

INFORMATION SHEET

Manufacturer: Argoclima S.p.A. – via Alfeno Varo, 35 – 25020 Alfianello (BS) – ITALY					
Model				ANGHP06S SERB. ACS 200 LT B-1S	
Space heating temperature application			°C	35°C	55°C
Water heating declared load profile			-	L	
Seasonal space heating energy efficiency class			-	A+++	A++
Water heating energy efficiency class			-	A+	
Rated heat output	Average climate	P_{rated}	kW	5	5
Space heating annual energy consumption	Average climate	Q_{HE}	kWh	2216	2816
Water heating annual electricity consumption	Average climate	AEC	kWh	885	
Seasonal space heating energy efficiency	Average climate	η_s	%	187	132
Water heating energy efficiency	Average climate	η_{wh}	%	116	
Indoor sound power level		L_{WA}	dB(A)	-	
Rated heat output	Colder climate	P_{rated}	kW	5	5
	Warmer climate		kW	6	5
Space heating annual energy consumption	Colder climate	Q_{HE}	kWh	2856	3429
	Warmer climate	Q_{HE}	kWh	1181	1603
Water heating annual electricity consumption	Colder climate	AEC	kWh	1149	
	Warmer climate	AEC	kWh	812	
Seasonal space heating energy efficiency	Colder climate	η_s	%	163	129
	Warmer climate	η_s	%	246	154
Water heating energy efficiency	Colder climate	η_{wh}	%	89	
	Warmer climate	η_{wh}	%	126	
Outdoor sound power level		L_{WA}	dB(A)	49	

TECHNICAL PARAMETERS				
Model	ANGHP06S SERB. ACS 200 LT B-1S			
Type of heat pump	☒ Air-to-water heat pump ☐ Water-to-water heat pump ☐ Brine-to-water heat pump			
Low-temperature heat pump	☐ Yes ☒ No			
Equipped with a supplementary heater	☐ Yes ☒ No			
Heat pump combination heater	☒ Yes ☐ No			
Climate condition	☒ Average ☐ Colder ☐ Warmer			
Temperature application	☐ Low (35°C) ☒ Medium (55°C)			
Applied standards	EN 14825 / EN 14511 / EN 12102 / EN 16147			
Rated heat output	P_{rated}	5	kW	
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j				
[A] $T_j = -7^{\circ}\text{C}$	P_{dh}	4,1	kW	
[B] $T_j = +2^{\circ}\text{C}$	P_{dh}	2,4	kW	
[C] $T_j = +7^{\circ}\text{C}$	P_{dh}	1,7	kW	
[D] $T_j = +12^{\circ}\text{C}$	P_{dh}	1,0	kW	
[E] $T_j = \text{operation limit temperature}$	P_{dh}	3,6	kW	
[F] $T_j = \text{bivalent temperature}$	P_{dh}	4,1	kW	
[G] $T_j = -15^{\circ}\text{C}$ (if TOL < -20°C)	P_{dh}	-	kW	
Bivalent temperature	T_{biv}	-7	°C	
Cycling interval capacity for heating	P_{cyc}	-	kW	
Degradation co-efficient	C_{dh}	0,9	-	
Power consumption in modes other than active mode				
Off mode	P_{OFF}	0,006	kW	
Thermostat-off mode	P_{SB}	0,006	kW	
Standby mode	P_{TO}	0,006	kW	
Crankcase heater mode	P_{CK}	0,000	kW	
Other items				
Capacity control	Variable			
Sound power level, indoor / outdoor	L_{WA}	- / 49	dB	
Annual energy consumption	Q_{HE}	2816	kWh	
Water heating				
Declared load profile	L			
Daily electricity consumption	Q_{elec}	4,022	kWh	
Annual electricity consumption	AEC	885	kWh	
Seasonal space heating energy efficiency				
		η_s	132	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j				
[A] $T_j = -7^{\circ}\text{C}$	COP_d		2,40	-
[B] $T_j = +2^{\circ}\text{C}$	COP_d		3,29	-
[C] $T_j = +7^{\circ}\text{C}$	COP_d		4,16	-
[D] $T_j = +12^{\circ}\text{C}$	COP_d		4,90	-
[E] $T_j = \text{operation limit temperature}$	COP_d		1,95	-
[F] $T_j = \text{bivalent temperature}$	COP_d		2,40	-
[G] $T_j = -15^{\circ}\text{C}$ (if TOL < -20°C)	COP_d		-	-
Supplementary heater				
Rated heat output	P_{sup}	1,0	kW	
Type of energy input	Electric			
Water heating energy efficiency				
		η_{WH}	126	%
Rated air flow rate, outdoors				
		-	2450	m ³ /h
Contact details	Argoclima S.p.A. – via Alfeno Varo, 35 – 25020 Alfianello (BS) – ITALY			

TECHNICAL PARAMETERS				
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Type of heat pump	☒ Air-to-water heat pump ☐ Water-to-water heat pump ☐ Brine-to-water heat pump			
Low-temperature heat pump	☐ Yes ☒ No			
Equipped with a supplementary heater	☐ Yes ☒ No			
Heat pump combination heater	☒ Yes ☐ No			
Climate condition	☒ Average ☐ Colder ☐ Warmer			
Temperature application	☒ Low (35°C) ☐ Medium (55°C)			
Applied standards	EN 14825 / EN 14511 / EN 12102 / EN 16147			
Rated heat output	P _{rated}	5	kW	
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				
[A] T _j = -7°C	P _{dh}	4,4	kW	
[B] T _j = +2°C	P _{dh}	2,7	kW	
[C] T _j = +7°C	P _{dh}	1,7	kW	
[D] T _j = +12°C	P _{dh}	1,1	kW	
[E] T _j = operation limit temperature	P _{dh}	4,1	kW	
[F] T _j = bivalent temperature	P _{dh}	4,4	kW	
[G] T _j = -15°C (if TOL < -20°C)	P _{dh}	-	kW	
Bivalent temperature	T _{biv}	-7	°C	
Cycling interval capacity for heating	P _{cych}	-	kW	
Degradation co-efficient	C _{dh}	0,9	-	
Power consumption in modes other than active mode				
Off mode	P _{OFF}	0,006	kW	
Thermostat-off mode	P _{SB}	0,006	kW	
Standby mode	P _{TO}	0,006	kW	
Crankcase heater mode	P _{CK}	0,000	kW	
Other items				
Capacity control	Variable			
Sound power level, indoor / outdoor	L _{WA}	- / 48	dB	
Annual energy consumption	Q _{HE}	2216	kWh	
Water heating				
Declared load profile	L			
Daily electricity consumption	Q _{elec}	4,022	kWh	
Annual electricity consumption	AEC	885	kWh	
Contact details	Argoclima S.p.A. – via Alfeno Varo, 35 – 25020 Alfianello (BS) – ITALY			

Seasonal space heating energy efficiency	η _s	187	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
[A] T _j = -7°C	COP _d	2,67	-
[B] T _j = +2°C	COP _d	4,94	-
[C] T _j = +7°C	COP _d	6,02	-
[D] T _j = +12°C	COP _d	7,65	-
[E] T _j = operation limit temperature	COP _d	2,47	-
[F] T _j = bivalent temperature	COP _d	2,67	-
[G] T _j = -15°C (if TOL < -20°C)	COP _d	-	-
Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP _{cyc}	-	-
Heating water operating limit temperature	WTOL	75	°C
Supplementary heater			
Rated heat output	P _{sup}	1,0	kW
Type of energy input	Electric		
Rated air flow rate, outdoors	-	2450	m ³ /h
Water heating energy efficiency	η _{WH}	116	%