.189 16.309
Smart declared value(warmer climate) The weekly electricity consumption with smart controls $Q_{elec,week,smart}$ in kWh; The weekly electricity consumption without smart controls $Q_{elec,week}$ in kWh;		----- ----- -----
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under colder climate)	(%)	-----
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under warmer climate)	(%)	-----
The annual electricity consumption AEC(colder climate)	kWh/annum	-----
The annual electricity consumption AEC(warmer climate)	kWh/annum	-----

h		M				L				XL			
		Q <sub>toque</sub>	f	T <sub>m</sub>	T <sub>p</sub>	Q <sub>toque</sub>	f	T <sub>m</sub>	T <sub>p</sub>	Q <sub>toque</sub>	f	T <sub>m</sub>	T <sub>p</sub>
		kWh	l/min	°C	°C	kWh	l/min	°C	°C	kWh	l/min	°C	°C
1	07:00	0,105	3	25		0,105	3	25		0,105	3	25	
2	07:05	1,4	6	40		1,4	6	40					
3	07:15									1,82	6	40	
4	07:26									0,105	3	25	
5	07:30	0,105	3	25		0,105	3	25					
6	07:45					0,105	3	25		4,42	10	10	40
7	08:01	0,105	3	25						0,105	3	25	
8	08:05					3,605	10	10	40				
9	08:15	0,105	3	25						0,105	3	25	
10	08:25					0,105	3	25					
11	08:30	0,105	3	25		0,105	3	25		0,105	3	25	
12	08:45	0,105	3	25		0,105	3	25		0,105	3	25	
13	09:00	0,105	3	25		0,105	3	25		0,105	3	25	
14	09:30	0,105	3	25		0,105	3	25		0,105	3	25	
15	10:00									0,105	3	25	
16	10:30	0,105	3	10	40	0,105	3	10	40	0,105	3	10	40
17	11:00									0,105	3	25	
18	11:30	0,105	3	25		0,105	3	25		0,105	3	25	
19	11:45	0,105	3	25		0,105	3	25		0,105	3	25	
20	12:00												
21	12:30												
22	12:45	0,315	4	10	55	0,315	4	10	55	0,735	4	10	55
23	14:30	0,105	3	25		0,105	3	25		0,105	3	25	
24	15:00									0,105	3	25	
25	15:30	0,105	3	25		0,105	3	25		0,105	3	25	
26	16:00									0,105	3	25	
27	16:30	0,105	3	25		0,105	3	25		0,105	3	25	
28	17:00									0,105	3	25	
29	18:00	0,105	3	25		0,105	3	25		0,105	3	25	
30	18:15	0,105	3	40		0,105	3	40		0,105	3	40	
31	18:30	0,105	3	40		0,105	3	40		0,105	3	40	
32	19:00	0,105	3	25		0,105	3	25		0,105	3	25	
33	19:30												
34	20:00												
35	20:30	0,735	4	10	55	0,735	4	10		0,735	4	10	55
36	20:45												
37	20:46										10	10	40
38	21:00					3,605	10	10	40				
39	21:15	0,105	3	25						0,105	3	25	
40	21:30	1,4	6	40		0,105	3	25		4,42	10	10	40
41	21:35												
42	21:45												
43		5,845				11,655				19,07			

# Technical Document

Heat pump water heater		
Model:	MUACS-290-H14	
Manufacturer:	SALVADOR ESCODA S.A.	
Address:	C/ Rossell—430-432 08025 Barcelona (Espa—a)	
Denomination	Heat pump water heater	
Intended use	Hot water	
Power supply	Ph/V/Hz	220-240V~ 50Hz
Assembly type	Single package	
Refrigerant	R290/0.15kg	
Tank volume	L	275
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under average climate)	(%)	132.2/132
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under warmer climate)	(%)	-----
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under colder climate)	(%)	-----
The energy efficiency class of the model, determined in accordance with point 1 of Annex II		Class A <sup>+</sup>
The annual electricity consumption AEC(average climate)	kWh/annum	1267
The annual electricity consumption AEC(warmer climate)	kWh/annum	-----
The annual electricity consumption AEC(colder climate)	kWh/annum	-----
The daily electricity consumption $Q_{elec}$ (average climate)	kWh	5.875
The daily electricity consumption $Q_{elec}$ (warmer climate)	kWh	-----
The daily electricity consumption $Q_{elec}$ (colder climate)	kWh	-----
The sound power level in dB (indoors)	dB	54
Mixed water at 40°C V40	L	350
Load profiles of water heaters, Type:	XL	
References of the standards	EN 12102-2:2019 EN 16147:2017	
Smart declared value(average climate) The weekly electricity consumption with smart controls $Q_{elec,week,smart}$ in kWh; The weekly electricity consumption without smart controls $Q_{elec,week}$ in kWh;	_____ _____ _____	
Smart declared value(warmer climate) The weekly electricity consumption with smart controls $Q_{elec,week,smart}$ in kWh; The weekly electricity consumption without smart controls $Q_{elec,week}$ in kWh;	_____ _____ _____	
Any specific precautions that shall be taken when the water heater is assembled. installed or maintained	Please refer to the manual	
The identification and signature of the person empowered to bind the supplier		

h		M				L				XL			
		Q <sub>tap</sub>	f	T <sub>m</sub>	T <sub>p</sub>	Q <sub>tap</sub>	f	T <sub>m</sub>	T <sub>p</sub>	Q <sub>tap</sub>	f	T <sub>m</sub>	T <sub>p</sub>
		kWh	l/min	°C	°C	kWh	l/min	°C	°C	kWh	l/min	°C	°C
1	07:00	0.105	3	25		0.105	3	25		0.105	3	25	
2	07:05	1.4	6	40		1.4	6	40					
3	07:15									1.82	6	40	
4	07:26									0.105	3	25	
5	07:30	0.105	3	25		0.105	3	25					
6	07:45					0.105	3	25		4.42	10	10	40
7	08:01	0.105	3	25						0.105	3	25	
8	08:05					3.605	10	10	40				
9	08:15	0.105	3	25						0.105	3	25	
10	08:25					0.105	3	25					
11	08:30	0.105	3	25		0.105	3	25		0.105	3	25	
12	08:45	0.105	3	25		0.105	3	25		0.105	3	25	
13	09:00	0.105	3	25		0.105	3	25		0.105	3	25	
14	09:30	0.105	3	25		0.105	3	25		0.105	3	25	
15	10:00									0.105	3	25	
16	10:30	0.105	3	10	40	0.105	3	10	40	0.105	3	10	40
17	11:00									0.105	3	25	
18	11:30	0.105	3	25		0.105	3	25		0.105	3	25	
19	11:45	0.105	3	25		0.105	3	25		0.105	3	25	
20	12:00												
21	12:30												
22	12:45	0.315	4	10	55	0.315	4	10	55	0.735	4	10	55
23	14:30	0.105	3	25		0.105	3	25		0.105	3	25	
24	15:00									0.105	3	25	
25	15:30	0.105	3	25		0.105	3	25		0.105	3	25	
26	16:00									0.105	3	25	
27	16:30	0.105	3	25		0.105	3	25		0.105	3	25	
28	17:00									0.105	3	25	
29	18:00	0.105	3	25		0.105	3	25		0.105	3	25	
30	18:15	0.105	3	40		0.105	3	40		0.105	3	40	
31	18:30	0.105	3	40		0.105	3	40		0.105	3	40	
32	19:00	0.105	3	25		0.105	3	25		0.105	3	25	
33	19:30												
34	20:00												
35	20:30	0.735	4	10	55	0.735	4	10		0.735	4	10	55
36	20:45												
37	20:46										10	10	40
38	21:00					3.605	10	10	40				
39	21:15	0.105	3	25						0.105	3	25	
40	21:30	1.4	6	40		0.105	3	25		4.42	10	10	40
41	21:35												
42	21:45												
43		5.845				11.655				19.07			

# Product Fiche

Heat pump water heater		
Trade Mark:		MUNDOCLIMA
Model:		MUACS-290-H14
Load profiles of water heaters, Type		XL
The energy efficiency class of the model, determined in accordance with point 1 of Annex II		Class A <sup>+</sup>
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under average climate)	(%)	132.2/132
The annual electricity consumption AEC(average climate)	kWh/annum	1267
Reference thermostat temperature settings of the water heater	°C	52
The sound power level in dB (indoors)	dB	54
If applicable, an indication that the water heater is able to work only during off-peak hours		No
Any specific precautions that shall be taken when the water heater is assembled. installed or maintained		Please refer to the manual
Smart declared value(average climate) The weekly electricity consumption with smart controls $Q_{elec,week,smart}$ in kWh; The weekly electricity consumption without smart controls $Q_{elec,week}$ in kWh;		_____ _____ _____
Smart declared value(warmer climate) The weekly electricity consumption with smart controls $Q_{elec,week,smart}$ in kWh; The weekly electricity consumption without smart controls $Q_{elec,week}$ in kWh;		_____ _____ _____
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under colder climate)	(%)	_____
The water heating energy efficiency $\eta_{wh}$ (rounded to one decimal/the nearest integer under warmer climate)	(%)	_____
The annual electricity consumption AEC(colder climate)	kWh/annum	_____
The annual electricity consumption AEC(warmer climate)	kWh/annum	_____