

OCHSNER

AQUA 11 HSTA



55 °C

35 °C



Λ++

A⁺

Δ

В

C

 A^{+++}

A***

____8 kW

■8 kW

8 kW

■10 kW

■ 10 kW

■10 kW

45 dB

2019

811/2013



Heatpump datasheet:		
Manufacturer:	OCHSNER	
Model:	AQUA 11 HSTA	
Information concerning energy efficiency class and rated heat out	put:	
	average/low	average/medium
Energy efficiency class space heater:	A+++	A+++
Rated heat output:	10 kW	8 kW
Energy efficiency space heater:	247 %	150 %
Annual final energy consumption space heater:	3210 kWh	4155 kWh
Sound power level indoors	44,5 dB(A)	•

Special precautions concerning assembly, installation or maintenance:

The system was sized, connected, laid out and filled in accordance with applicable standards, regulations and ordinances by a qualified contractor. If the system consists of several sections, these must be connected and installed using original OCHSNER accessories as supplied by OCHSNER. System sections must be connected via the shortest route possible and must not exceed a connection distance of 5 m. In accordance with the operating and installation manual, the system is used as intended for a private building heating system. Commissioning must only be carried out by OCHSNER Customer Service. Maintenance and inspection according to the manufacturer's instructions must be carried out at least every 12 months unless legal requirements and ordinances specify a shorter interval.

Additional information:	low	medium
Rated heat output colder climate:	10 kW	8 kW
Rated heat output warmer climate:	10 kW	8 kW
Energy effiency space heater colder climate:	258 %	156 %
Energy effiency space heater warmer climate:	244 %	149 %
Annual energy consumption space heater colder climate:	3665 kWh	4779 kWh
Annual energy consumption space heater warmer climate:	2092 kWh	2713 kWh

Technical data of the temperature controller:

Manufacturer:	OCHSNER		
Model:	OTE-Regler		
Controller class with room remote control:	VII	-	
Contribution of the controller to the energy efficiency space heater with room remote control:	3,5	%	
Controller class without room remote control:	III	-	
Contribution of the controller to the energy efficiency space heater without room remote control:	1,5	%	



Low-temperature heat pump: no no	Model:		AQUA 11 HSTA				
Equipped with a supplementary heater: no				Water heating heat pump			
Heat pump combination heater: No No No No No No No N	Low-temperature he	at pump:			no		
Temperature application: Symbol Value Symbol Seasonal space heating energy efficiency Prated 10 kW Prated Prated Not with the presenture 20 Posad at indoor temperature 20 "Cand outdoor temperature 1", 10 sad to indoor temperature 20 "Cand outdoor temperature 1", 10 sad to indoor temperature 20 "Cand outdoor temperature 1", 10 sad to indoor temperature 20 "Cand outdoor temperature 1", 10 sad to indoor temperature 20 "Cand outdoor 1", 22 "Cand outdoor 2", 20 kW Prate 20 "Cand outdoor 2", 20 kW Prate 20 "Cand outdoor 2", 20 kW Prate 20 "Cand outdoor 2", 20 "Cand o	Equipped with a sup	plementary heater:			no		
Name	Heat pump combina	tion heater:			no		
Name	Temperature applica	ition:			low		
Prated 10 kW Seasonal space heating energy efficiency Prated 10 kW Seasonal space heating energy efficiency Proceeding for part load at indoor temperature 20 Declared coefficient of performance or primary energy ratio for pod at indoor temperature 20 °C and outdoor temperature Tj From 2 coefficient of performance or primary energy ratio for pod at indoor temperature 20 °C and outdoor temperature Tj From 2 coefficient of performance or primary energy ratio for pod at indoor temperature 20 °C and outdoor temperature Tj From 2 coefficient of performance or primary energy ratio for pod at indoor temperature 20 °C and outdoor temperature Tj From 2 coefficient of performance or primary energy ratio for pod at indoor temperature 20 °C and outdoor temperature Tj From 2 coefficient of performance or primary energy ratio for pod at indoor temperature 20 °C coefficient of performance or primary energy ratio for pod at indoor temperature 20 °C coefficient of performance or primary energy ratio for pod at indoor temperature 20 °C coefficient of performance or primary energy ratio for pod at indoor temperature 20 °C coefficient of performance or primary energy ratio for pod at indoor temperature 20 °C coefficient of performance or primary energy ratio for pod at indoor temperature 20 °C coefficient of performance or primary energy ratio for pod at indoor temperature 20 °C coefficient of performance or primary energy ratio for pod indoor temperature 20 °C coefficient of pod 7.00 Coefficient 10 coefficient indoor 10 coefficient 20 °C coeffic	Climate conditions:				colder		
Declared capacity for heating for part load at indoor temperature 20 Declared capacity for heating for part load at indoor temperature 20 Declared capacity for heating for part load at indoor temperature 20 Declared capacity for heating for part load at indoor temperature 20 Cando outdoor temperature 7; Tj = -7 ° C	Item		Symbol	Value	Item	Symbol	Value
$ \begin{tabular}{c c c c c c c c c c c c c c c c c c c $	Rated heat output (*)	Prated	10 kW		ης	258 %
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			oad at indoo	r temperature 20			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	·	J	Pdh	10.3 kW	· · · · · · · · · · · · · · · · · · · 		,
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$,		Pdh	10.4 kW	· _ '	COPd	7.00
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	T _j = +7 °C		Pdh	10.6 kW		COPd	7.36
$ T_{j} = \begin{array}{c c c c c c c c c c c c c c c c c c c $	•		Pdh	10.6 kW	· - * 	COPd	7.46
For air-to-water heat pumps: Tj = -15 °C (if TOL< - 20 °C) Pdh 10.2 kW For air-to-water heat pumps: Tj = -15 °C (if TOL< - 20 °C) Power input "compressor off" Poper input "compressor off" Poper consumption in modes other than active mode Off mode Poper 20 W Standby mode Crankcase heater mode Other items Capacity control Sound power level Indoors Outdoors Annual energy consumption heater: Declared load profile Poth 10.0 kW 11 = rature rature For air-to-water heat pumps: ToL -22 °C For air-to-water heat pumps: Operation limit temperature WTOL 68 °C Supplementary heater Supplementary heater Rated heat output (*) Psup 0.00 kW Type of energy input electricity For air-to-water heat pumps: ToL -22 °C Poper air-to-water heat pumps: ToL -22 °C Poper air-to-water heat pumps: Type of energy input electricity For air-to-water heat pumps: Rated air flow rate, outdoors For water-/brine-to-water heat pumps: Rated brine or water flow rate, out-door heat exchanger For heat pump combination heater: Declared load profile - Water heating energy efficiency Numb	T _j = bivalen	t temperature	Pdh	10.0 kW	T _j = bivalent temperature	COPd	5.88
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1: = '	on limit tempe-	Pdh	10.0 kW	1: = · · · ·	COPd	5.88
Bivalent temperature			Pdh	10.2 kW		COPd	6.33
Bivalent temperature	1] = -13 0 (11 102	1 - 20 0)					
Power input "compressor off of wind rature rature with a sective mode supplementary heater Off mode Poff 20 W Rated heat output (*) Psup 0.00 kW Thermostat-off mode Pro 20 W Standby mode PsB 20 W Type of energy input electricity Crankcase heater mode PcK 0 W Other items Capacity control fixed For air-to-water heat pumps: Sound power level indoors outdoors outdoors Annual energy consumption QHE 3665 kWh Declared load profile - Water heating energy efficiency Nwh WIOL 68 C Supplementary heater Supplementary heater Supplementary heater Supplementary heater Supplementary heater Supplementary heater For air-to-water heat pumps: Rated air flow rate, outdoors For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger Water heating energy efficiency Nwh	Bivalent temperature)	T _{biv}	-22 °C	' '	TOL	-22 °C
Off mode Poff 20 W Rated heat output (*) Psup 0.00 kW Thermostat-off mode PTO 20 W Type of energy input electricity Standby mode PsB 20 W Type of energy input electricity Canacity control fixed For air-to-water heat pumps: Capacity control findoors For air-to-water heat pumps: Rated air flow rate, outdoors For water-/brine-to-water heat pumps: Ranual energy consumption QHE 3665 kWh Rated brine or water flow rate, outdoor water, outdoor heat exchanger 2400 l/h For heat pump combination heater: Declared load profile - Water heating energy efficiency nyh -	Power input "compre	essor off"		0 W		WTOL 68 °C	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Power consumption	in modes other tha	n active mo	de	Supplementary heater		
Standby mode	Off mode		Poff	20 W	Rated heat output (*)	Psup	0.00 kW
Crankcase heater mode	Thermostat-off mode	е	P _{TO}	20 W			
Other items Capacity control fixed For air-to-water heat pumps: Sound power level indoors outdoors Annual energy consumption QHE 3665 kWh Declared load profile - Water heating energy efficiency Number For air-to-water heat pumps: Rated air flow rate, outdoors For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger Water heating energy efficiency Number Water heating energy efficiency Number Other items - Water heat pumps: - Water heating energy efficiency Number Other items - Water heat pumps: - Water heating energy efficiency Number - Water heating energy efficiency Number Other items - Water heating energy efficiency Number - Water heating energy efficiency Number Other items - Water heating energy efficiency Oth	Standby mode		P _{SB}	20 W	Type of energy input	electricity	
Capacity control Sound power level indoors outdoors Annual energy consumption Outdoors Outdoors Annual energy consumption Outdoors Outdoors	Crankcase heater m	ode	P _{CK}	0 W			
Sound power level indoors outdoors LwA 45 dB Rated air flow rate, outdoors For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger Power level Powe	Other items						
Sound power level indoors LwA 45 dB Rated air flow rate, outdoors	Capacity control		fixed		For air-to-water heat pumps:		
Annual energy consumption QHE 3665 kWh Rated brine or water flow rate, outdoor heat exchanger For heat pump combination heater: Declared load profile	Sound nower level	indoors	1,,,,	45 dB	Rated air flow rate, outdoors		
Annual energy consumption QHE 3665 kWh Annual energy consumption QHE 3665 kWh Annual energy consumption QHE 3665 kWh Annual energy consumption door heat exchanger For heat pump combination heater: Declared load profile - Water heating energy efficiency \(\eta_{Wh} \) -	Souria power lever	outdoors	LWA	-	For water-/brine-to-water heat pumps:		
Declared load profile - Water heating energy efficiency η _{wh} -	Annual energy consumption Q _{HE} 3665 kWh		Rated brille of water flow rate, out-				
	For heat pump comb	ination heater:			-	'	
Daily electricity consumption Q _{elec} - Daily fuel consumption Q _{fuel} -	Declared load profile		-		Water heating energy efficiency	η _{wh}	-
, , man delice Sample S	Daily electricity cons	sumption	Q _{elec}	-	Daily fuel consumption	Q _{fuel}	-
Contact details OCHSNER Wärmepumpen GmbH, Ochsner-Straße 1, A-3350 H	Contact details				OCHSNER Wärmepumpen GmbH. Och	nsner-Straße	e 1, A-3350 Haad

^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating-Pde-signh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(T_j).



Model:		AQUA 11 HSTA				
		Water heating heat pump				
Low-temperature heat pump:		no				
heater:		no				
		no				
		medium				
		colder				
Symbol	Value	Item	Symbol	Value		
Prated	8 kW	Seasonal space heating energy efficiency	η _s	156 %		
or part load at indoc	r temperature 20					
Pdh	8.8 kW	T _j = -7 °C	COPd	3.86		
Pdh	9.2 kW	T _j = +2 °C	COPd	4.46		
Pdh	9.6 kW	T _j = +7 °C	COPd	5.02		
Pdh	9.8 kW	T _j = +12 °C	COPd	5.51		
ıre Pdh	8.1 kW	T _j = bivalent temperature	COPd	3.12		
pe- Pdh	8.1 kW	T _j = operation limit temperature	COPd	3.12		
Pdh	8 5 kW	For air-to-water heat pumps:	COPd	3.52		
1 411	0.0 KW	$T_j = -15 ^{\circ}\text{C}$ (if TOL< - 20 $^{\circ}\text{C}$)	001 4	0.02		
This	-22 °C	For air-to-water heat pumps:	TOI	-22 °C		
· DIV		Operation limit temperature	1.02			
	0 W	Heating water operating limit temperature	WTOL	68 °C		
ther than active mo	de	Supplementary heater				
Poff	20 W	Rated heat output (*)	Psup	0.00 kW		
P _{TO}	20 W					
P _{SB}	20 W	Type of energy input	electricity			
P _{CK}	0 W					
fixed		For air-to-water heat pumps:				
	45 dB	Rated air flow rate, outdoors	-	-		
LWA	-	For water-/brine-to-water heat pumps:				
Annual energy consumption Q _{HE} 4779 kWh		Rated brine or water flow rate, out-		2400 l/h		
iter:		-	1			
-		Water heating energy efficiency	η _{wh}	-		
Q _{elec}	-	Daily fuel consumption	Q _{fuel}	-		
		OCHSNER Wärmepumpen GmbH, Och	hsner-Straße	e 1, A-3350 Haag		
	Prated Prated Prated Prated Pdh Pdh Pdh Pdh Pdh Pdh Pdh Tbiv Pther than active mo Poff Pro PsB Pck fixed LwA QHE	Symbol Value Prated 8 kW Strand 8 kW Prated 8 kW Prated 9.2 kW Prated 9.8 kW	Water heating heat pump no no no medium colder Symbol Value Item	Water heating heat pump No		

^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating-Pde-signh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(T_j).



Model:				AQUA 11 HSTA		
			Water heating heat pump			
Low-temperature heat pump:		no				
Equipped with a supp	lementary heater:			no		
Heat pump combinati	on heater:			no		
Temperature applicat	ion:			low		
Climate conditions:				average		
Item		Symbol	Value	Item	Symbol	Value
Rated heat output (*)		Prated	10 kW	Seasonal space heating energy efficiency	η_s	247 %
Declared capacity for °C and outdoor temper		oad at indoo	r temperature 20	Declared coefficient of performance or load at indoor temperature 20 °C and o		
T _j = -7 °C		Pdh	10.0 kW	T _j = -7 °C	COPd	5.97
T _j = +2 °C		Pdh	10.2 kW	T _j = +2 °C	COPd	6.47
T _j = +7 °C		Pdh	10.4 kW	T _j = +7 °C	COPd	6.97
T _j = +12 °C		Pdh	10.6 kW	T _j = +12 °C	COPd	7.53
T _j = bivalent	temperature	Pdh	10.0 kW	T _j = bivalent temperature	COPd	5.88
T _j = operation rature	on limit tempe-	Pdh	10.0 kW	T _j = operation limit temperature	COPd	5.88
For air-to-water heat		Pdh	10.0 kW	For air-to-water heat pumps:	COPd	5.88
$T_j = -15 ^{\circ}\text{C}$ (if TOL<	– 20 °C)			$T_{j} = -15 \text{ °C} \text{(if TOL} < -20 \text{ °C)}$		
Bivalent temperature	Bivalent temperature		-10 °C	For air-to-water heat pumps:	TOL	-10 °C
				Operation limit temperature		
Power input "compres	ssor off"		0 W	Heating water operating limit temperature	WTOL	68 °C
Power consumption in	n modes other tha	n active mo	de	Supplementary heater		
Off mode		Poff	20 W	Rated heat output (*)	Psup	0.00 kW
Thermostat-off mode		P _{TO}	20 W	-		
Standby mode		P _{SB}	20 W	Type of energy input	electricity	
Crankcase heater mo	ode	P _{CK}	0 W			
Other items						
Capacity control		fixed		For air-to-water heat pumps:	_	_
Sound power level	indoors	L _{WA}	45 dB	Rated air flow rate, outdoors		
F	outdoors	-110	- For water-/brine-to-water heat pumps:			
Annual energy consumption Q _{HE} 3210 kWh		3210 kWh	Rated brine or water flow rate, out-door heat exchanger - 2400 l/h			
For heat pump combi	nation heater:					
Declared load profile		-		Water heating energy efficiency	η _{wh}	-
Daily electricity consu	umption	Q _{elec}	-	Daily fuel consumption	Q _{fuel}	-
Contact details				OCHSNER Wärmepumpen GmbH, Och	nsner-Straße	e 1, A-3350 Haag

^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating-Pde-signh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).



Model:		AQUA 11 HSTA					
			Water heating heat pump				
Low-temperature heat pump:			no				
Equipped with a supp	lementary heater:			no			
Heat pump combinati	on heater:			no			
Temperature applicati	ion:			medium			
Climate conditions:				average			
			1			1	
Item		Symbol	Value	Item		Symbol	Value
Rated heat output (*)		Prated	8 kW	Seasonal s ciency	pace heating energy effi-	ης	150 %
Declared capacity for °C and outdoor tempe		oad at indoo	r temperature 20		pefficient of performance or oor temperature 20 °C and o		
T _j = -7 °C		Pdh	8.3 kW	T _j = -7 °C		COPd	3.29
T _j = +2 °C		Pdh	8.9 kW	T _j = +2 °C		COPd	4.02
T _j = +7 °C		Pdh	9.3 kW	T _j = +7 °C		COPd	4.57
T _j = +12 °C		Pdh	9.7 kW	T _j = +12 °C		COPd	5.23
T _j = bivalent	temperature	Pdh	8.1 kW	T _j =	bivalent temperature	COPd	3.12
T _j = operatio rature	on limit tempe-	Pdh	8.1 kW	T _j =	operation limit tempe- rature	COPd	3.12
For air-to-water heat p	pumps:			For air-to-water heat pumps: T _j = -15 °C (if TOL< - 20 °C)		COPd	
T _i = -15 °C (if TOL<	– 20 °C)	Pdh	8.1 kW				3.12
	· · · · · · · · · · · · · · · · · · ·	_	For air-to-water heat pumps:	ater heat pumps:		-10 °C	
Bivalent temperature		T _{biv}	-10 °C		imit temperature		TOL
Power input "compres	ssor off"		0 W	Heating water operating limit temperature		WTOL	68 °C
Power consumption in	n modes other tha	n active mo	de	Supplemer	ntary heater		1
Off mode		Poff	20 W	Rated heat	t output (*)	Psup	0.00 kW
Thermostat-off mode		P _{TO}	20 W				
Standby mode		P _{SB}	20 W	Type of energy input		electricity	
Crankcase heater mo	ode	P _{CK}	0 W				
Sonstige Elemente							
Capacity control		fixed		For air-to-w	ater heat pumps:		
0	indoors		45 dB	Rated air flo	ow rate, outdoors	-	-
Sound power level	outdoors	LWA	-	For water-/l	prine-to-water heat pumps:		
Annual energy consumption Q _{HE} 4155 kWh		4155 kWh	_ ' '		2400 l/h		
For heat pump combi	nation heater:	ı				1	1
Declared load profile		-		Water heati	ing energy efficiency	η _{wh}	-
·				-			
Daily electricity consu	umption	Q _{elec}	-	Daily fuel c	onsumption	Q _{fuel}	-

^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating-Pde-signh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(T_j).



Model:		AQUA 11 HSTA				
		Water heating heat pump				
Low-temperature heat pump:		no				
Equipped with a supplementary heater:		no				
ter:		no				
		low				
		warmer				
Symbol	Value	Item	Symbol	Value		
Prated	10 kW	Seasonal space heating energy efficiency	ης	244 %		
	or temperature 20					
Pdh	10.0 kW	T _j = -7 °C	COPd	5.88		
Pdh	10.0 kW	T _j = +2 °C	COPd	5.88		
Pdh	10.2 kW	T _j = +7 °C	COPd	6.36		
Pdh	10.5 kW	T _j = +12 °C	COPd	7.15		
rature Pdh	10.0 kW	T _j = bivalent temperature	COPd	5.88		
tempe- Pdh	10.0 kW	T _j = operation limit temperature	COPd	5.88		
B.11	For air-to-water heat pumps:		0001	5.00		
	10.0 KVV	0.0 kW $T_j = -15 ^{\circ}\text{C}$ (if TOL< $-20 ^{\circ}\text{C}$)		5.88		
		For air-to-water heat pumps:	TOL	0.00		
erature T _{biv} 2 °C		Operation limit temperature	TOL	2 °C		
ıı	0 W	Heating water operating limit temperature	WTOL	68 °C		
s other than active mo	ode	Supplementary heater	'			
Poff	20 W	Rated heat output (*)	Psup	0.00 kW		
P _{TO}	20 W			1		
P _{SB}	20 W	Type of energy input	electricity			
Pck	0 W					
fixed		For air-to-water heat pumps:				
	45 dB	Rated air flow rate, outdoors	-	-		
ors	-	For water-/brine-to-water heat pumps:				
Annual energy consumption Q _{HE} 2092 kWh		Rated brille of water flow rate, out-		2400 l/h		
heater:	•			•		
-		Water heating energy efficiency	η _{wh}	-		
Q _{elec}	-	Daily fuel consumption	Q _{fuel}	-		
		OCHSNER Wärmepumpen GmbH, Och	nsner-Straße	e 1, A-3350 Haag		
	Symbol Prated g for part load at indoor Tj Pdh Pdh Pdh Pdh Pdh Pdh Pdh Pdh Pdh Pd	Symbol Value Prated 10 kW Prated 10 kW Prated 10 kW Prated 10 kW Prated 10.0 kW 10.0 kW Prated 10.0 kW 10.0 kW Prated 10.0 kW 10.0 kW Prated 1	Water heating heat pump Incompleted In	Water heating heat pump		

^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating-Pde-signh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(T_j).



Model:				AQUA 11 H	STA		
			Water heating heat pump				
Low-temperature heat pump:			no				
Equipped with a supplementary heater:		no					
Heat pump combinati	on heater:			no			
Temperature applicati	ion:			medium			
Climate conditions:				warmer			
							1,7,1
Item		Symbol	Value	Item		Symbol	Value
Rated heat output (*)		Prated	8 kW	Seasonal s	pace heating energy effi-	ης	149 %
Declared capacity for °C and outdoor tempe		oad at indoo	r temperature 20		pefficient of performance or oor temperature 20 °C and o		
T _j = -7 °C		Pdh	8.1 kW	$T_j = -7 ^{\circ}C$		COPd	3.12
T _j = +2 °C		Pdh	8.1 kW	T _j = +2 °C		COPd	3.12
T _j = +7 °C		Pdh	8.6 kW	T _j = +7 °C		COPd	3.68
T _j = +12 °C		Pdh	9.4 kW	T _j = +12 °C		COPd	4.78
T _j = bivalent	temperature	Pdh	8.1 kW	T _j =	bivalent temperature	COPd	3.12
T _j = operatio rature	n limit tempe-	Pdh	8.1 kW	T _j =	operation limit tempe- rature	COPd	3.12
For air-to-water heat p	pumps:	Pdh	0.1 1/1//	For air-to-water heat pumps: $T_j = -15 ^{\circ}\text{C}$ (if TOL< $-20 ^{\circ}\text{C}$)		COPd	3.12
$T_j = -15 ^{\circ}\text{C}$ (if TOL<	– 20 °C)	Pan	8.1 kW				3.12
Divolent temperature		_	2 °C	For air-to-w	ater heat pumps:	TOL	2 °C
Bivalent temperature		T _{biv}	, 2 °C		imit temperature	TOL	2 0
Power input "compres	ssor off"		0 W	Heating water operating limit temperature		WTOL	68 °C
Power consumption in	n modes other tha	n active mo	de	Supplemer	ntary heater		
Off mode		Poff	20 W	Rated heat	t output (*)	Psup	0.00 kW
Thermostat-off mode		P _{TO}	20 W				
Standby mode		P _{SB}	20 W	Type of end	ergy input	electricity	
Crankcase heater mo	de	Pck	0 W				
Other items							
Capacity control		fixed		For air-to-w	ater heat pumps:		
Sound nower lavel	indoors	1	45 dB	Rated air flo	ow rate, outdoors	-	-
Sound power level	outdoors	LWA	-	For water-/b	orine-to-water heat pumps:		
Annual energy consumption Q _{HE} 2713 kWh		2713 kWh	Rated brine or water flow rate, out- door heat exchanger		-	2400 l/h	
For heat pump combi	nation heater:		1			1	1
Declared load profile		-		Water heati	ing energy efficiency	η _{wh}	-
Daily electricity consu	umption	Q _{elec}	-	Daily fuel co	onsumption	Q _{fuel}	-

^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating-Pde-signh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(T_j).