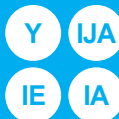




ENERG

енергия · ενέργεια




Kaysun

KHP-15/185 ACS3



A⁺



56dB



- dB



-



781



710

kWh/annum



-



-



-


GJ/annum



2017

812/2013

Technical Document

Heat pump water heater		
Model:	KHP-15/185 ACS3	
Manufacturer:	FRIGICOLL S.A.	
Address:	BLASCO DE GARAY, No 4-6 08960 SANT JUST DESVERNBARCELONA	
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 η_{wh} (rounded to one decimal/the nearest integer under average climate)	(%)	131.1/131
The water heating energy efficiency η_{wh} (rounded to one decimal/the nearest integer under warmer climate)	(%)	144.4/144
The water heating energy efficiency η_{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 ⁺
The annual electricity consumption AEC(average climate)	kWh/annum	781
The annual electricity consumption AEC(warmer climate)	kWh/annum	710
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	3.378
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+A1:2022	
Smart declared value(average climate)	1	
The weekly electricity consumption with smart controls $Q_{elec,week,smart}$ in kWh;	14.189	
The weekly electricity consumption without smart controls $Q_{elec,week}$ in kWh;	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;	—	
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_{tap}	f	T_m	T_p	Q_{tap}	f	T_m	T_p	Q_{tap}	f	T_m	T_p
		kWh	l/min	°C	°C	kWh	l/min	°C	°C	kWh	l/min	°C	°C
1	7:00	0.105	3	25		0.105	3	25		0.105	3	25	
2	7:05	1.4	6	40		1.4	6	40					
3	7:15									1.82	6	40	
4	7:26									0.105	3	25	
5	7:30	0.105	3	25		0.105	3	25					
6	7:45					0.105	3	25		4.42	10	10	40
7	8:01	0.105	3	25						0.105	3	25	
8	8:05					3.605	10	10	40				
9	8:15	0.105	3	25						0.105	3	25	
10	8:25					0.105	3	25					
11	8:30	0.105	3	25		0.105	3	25		0.105	3	25	
12	8:45	0.105	3	25		0.105	3	25		0.105	3	25	
13	9:00	0.105	3	25		0.105	3	25		0.105	3	25	
14	9:30	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	55	0.735	4	10	55
36	20:45												
37	20:46									4.42	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	Q_{ref}	5.845				11.655				19.07			

Product Fiche

Heat pump water heater		
Trade Mark:		KAYSUN
Model:		KHP-15/185 ACS3
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 ⁺
The water heating energy efficiency η_{wh} (rounded to one decimal/the nearest integer under average climate)	(%)	131.1/131
The annual electricity consumption AEC (average climate)	kWh/annum	781
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
The water heating energy efficiency η_{wh} (rounded to one decimal/the nearest integer under colder climate)	(%)	_____
The water heating energy efficiency η_{wh} (rounded to one decimal/the nearest integer under warmer climate)	(%)	144.4/144
The annual electricity consumption AEC (colder climate)	kWh/annum	_____
The annual electricity consumption AEC (warmer climate)	kWh/annum	710