

Model	AG4HP103PH								
		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		□ 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	9	kW	efficiency	η_{s}	189	%		
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 temperate		ratio for part lo	oad at indoor		
Tj = - 7°C	Pdh	8.3	kW	Tj = - 7°C	COPd	3.15	_		
Degradation coefficient	Cdh	0.99	-	II					
Tj = + 2°C	Pdh	4.6	kW	Tj = + 2°C	COPd	4.32	-		
Degradation coefficient Tj = + 7°C	Cdh Pdh	0.98 3.3	- kW	1					
Degradation coefficient	Cdh	0.95	-	Tj = + 7°C	COPd	7.46	-		
Tj = + 12°C	Pdh	3.2	kW	T: - : 40°C	COD4	7.44			
Degradation coefficient	Cdh	0.94	-	Tj = + 12°C	COPd	7.44	-		
Tj = bivalent temperature	Pdh	8.3	kW	Tj = bivalent temperature	COPd	3.15	-		
Tj = operation limit temperature	Pdh	8.3	kW	Tj = operation limit temperature	COPd	2.74	-		
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	0.7	kW		
Thermostat-off mode	P _{SB}	0.025	kW	Traise meat surput	. оцр	0			
Standby mode	P _{TO}	0.025	kW	Type of energy input		Electric	ic		
Crankcase heater mode	P _{CK}	0.025	kW	Type of chergy input		Licotiio			
Crankcase fleater fliode	ı CK	0.023	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}	4069	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	6506	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				AG4HP103PH			
		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	/==0.6\		□ Warmer			
Temperature application	☐ Medium	,		°C)			
Applied starndards	EN14825 / E	N 16147					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output	Prated	10	kW	Seasonal space heating energy efficiency	η _s	150	%
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	5.7	kW	Ti = - 7°C	COPd	2.95	_
Degradation coefficient	Cdh	0.99	-	, -, <u>-</u>		2.30	
Tj = + 2°C	Pdh	3.4	kW	Tj = + 2°C	COPd	4.71	-
Degradation coefficient	Cdh	0.97	-	 			
Tj = + 7°C Degradation coefficient	Pdh Cdh	2.8 0.95	kW	Tj = + 7°C	COPd	6.23	-
Tj = + 12°C	Pdh	3.2	kW	1			
Degradation coefficient	Cdh	0.95	-	Tj = + 12°C	COPd	6.85	-
Tj = bivalent temperature	Pdh	7.8	kW	Tj = bivalent temperature	COPd	2.73	-
Tj = operation limit temperature	Pdh	6.0	kW	Tj = operation limit temperature	COPd	1.86	-
T j = -15 °C (if TOL < -20 °C)	Pdh	7.8	kW	T j = - 15 °C (if TOL < - 20 °C)	COPd	2.73	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	4	kW
			ļ	Trated fleat output	i sup	4	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				,
Annual energy consumption	Q _{HE}	6194	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	7905	kWh	Daily fuel consumption	Qfuel	-	kWh
Annual electricity consumption	AEC	1648	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	ARG	OCLIMA	S.p.A.Vi	a Alfeno Varo, 35, 25020, Al	fianello (BS), Italy	,
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Model				AG4HP103PH			
		ater heat pump					
Type of heat pump		-water heat pu water heat pu					
Low-temperature heat pump	☐ Yes	water neat pur ⊠ No	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)			
Applied starndards							
Item	Symbol	Value	Unit	Item Seasonal space heating energy	Symbol	Value	Unit
Rated heat output	Prated	10	kW	efficiency	η_{s}	223	%
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 temperate		ratio for part lo	oad at indoor
Tj = - 7°C	Pdh	-	kW	Tj = - 7°C	COPd	_	_
Degradation coefficient	Cdh	-		II .,			
Tj = + 2°C	Pdh	10.,	kW	Tj = + 2°C	COPd	3.70	-
Degradation coefficient Tj = + 7°C	Cdh Pdh	0.99 6.0	- kW	-			
Degradation coefficient	Cdh	0.98	KVV	Tj = + 7°C	COPd	5.63	-
Tj = + 12°C	Pdh	3.0	kW	1			
Degradation coefficient	Cdh	0.95	-	Tj = + 12°C	COPd	6.22	-
Tj = bivalent temperature	Pdh	10.1	kW	Tj = bivalent temperature	COPd	3.70	-
Tj = operation limit temperature	Pdh	10.1	kW	Tj = operation limit temperature	COPd	3.70	-
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	-	-
-,g	,			Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes other the	han aativa ma	do		Supplementary heater			
Off mode	P _{OFF}	0.025	kW	Rated heat output	Psup	0	kW
			ļ	Nated Heat Output	Fsup	U	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	m³/h
Sound power level, indoor / outdoor	L _{WA}	-/68	dB				,
Annual energy consumption	Q _{HE}	2399	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	6505	kWh	Daily fuel consumption	Qfuel	-	kWh
Annual electricity consumption	AEC	1358	kWh	Annual fuel consumption	AFC	-	GJ
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Contact details	ARG	OCLIMA	S.p.A.Vi	a Alfeno Varo, 35, 25020, Al	fianello (BS), Italy	'



Model				AG4HP103PH				
in oddi		ater heat pump)	7.0 100				
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	Medium	, ,	☐ Low (35°	°C)				
Applied starndards	EN14825 / E	N16147						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output	Prated	10	kW	Seasonal space heating energy efficiency	η_{s}	140	%	
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 tempera		ratio for part lo	oad at indoor	
Tj = - 7°C Degradation coefficient	Pdh Cdh	9.0 0.99	kW	Tj = - 7°C	COPd	2.45	-	
Tj = + 2°C	Pdh	5.2	kW	T	007:			
Degradation coefficient	Cdh	0.98	-	Tj = + 2°C	COPd	3.44	-	
Tj = + 7°C	Pdh	3.5	kW	Ti = + 7°C	COPd	4.63	_	
Degradation coefficient	Cdh	0.97	-	1) - + 1 0	COFu	4.03	-	
Tj = + 12°C	Pdh	2.9	kW	Tj = + 12°C	COPd	5.21	-	
Degradation coefficient	Cdh	0.96	-	·	0001			
Tj = bivalent temperature	Pdh Pdh	9.0 9.6	kW kW	Tj = bivalent temperature	COPd COPd	2.45 2.15	-	
Tj = operation limit temperature T j = -15 °C (if TOL < -20 °C)	Pdh	9.0	kW	Tj = operation limit temperature T j = - 15 °C (if TOL < - 20 °C)	COPd	Z.15 -	- 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	
		1						
Power consumption in modes other to Off mode		0.025	kW	Supplementary heater	Davie.	0.4	kW	
	P _{OFF}			Rated heat output	Psup	0.4	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	Trated all flow rate, edited:		0000	111 /11	
Annual energy consumption	Q _{HE}	5907	kWh	Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h	
				Ш				
For heat pump combination heater								
Declared load profile		XL		Water heating energy efficiency	η _{wh}	123	%	
Daily electricity consumption	Qelec	6506	kWh	Daily fuel consumption	Qfuel	-	kWh	
Annual electricity consumption	AEC	1358	kWh	Annual fuel consumption	AFC	-	GJ	
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Contact details	ARG	OCLIMA	S.p.A.Vi	a Alfeno Varo, 35, 25020, Al	lfianello (BS), Italy	'	



Model	AG4HP103PH								
		ater heat pump							
Type of heat pump		-water heat pu	•						
Low-temperature heat pump	☐ Yes	water heat pui	пр						
Equipped with a supplementary heater	□ Yes	⊠ No							
Heat pump combination heater	⊠ Yes	□ No							
Climate	☐ Average	(FF0O)	⊠ Colder	□ Warmer					
Temperature application		,	□ Low (35	°C)					
Applied starndards									
Item	Symbol	Value	Unit	Item Seasonal space heating energy	Symbol	Value	Unit		
Rated heat output	Prated	9	kW	efficiency	η_{s}	124	%		
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 20 °C and outdoor temperature.		ratio for part lo	oad at indoor		
Tj = - 7°C	Pdh	5.8	kW	Ti = - 7°C	COPd	2.95	_		
Degradation coefficient	Cdh	0.99	-	1 ' ' ' '		2.00			
Tj = + 2°C	Pdh	3.5	kW	Tj = + 2°C	COPd	3.50	-		
Degradation coefficient Tj = + 7°C	Cdh Pdh	0.98 2.7	- kW						
Degradation coefficient	Cdh	0.96	-	Tj = + 7°C	COPd	4.83	-		
Tj = + 12°C	Pdh	3.4	kW	T: - : 40°C	COPd	6.08			
Degradation coefficient	Cdh	0.96	-	Tj = + 12°C			-		
Tj = bivalent temperature	Pdh	7.6	kW	Tj = bivalent temperature	COPd	2.20	-		
Tj = operation limit temperature	Pdh	4.1	kW	Tj = operation limit temperature	COPd	1.06	-		
T j = - 15 °C (if TOL < - 20 °C)	Pdh	7.6	kW	T j = - 15 °C (if TOL < - 20 °C)	COPd	2.20	kW		
Bivalent temperature Cycling interval capacity for heating	Tbiv	-15 -	°C	Operation limit temperature	TOL	-22	°C		
	Pcych		kW	Cycling interval efficiency	COPcyc	-	-		
				Heating water operating limit temperature	WTOL	65	°C		
Power consumption in modes other the	nan active mo	nde		Supplementary heater					
Off mode	Poff	0.025	kW	Rated heat output	Psup	4.9	kW		
Thermostat-off mode	P _{SB}	0.025	kW	The same surpur	. 546				
Standby mode	P _{TO}	0.025	kW	Type of energy input		Electric			
Crankcase heater mode	P _{CK}	0.025	kW	Trype of chergy input		Licotiic			
Crankcase fleater fliode	ı CK	0.023	KVV						
Other items									
Capacity control		variable		Rated air flow rate, outdoor	-	5800	m³/h		
Sound power level, indoor / outdoor	L _{WA}	-/68	dB	Dated being an outland flavourte authori					
Annual energy consumption	Q_{HE}	7206	kWh	Rated brine or water flow rate, outdoor heat exchanger	-	-	m ³ /h		
For heat pump combination heater				,					
Declared load profile		XL		Water heating energy efficiency	η_{wh}	101	%		
Daily electricity consumption	Qelec	7905	kWh	Daily fuel consumption	Qfuel	-	kWh		
Annual electricity consumption	AEC	1648	kWh	Annual fuel consumption	AFC	-	GJ		
Contact details	ARC	GOCLIMA	S.p.A.V	ia Alfeno Varo, 35, 25020, A	lfianello	(BS). Italy	,		
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Model				AG4HP103PH			
		ater heat pump					
Type of heat pump		-water heat pu	•				
Low-temperature heat pump	☐ Yes	water heat pui	пр				
Equipped with a supplementary heater	□ Yes	⊠ No					
Heat pump combination heater	⊠ Yes	□ No					
Climate	☐ Average	(FF0O)	□ Colder	⊠ Warmer			
Temperature application	Medium EN14825 / E	,	□ Low (35	°C)			
Applied starndards							
Item	Symbol	Value	Unit	Item Seasonal space heating energy	Symbol	Value	Unit
Rated heat output	Prated	10	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 temperat		ratio for part lo	oad at indoor
Tj = - 7°C	Pdh	-	kW	Tj = - 7°C	COPd	_	_
Degradation coefficient	Cdh	-	-	II .,			
Tj = + 2°C	Pdh	10.1	kW	Tj = + 2°C	COPd	2.55	-
Degradation coefficient Tj = + 7°C	Cdh Pdh	0.99 6.0	- kW	II			
Degradation coefficient	Cdh	0.99	KVV	Tj = + 7°C	COPd	3.63	-
Tj = + 12°C	Pdh	3.3	kW				
Degradation coefficient	Cdh	0.96	-	Tj = + 12°C	COPd	5.30	-
Tj = bivalent temperature	Pdh	10.1	kW	Tj = bivalent temperature	COPd	2.55	-
Tj = operation limit temperature	Pdh	10.1	kW	Tj = operation limit temperature	COPd	2.55	-
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	-	-
-,g	. 5,			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	0	kW
				Nated Heat Output	Fsup	U	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	Traise an new rate; eatage:		0000	,
Annual energy consumption	Q _{HE}	3236	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	6505	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	,
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