

Model				AG4HP081PH			
		ater heat pump					
Type of heat pump		-water heat pu water heat pui	•				
Low-temperature heat pump	☐ Yes	water neat pur ⊠ No	пр				
Equipped with a supplementary heater	□ Yes	⊠ No					
Heat pump combination heater		□ No					
Climate			□ Colder	□ Warmer			
Temperature application	☐ Medium EN14825 / E	,		°C)			
Applied starndards							
Item	Symbol	Value	Unit	Item Seasonal space heating energy	Symbol	Value	Unit
Rated heat output	Prated	8	kW	efficiency	η_{s}	177	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj Declared capacity for heating for part load at indoor temperature 20 °C and temperature Tj Declared coefficient of performance or primary energy ratio for part load at indoor temperature Tj							oad at indoor
Tj = - 7°C	Pdh	7.4	kW	Tj = - 7°C	COPd	3.12	_
Degradation coefficient	Cdh	0.99	-	II			
Tj = + 2°C	Pdh	4.4	kW	Tj = + 2°C	COPd	4.44	-
Degradation coefficient Tj = + 7°C	Cdh Pdh	0.98 3.0	- kW	1			
Degradation coefficient	Cdh	0.95	-	Tj = + 7°C	COPd	5.31	-
Tj = + 12°C	Pdh	3.2	kW	T: - : 40°C	COD4	7.00	
Degradation coefficient	Cdh	0.94	-	Tj = + 12°C	COPd	7.69	-
Tj = bivalent temperature	Pdh	7.4	kW	Tj = bivalent temperature	COPd	3.12	-
Tj = operation limit temperature	Pdh	7.8	kW	Tj = operation limit temperature	COPd	2.77	-
T j = - 15 °C (if TOL < - 20 °C)	Pdh		kW	T j = - 15 °C (if TOL < - 20 °C)	COPd	-	kW
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
	-	-		Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes other the	han active mo	nde		Supplementary heater			
Off mode	P _{OFF}	0.025	kW	Rated heat output	Psup	0.2	kW
Thermostat-off mode	P _{SB}	0.025	kW	Traise meat surput	. оцр	0.2	
Standby mode	P _{TO}	0.025	kW	Type of energy input		Electric	
Crankcase heater mode	P _{CK}	0.025	kW	Type of chergy input		Licotiio	
Oranicase ficater filode	' CK	0.020	KVV				
Other items							
Capacity control		variable		Rated air flow rate, outdoor	-	5800	m³/h
Sound power level, indoor / outdoor	L _{WA}	-/68	dB	D.			
Annual energy consumption	Q_{HE}	3827	kWh	Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
For heat pump combination heater				1			
Declared load profile		XL		Water heating energy efficiency	η_{wh}	123	%
Daily electricity consumption	Qelec	6.506	kWh	Daily fuel consumption	Qfuel	-	kWh
Annual electricity consumption	AEC	1358	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	ARG	OCLIMA	S.p.A.Vi	a Alfeno Varo, 35, 25020, Al	fianello (BS), Italy	,



Model				AG4HP081PH			
		ater heat pump					
Type of heat pump		-water heat pu					
Low-temperature heat pump	☐ Yes	water heat pu	ПР				
Equipped with a supplementary heater	□ Yes	⊠ No					
Heat pump combination heater	⊠ Yes	□ No					
Climate	☐ Average	(FF%O)	⊠ Colder	□ Warmer			
Temperature application	☐ Medium EN14825 / E	,	⊠ Low (35	(°C)			
Item	Symbol	Value	Unit	Item Seasonal space heating energy	Symbol	Value	Unit
Rated heat output	Prated	9	kW	efficiency	η_{s}	165	%
Declared capacity for heating for part loa outdoor temperature Tj	ad at indoor te	mperature 20	°C and	Declared coefficient of performance or p temperature 20 °C and outdoor temperated.		ratio for part lo	oad at indoor
Tj = - 7°C	Pdh	5.7	kW	Ti = - 7°C	COPd	3.45	_
Degradation coefficient	Cdh	0.99		II .,		3.10	
Tj = + 2°C	Pdh	3.5	kW	Tj = + 2°C	COPd	5.16	-
Degradation coefficient Tj = + 7°C	Cdh Pdh	0.97 2.6	- kW	 -			
Degradation coefficient	Cdh	0.95	KVV	Tj = + 7°C	COPd	6.69	-
Tj = + 12°C	Pdh	3.0	kW	T: 4000	0001	7.50	
Degradation coefficient	Cdh	0.95	-	Tj = + 12°C	COPd	7.53	-
Tj = bivalent temperature	Pdh	7.4	kW	Tj = bivalent temperature	COPd	2.70	-
Tj = operation limit temperature	Pdh	6.1	kW	Tj = operation limit temperature	COPd	1.87	-
T j = – 15 °C (if TOL < – 20 °C)	Pdh	7.4	kW	T j = - 15 °C (if TOL < - 20 °C)	COPd	2.70	kW
Bivalent temperature	Tbiv	-15	°C	Operation limit temperature	TOL	-22	°C
Cycling interval capacity for heating	Pcych	_	kW	Cycling interval efficiency	COPcyc	-	-
	,	Heating water operati temperature	Heating water operating limit temperature	WTOL	65	°C	
Power consumption in modes other the	han active mo	nde		Supplementary heater			
Off mode	P _{OFF}	0.025	kW	Rated heat output	Psup	2.9	kW
Thermostat-off mode	P _{SB}	0.025	kW	Traise float susper	Гоар	2.0	
			kW	Type of apargy input		Floatrio	
Standby mode	P _{TO}	0.025		Type of energy input		Electric	
Crankcase heater mode	P _{CK}	0.025	kW	<u> </u>			
Other items							
Capacity control		variable		Rated air flow rate, outdoor		5800	m ³ /h
Sound power level, indoor / outdoor	L _{WA}	-/68	dB	Tatod dir now rato, outdoor		0000	/
Annual energy consumption	Q _{HE}	5303	kWh	Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
For heat pump combination heater							
Declared load profile		XL		Water heating energy efficiency	η _{wh}	101	%
Daily electricity consumption	Qelec	7.905	kWh	Daily fuel consumption	Qfuel	-	kWh
Annual electricity consumption	AEC	1648	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	ΔRG	OCL IMA	S.n.A Vi	a Alfeno Varo, 35, 25020, Al	fianello (BS), Italy	,
Service dotailo		CCLIMA	. O.P.A. VI	a / 1110110 fai 0, 00, 20020, Ai		<i></i> , italy	



Model				AG4HP081PH				
		ater heat pump						
Type of heat pump		-water heat pu	•					
Low-temperature heat pump	☐ Yes	water heat pui ⊠ No	пр					
Equipped with a supplementary heater	□ Yes	⊠ No						
Heat pump combination heater	⊠ Yes	□ No						
Climate	☐ Average	/==aa\	☐ Colder	⊠ Warmer				
Temperature application	☐ Medium	,		°C)				
Applied starndards	EN14825 / E	N16147						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output	Prated	9	kW	Seasonal space heating energy efficiency	η_{s}	257	%	
Declared capacity for heating for part loa outdoor temperature Tj	ad at indoor te	mperature 20	°C and	Declared coefficient of performance or primary energy ratio for part load at indoctemperature 20 °C and outdoor temperature Tj				
Tj = - 7°C	Pdh	-	kW	Tj = - 7°C	COPd	_	_	
Degradation coefficient	Cdh	-	-	<u> </u>	001 4		_	
Tj = + 2°C	Pdh	9.4	kW	Tj = + 2°C	COPd	3.85	-	
Degradation coefficient	Cdh	0.99	-	<u> </u>				
Tj = + 7°C Degradation coefficient	Pdh Cdh	6.1 0.98	kW	Tj = + 7°C	COPd	6.07	-	
Tj = + 12°C	Pdh	3.2	kW					
Degradation coefficient	Cdh	0.95	-	Tj = + 12°C	COPd	7.83	-	
Tj = bivalent temperature	Pdh	9.4	kW	Tj = bivalent temperature	COPd	3.85	-	
Tj = operation limit temperature	Pdh	9.4	kW	Tj = operation limit temperature	COPd	3.85	-	
T j = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW	T j = - 15 °C (if TOL < - 20 °C)	COPd	-	kW	
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	2	°C	
Cycling interval capacity for heating	Pcych	_	kW	Cycling interval efficiency	COPcyc	-	-	
Cycling interval capacity for heating	i cycii	-	KVV	Heating water operating limit temperature	WTOL	65	°C	
	41	1.		1 Complement of the state				
Power consumption in modes other to Off mode			kW	Supplementary heater	Davis	0	kW	
	P _{OFF}	0.025		Rated heat output	Psup	Ü	KVV	
Thermostat-off mode	P _{SB}	0.025	kW	41				
Standby mode	P _{TO}	0.025	kW	Type of energy input		Electric		
Crankcase heater mode	P _{CK}	0.025	kW]				
Other items								
Capacity control		variable		Rated air flow rate, outdoor	-	5800	m³/h	
Sound power level, indoor / outdoor	L _{WA}	-/68	dB					
Annual energy consumption	Q _{HE}	1942	kWh	Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h	
For heat pump combination heater								
Declared load profile		XL		Water heating energy efficiency	η_{wh}	123	%	
Daily electricity consumption	Qelec	6.505	kWh	Daily fuel consumption	Qfuel	-	kWh	
Annual electricity consumption	AEC	1358	kWh	Annual fuel consumption	AFC	-	GJ	
Contact details	ARG	OCLIMA	S.p.A.Vi	a Alfeno Varo, 35, 25020, Al	fianello (BS), Italy	,	



Model				AG4HP081PH			
in oddi		ater heat pump)	7.0 00			
Type of heat pump		-water heat pu					
	☐ Brine-to-	water heat pur	mp				
Low-temperature heat pump	☐ Yes	⊠ No					
Equipped with a supplementary heater	□ Yes	⊠ No					
Heat pump combination heater		□ No					
Climate			☐ Colder	□ Warmer			
Temperature application			☐ Low (35°	°C)			
Applied starndards	EN14825 / E	N16147					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output	Prated	9	kW	Seasonal space heating energy efficiency	η_{s}	145	%
Declared capacity for heating for part loa outdoor temperature Tj	ad at indoor te	mperature 20	°C and	Declared coefficient of performance or p temperature 20 °C and outdoor temperature		ratio for part lo	oad at indoor
Tj = - 7°C Degradation coefficient	Pdh Cdh	8.3 0.99	kW	Tj = - 7°C	COPd	2.33	-
Ti = + 2°C	Pdh	5.2	kW	T 0°0	005 :	0.55	
Degradation coefficient	Cdh	0.98	-	Tj = + 2°C	COPd	3.57	-
Tj = + 7°C	Pdh	3.3	kW	Tj = + 7°C	COPd	4.96	
Degradation coefficient	Cdh	0.97	-	1) - 1 7 3		4.50	_
Tj = + 12°C	Pdh	3.0	kW	Tj = + 12°C	COPd	6.56	-
Degradation coefficient Tj = bivalent temperature	Cdh Pdh	0.96 8.3	- kW	Tj = bivalent temperature	COPd	2.33	
Tj = operation limit temperature	Pdh	8.7	kW	Tj = operation limit temperature	COPd	1.81	-
T j = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW	T j = - 15 °C (if TOL < - 20 °C)	COPd	- 1.01	kW
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-10	°C
				Cycling interval efficiency	COPcyc	-	-
Cycling interval capacity for heating	Pcych	-	kW	Heating water operating limit temperature	WTOL	65	°C
Dower consumption in modes other t	han aatiya ma	do		Supplementary hoster			
Power consumption in modes other to Off mode	P _{OFF}	0.025	kW	Supplementary heater Rated heat output	Psup	0.3	kW
Thermostat-off mode			kW	Nated Heat Output	Fsup	0.3	KVV
	P _{SB}	0.025	-	 -			
Standby mode	P _{TO}	0.025	kW	Type of energy input		Electric	
Crankcase heater mode	P _{CK}	0.025	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoor	_	5800	m ³ /h
Sound power level, indoor / outdoor	L _{WA}	-/68	dB	rtated all liest rate, eatage.		0000	,
Annual energy consumption	Q _{HE}	5206	kWh	Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
For heat pump combination heater							
Declared load profile		XL		Water heating energy efficiency	η_{wh}	123	%
Daily electricity consumption	Qelec	6.506	kWh	Daily fuel consumption	Qfuel	-	kWh
Annual electricity consumption	AEC	1358	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	ARG	OCLIMA	S.p.A.Via	a Alfeno Varo, 35, 25020, Al	lfianello (BS), Italy	'



Model				AG4HP081PH			
		ater heat pump					
Type of heat pump		-water heat pu					
Low-temperature heat pump	☐ Yes	water heat pu	пр				
Equipped with a supplementary heater	□ Yes	⊠ No					
Heat pump combination heater	⊠ Yes	□ No					
Climate	☐ Average	(5500)	⊠ Colder	□ Warmer			
Temperature application	✓ Medium	,	□ Low (35	°C)			
Applied starndards	EN14825 / E	N 16147					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output	Prated	8	kW	Seasonal space heating energy efficiency	η_{s}	125	%
Declared capacity for heating for part loa outdoor temperature Tj	ad at indoor te	mperature 20	°C and	Declared coefficient of performance or p temperature 20 °C and outdoor temperat		ratio for part lo	oad at indoor
Tj = - 7°C	Pdh	5.2	kW	Ti = - 7°C	COPd	2.83	_
Degradation coefficient	Cdh	0.99	-	, · · ·		2.00	_
Tj = + 2°C	Pdh	2.9	kW	Tj = + 2°C	COPd	3.73	-
Degradation coefficient	Cdh	0.98	-	 			
Tj = + 7°C Degradation coefficient	Pdh Cdh	2.4 0.96	kW	Tj = + 7°C	COPd	4.44	-
Tj = + 12°C	Pdh	3.0	kW	1			
Degradation coefficient	Cdh	0.96	-	Tj = + 12°C	COPd	7.10	-
Tj = bivalent temperature	Pdh	6.7	kW	Tj = bivalent temperature	COPd	2.09	-
Tj = operation limit temperature	Pdh	4.1	kW	Tj = operation limit temperature	COPd	1.06	-
T j = -15 °C (if TOL < -20 °C)	Pdh	6.7	kW	T j = - 15 °C (if TOL < - 20 °C)	COPd	2.09	kW
Bivalent temperature	Tbiv	-15	°C	Operation limit temperature	TOL	-22	°C
Cycling interval capacity for heating	Pcych	_	kW	Cycling interval efficiency	COPcyc	-	-
-,g	,			Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes other the	han active me	do		Supplementary heater			
Off mode	P _{OFF}	0.025	kW	Rated heat output	Psup	3.9	kW
			ļ	Trated fleat output	i sup	5.9	KVV
Thermostat-off mode	P _{SB}	0.025	kW				
Standby mode	P _{TO}	0.025	kW	Type of energy input		Electric	
Crankcase heater mode	P _{CK}	0.025	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoor		5800	m ³ /h
Sound power level, indoor / outdoor	L _{WA}	-/68	dB	Tatod dir now rato, outdoor		0000	111 /11
Annual energy consumption	Q _{HE}	6322	kWh	Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
For heat pump combination heater							
Declared load profile		XL		Water heating energy efficiency	η _{wh}	101	%
Daily electricity consumption	Qelec	7.905	kWh	Daily fuel consumption	Qfuel	-	kWh
Annual electricity consumption	AEC	1648	kWh	Annual fuel consumption	AFC	-	GJ
				11			
Contact details	ARG	GOCLIMA	S.p.A.V	ia Alfeno Varo, 35, 25020, A	lfianello	(BS), Italy	y



Model				AG4HP081PH				
		· ·						
Type of heat pump		-water heat pu water heat pur						
Low-temperature heat pump	☐ Yes	water fleat pur ⊠ No	пр					
Equipped with a supplementary heater	□ Yes	⊠ No						
Heat pump combination heater		□ No						
Climate	☐ Average	(5500)	□ Colder	⊠ Warmer				
Temperature application	✓ Medium		☐ Low (35°	C)				
Applied starndards	EN14825 / E	N 10 147						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output	Prated	9	kW	Seasonal space heating energy efficiency	η_{s}	190	%	
Declared capacity for heating for part loa outdoor temperature Tj	ad at indoor ter	mperature 20	°C and	Declared coefficient of performance or p temperature 20 °C and outdoor temperature		ratio for part lo	oad at indoor	
Tj = - 7°C	Pdh	-	kW	Tj = - 7°C	COPd	_	_	
Degradation coefficient	Cdh	-	-	,				
Tj = + 2°C Degradation coefficient	Pdh Cdh	8.6 0.99	kW	Tj = + 2°C	COPd	2.59	-	
Ti = + 7°C	Pdh	6.3	kW	T: 700	005 :	401		
Degradation coefficient	Cdh	0.99	-	Tj = + 7°C	COPd	4.21	-	
Tj = + 12°C	Pdh	3.0	kW	Tj = + 12°C	COPd	6.32	_	
Degradation coefficient	Cdh	0.96	-	, , , , , , , , , , , , , , , , , , ,				
Tj = bivalent temperature	Pdh	8.6	kW	Tj = bivalent temperature	COPd	2.59	-	
Tj = operation limit temperature T j = - 15 °C (if TOL < - 20 °C)	Pdh Pdh	8.6	kW kW	Tj = operation limit temperature T j = - 15 °C (if TOL < - 20 °C)	COPd COPd	2.59	- kW	
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	2	°C	
Cycling interval capacity for heating	1514	Cycling interval efficiency Heating water operating limit	COPcyc	-	-			
	Pcych		kW	Heating water operating limit temperature	WTOL	65	°C	
Power consumption in modes other t	han active mo	de		Supplementary heater				
Off mode	P _{OFF}	0.025	kW	Rated heat output	Psup	0.4	kW	
Thermostat-off mode	P _{SB}	0.025	kW					
Standby mode	P _{TO}	0.025	kW	Type of energy input	Electric			
Crankcase heater mode	P _{CK}	0.025	kW					
Othor items								
Other items Capacity control		variable		Rated air flow rate, outdoor	_	5800	m ³ /h	
Sound power level, indoor / outdoor	L _{WA}	-/68	dB	Nated all flow rate, outdoor	-	3600	111 /11	
•				Rated brine or water flow rate, outdoor	-	-	m³/h	
Annual energy consumption	Q _{HE}	2372	kWh	heat exchanger				
For heat pump combination heater								
Declared load profile		XL		Water heating energy efficiency	η_{wh}	123	%	
Daily electricity consumption	Qelec	6.505	kWh	Daily fuel consumption	Qfuel	_	kWh	
Daily electricity consumption	Qelec	0.505	KVVII	Daily idei consumption	Qiuei	-	KVVII	
Annual electricity consumption	AEC	1358	kWh	Annual fuel consumption	AFC	-	GJ	
Contact details	ARG	OCLIMA	S.p.A.Via	a Alfeno Varo, 35, 25020, Al	fianello (BS), Italy	,	