

ype of heat pump ow-temperature heat pump	AGHP163PH						
	☑ Air-to-water heat pump						
ow-temperature heat pump		-water heat pu	•				
ow-temperature heat pump		water heat pu	mp				
	□ Yes	🗵 No					
quipped with a supplementary heater	□ Yes	🗵 No					
eat pump combination heater	🗵 Yes	🗆 No					
limate	☑ Average		□ Colder	Warmer			
emperature application	□ Medium		🗵 Low (35	°C)			
pplied starndards	EN14825 / E	N16147					_
em	Symbol	Value	Unit	Item	Symbol	Value	Unit
ated heat output	Prated 13 kW Seasonal space heating energy efficiency				η	166	%
eclared capacity for heating for part loa utdoor temperature Tj	ad at indoor te	mperature 20	°C and	Declared coefficient of performance or p temperature 20 °C and outdoor temperation		ratio for part lo	oad at indo
j = - 7°C	Pdh	11,40	kW	Tj = - 7°C	COPd	2,65	
egradation coefficient	Cdh	0,99	-	ij / C	COPu	2,00	-
= + 2°C	Pdh	7,00	kW	Tj = + 2°C	COPd	3,98	-
egradation coefficient	Cdh	0,98	-	, <u> </u>		2,00	
= + 7°C	Pdh	7,70	kW	Tj = + 7°C	COPd	5,82	-
egradation coefficient	Cdh Pdh	0,98 9,60	- kW	ll			
egradation coefficient	Cdh	9,00	-	Tj = + 12°C	COPd	8,21	-
= bivalent temperature	Pdh	11,40	kW	Tj = bivalent temperature	COPd	2,65	-
= operation limit temperature	Pdh	10,80	kW	Ti = operation limit temperature	COPd	2,43	-
j = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW	T j = – 15 °C (if TOL < – 20 °C)	COPd	-	kW
valent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C
ycling interval capacity for heating	Pcych		kW	Cycling interval efficiency	COPcyc	-	-
yoning interval capacity for nearing	reyen	-	RVV	Heating water operating limit temperature	WTOL	60	°C
ower consumption in modes other the	han active mo	ode		Supplementary heater			
ff mode	P _{OFF}	0,000	kW	Rated heat output	Psup	3,0	kW
hermostat-off mode	P _{SB}	0,025	kW			-,-	
tandby mode	P _{TO}	0,025	kW	Type of energy input		Electric	
rankcase heater mode	P _{CK}	0,010	kW				
ther items							
apacity control		variable		Rated air flow rate, outdoor	-	4500	m³/h
ound power level, indoor / outdoor	L _{WA}	- / 72	dB				
				Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
	Q _{HE}	6276	kWh				
•							
nnual energy consumption or heat pump combination heater					1		
nnual energy consumption		XL		Water heating energy efficiency	η _{wh}	90,9	%
nnual energy consumption	Qelec	XL 8835	kWh	Water heating energy efficiency Daily fuel consumption	n _{wh} Qfuel	90,9 -	% kWh



ype of heat pump	AGHP163PH							
ype of heat pump	🗵 Air-to-wa	ater heat pump	5					
		-water heat pu	•					
		water heat pu	np					
ow-temperature heat pump	□ Yes	🗵 No						
quipped with a supplementary heater	□ Yes	🗵 No						
leat pump combination heater	🗵 Yes	🗆 No						
Climate	Average		⊠ Colder	□ Warmer				
emperature application	Medium	()	🗵 Low (35	5°C)				
pplied starndards	EN14825 / E	N16147						
em	Symbol Value Unit			Item	Symbol	Value	Unit	
ated heat output	Prated 11 kW Seasonal space heating energy efficiency				η _s	136	%	
eclared capacity for heating for part lo utdoor 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 indo	
j = - 7°C	Pdh	8,00	kW	Ti = - 7°C	COPd	2,83		
egradation coefficient	Cdh	0,98	-		COFU	2,00	-	
j = + 2°C	Pdh	6,30	kW	Tj = + 2°C	COPd	3,98	-	
egradation coefficient	Cdh	0,98	-	.,		-,		
j = + 7°C	Pdh	7,80	kW	Tj = + 7°C	COPd	5,94	-	
egradation coefficient i = + 12°C	Cdh Pdh	0,97 9,80	- kW	11				
egradation coefficient	Cdh	9,80	KVV	Tj = + 12°C	COPd	8,26	-	
= bivalent temperature	Pdh	8,70	kW	Tj = bivalent temperature	COPd	2,22	-	
= operation limit temperature	Pdh	9,20	kW	Tj = operation limit temperature	COPd	2,01	-	
j = – 15 °C (if TOL < – 20 °C)	Pdh	8,70	kW	T j = – 15 °C (if TOL < – 20 °C)	COPd	2,22	kW	
ivalent temperature	Tbiv	-15	°C	Operation limit temperature	TOL	-25	°C	
ycling interval capacity for heating	Davah		kW	Cycling interval efficiency	COPcyc	-	-	
young interval capacity for heating	Pcych	-	KVV	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other	than active m	do		Supplementary heater				
off mode	P _{OFF}	0,018	kW	Rated heat output	Psup	0,0	kW	
	P _{SB}	0,018	kW		1 oup	0,0		
hermostat-off mode	P _{TO}	0,018	kW	Type of energy input	Electric			
						Licotro		
tandby mode	P _{CK}	0,000	kW			21000110		
tandby mode rankcase heater mode	Р _{ск}	0,000	kW			2100110		
tandby mode rankcase heater mode ther items	Рск	0,000 variable	kW	Rated air flow rate, outdoor	-	4500	m ³ /h	
tandby mode rankcase heater mode t her items apacity control		variable		Rated air flow rate, outdoor	-		m ³ /h	
tandby mode irankcase heater mode ither items iapacity control	Р _{ск}		kW	Rated brine or water flow rate, outdoor	-		m ³ /h	
tandby mode rankcase heater mode ther items apacity control ound power level, indoor / outdoor		variable			-	4500		
hermostat-off mode itandby mode irankcase heater mode Other items isapacity control isound power level, indoor / outdoor innual energy consumption or heat pump combination heater	L _{WA}	variable - / 72	dB	Rated brine or water flow rate, outdoor	-	4500		
tandby mode rankcase heater mode ther items apacity control ound power level, indoor / outdoor nnual energy consumption or heat pump combination heater	L _{WA}	variable - / 72	dB	Rated brine or water flow rate, outdoor	- - η _{wh}	4500		
tandby mode irankcase heater mode ther items apacity control ound power level, indoor / outdoor .nnual energy consumption	L _{WA}	variable - / 72 7553	dB	Rated brine or water flow rate, outdoor heat exchanger	-	4500	m ³ /h	



ype of heat pump		AGHP163PH						
ype of heat pump								
		-water heat pu	•					
		water heat pu	mp					
ow-temperature heat pump	□ Yes	🗵 No						
quipped with a supplementary heater	□ Yes	🗵 No						
eat pump combination heater	🗵 Yes	□ No						
limate	□ Average		□ Colder	🗵 Warmer				
emperature application	□ Medium	· · ·	🗵 Low (35	5°C)				
pplied starndards	EN14825 / E	N16147						
em	Symbol	Value	Unit	ltem	Symbol	Value	Unit	
ated heat output	Prated	13	η_{s}	228	%			
eclared capacity for heating for part lo utdoor temperature Tj	oad 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 indo	
i = - 7°C	Pdh	-	kW	T' 700	0001			
egradation coefficient	Cdh	-	-	Tj = - 7°C	COPd	-	-	
= + 2°C	Pdh	13,20	kW	Tj = + 2°C	COPd	3,04	-	
egradation coefficient	Cdh	0,99	-	1] - 1 2 0	COLO	3,04	-	
j = + 7°C	Pdh	8,40	kW	Tj = + 7°C	COPd	5,10	-	
egradation coefficient	Cdh	0,98	-					
= + 12°C egradation coefficient	Pdh Cdh	9,60 0,97	kW -	Tj = + 12°C	COPd	7,39	-	
= bivalent temperature	Pdh	13,20	- kW	Tj = bivalent temperature	COPd	3,04	-	
= operation limit temperature	Pdh	13,20	kW	Tj = operation limit temperature	COPd	3,04	-	
j = -15 °C (if TOL < -20 °C)	Pdh	-	kW	$T_j = -15 \text{ °C} (\text{if TOL} < -20 \text{ °C})$	COPd	-	kW	
valent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C	
				Cycling interval efficiency	COPcyc	-	-	
Cycling interval capacity for heating	Pcych	-	kW	Heating water operating limit temperature	WTOL	60	°C	
	than active mo	de		Supplementary heater				
ower consumption in modes other			kW	Rated heat output	Psup	0,0	kW	
-	POFF	0,018	r v v				K V V	
off mode	P _{OFF} P _{SB}	0,018 0,018	kW		1 oup	0,0	KVV	
ff mode hermostat-off mode tandby mode	P _{SB} P _{TO}	0,018 0,018	kW kW	Type of energy input	1 oup	Electric	KVV	
ff mode hermostat-off mode tandby mode	P _{SB}	0,018	kW	Type of energy input	- Cup			
ff mode hermostat-off mode tandby mode rankcase heater mode	P _{SB} P _{TO}	0,018 0,018	kW kW	Type of energy input	Toup		KW	
ff mode hermostat-off mode tandby mode rankcase heater mode ther items	P _{SB} P _{TO}	0,018 0,018	kW kW	Type of energy input Rated air flow rate, outdoor			m ³ /h	
ower consumption in modes other off mode hermostat-off mode tandby mode irrankcase heater mode ther items capacity control ound power level, indoor / outdoor	P _{SB} P _{TO}	0,018 0,018 0,000	kW kW	Rated air flow rate, outdoor Rated brine or water flow rate, outdoor		Electric		
ff mode hermostat-off mode tandby mode rankcase heater mode ther items apacity control ound power level, indoor / outdoor	P _{SB} P _{TO} P _{CK}	0,018 0,018 0,000 variable	kW kW kW	Rated air flow rate, outdoor		Electric	m ³ /h	
ff mode hermostat-off mode tandby mode rankcase heater mode ther items apacity control ound power level, indoor / outdoor nnual energy consumption	P _{SB} P _{TO} P _{CK}	0,018 0,018 0,000 variable - / 72	kW kW kW dB	Rated air flow rate, outdoor Rated brine or water flow rate, outdoor		Electric	m ³ /h	
ff mode hermostat-off mode tandby mode rankcase heater mode ther items apacity control ound power level, indoor / outdoor nnual energy consumption or heat pump combination heater	P _{SB} P _{TO} P _{CK}	0,018 0,018 0,000 variable - / 72	kW kW kW dB	Rated air flow rate, outdoor Rated brine or water flow rate, outdoor	- - η _{wh}	Electric	m ³ /h	
ff mode hermostat-off mode tandby mode rankcase heater mode ther items apacity control	P _{SB} P _{TO} P _{CK}	0,018 0,018 0,000 variable - / 72 3070	kW kW kW dB	Rated air flow rate, outdoor Rated brine or water flow rate, outdoor heat exchanger	-	Electric 4500	m ³ /h	



Type of heat pump	AGHP163PH							
ype of heat pump	🗵 Air-to-wa	☑ Air-to-water heat pump						
	□ Water-to	-water heat pu	ump					
	□ Brine-to-	water heat pu	mp					
ow-temperature heat pump	□ Yes	🗵 No						
quipped with a supplementary heater	□ Yes	🗵 No						
leat pump combination heater	🗵 Yes	□ No						
limate	⊠ Average		Colder	□ Warmer				
emperature application	🗵 Medium	(55°C)	□ Low (35	°C)				
pplied starndards	EN14825 / E	N16147						
em	Symbol	Value	Unit	Item	Symbol	Value	Unit	
ated heat output	Prated	13	kW	Seasonal space heating energy efficiency	η _s	128	%	
eclared capacity for heating for part lo utdoor temperature Tj	oad at indoor te	mperature 20	°C and	Declared coefficient of performance or p temperature 20 °C and outdoor temperat		ratio for part l	oad at indo	
i = - 7°C	Pdh	11,20	kW					
egradation coefficient	Cdh	0,99	-	Tj = - 7°C	COPd	1,96	-	
= + 2°C	Pdh	6,80	kW	Ti = + 2°C	COPd	3 00		
egradation coefficient	Cdh	0,99	-	1) - + 2 0	COPu	3,22	-	
= + 7°C	Pdh	7,30	kW	Tj = + 7°C	COPd	4,25	-	
egradation coefficient	Cdh	0,99	-	I		.,		
= + 12°C	Pdh	9,50	kW	Tj = + 12°C	COPd	6,49	-	
egradation coefficient	Cdh Pdh	0,98	- kW	Ti — hivelent terme endure	0004	1.00		
= bivalent temperature = operation limit temperature	Pdh	11,20 10,10	kW	Tj = bivalent temperature Tj = operation limit temperature	COPd COPd	1,96 1,78	-	
j = -15 °C (if TOL < $-20 °C$)	Pdh	-	kW	T j = $-15 \degree$ C (if TOL < $-20 \degree$ C)	COPd	-	kW	
valent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-25	°C	
			-	Cycling interval efficiency	COPcyc	-	-	
cycling interval capacity for heating	Pcych	-	kW	Heating water operating limit	N/TO)	60		
				temperature	WTOL	60	°C	
ower consumption in modes other	than active mo	ode		temperature Supplementary heater	WIOL	80	°C	
-	than active mo	ode 0,018	kW		Psup	3,0	°C kW	
ower consumption in modes other Iff mode hermostat-off mode			kW kW	Supplementary heater				
ff mode hermostat-off mode tandby mode	P _{OFF} P _{SB} P _{TO}	0,018 0,018 0,018	kW kW	Supplementary heater				
ff mode nermostat-off mode andby mode	P _{OFF} P _{SB}	0,018 0,018	kW	Supplementary heater Rated heat output		3,0		
ff mode nermostat-off mode andby mode rankcase heater mode	P _{OFF} P _{SB} P _{TO}	0,018 0,018 0,018	kW kW	Supplementary heater Rated heat output		3,0		
ff mode nermostat-off mode andby mode rankcase heater mode ther items	P _{OFF} P _{SB} P _{TO}	0,018 0,018 0,018 0,000	kW kW	Supplementary heater Rated heat output Type of energy input		3,0 Electric	kW	
ff mode hermostat-off mode tandby mode rankcase heater mode ther items	P _{OFF} P _{SB} P _{TO}	0,018 0,018 0,018	kW kW	Supplementary heater Rated heat output		3,0		
ff mode hermostat-off mode tandby mode rankcase heater mode ther items apacity control	P _{OFF} P _{SB} P _{TO}	0,018 0,018 0,018 0,000	kW kW	Supplementary heater Rated heat output Type of energy input Rated air flow rate, outdoor Rated brine or water flow rate, outdoor		3,0 Electric	kW	
ff mode hermostat-off mode tandby mode rankcase heater mode ther items apacity control ound power level, indoor / outdoor	Р _{оFF} Р _{SB} Р _{TO} Р _{CK}	0,018 0,018 0,018 0,000 variable	kW kW kW	Supplementary heater Rated heat output Type of energy input		3,0 Electric	kW m ³ /h	
ff mode hermostat-off mode	P _{OFF} P _{SB} P _{TO} P _{CK}	0,018 0,018 0,018 0,000 variable - /72	kW kW kW dB	Supplementary heater Rated heat output Type of energy input Rated air flow rate, outdoor Rated brine or water flow rate, outdoor		3,0 Electric	kW m ³ /h	
ff mode hermostat-off mode tandby mode rankcase heater mode ther items apacity control bund power level, indoor / outdoor nnual energy consumption or heat pump combination heater	P _{OFF} P _{SB} P _{TO} P _{CK}	0,018 0,018 0,018 0,000 variable - /72	kW kW kW dB	Supplementary heater Rated heat output Type of energy input Rated air flow rate, outdoor Rated brine or water flow rate, outdoor		3,0 Electric	kW m ³ /h	
ff mode hermostat-off mode tandby mode rankcase heater mode ther items apacity control ound power level, indoor / outdoor nnual energy consumption	P _{OFF} P _{SB} P _{TO} P _{CK}	0,018 0,018 0,018 0,000 variable - /72 7945	kW kW kW dB	Supplementary heater Rated heat output Type of energy input Rated air flow rate, outdoor Rated brine or water flow rate, outdoor heat exchanger	Psup -	3,0 Electric 4500	kW m ³ /h m ³ /h	



el	AGHP163PH							
of heat pump		-water heat p						
		water heat pu	imp					
emperature heat pump	□ Yes	🗵 No						
ped with a supplementary heater	r □ Yes	🗵 No						
pump combination heater	🗵 Yes	🗆 No						
te	Average		⊠ Colder	□ Warmer				
erature application	Medium		Low (35)	°C)				
ed starndards	EN14825/E	N16147						
	Symbol	Value	Unit	Item	Symbol	Value	Unit	
l heat output	Prated	Prated 11 kW Seasonal space heating energy efficiency					%	
red capacity for heating for part l or temperature Tj	oad 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 indo	
7°C	Pdh	7,80	kW	T: _ 7°.0	0004	1.01		
adation coefficient	Cdh	0,99	-	Tj = - 7°C	COPd	1,91	-	
2°C	Pdh	6,00	kW	Tj = + 2°C	COPd	2,98	-	
adation coefficient	Cdh	0,99	-			_,00		
7°C adation coefficient	Pdh Cdh	7,40 0,99	kW	Tj = + 7°C	COPd	4,66	-	
12°C	Pdh	9,70	- kW	T. 1000	007.		1	
adation coefficient	Cdh	0,99	-	Tj = + 12°C	COPd	6,92	-	
ivalent temperature	Pdh	8,90	kW	Tj = bivalent temperature	COPd	1,86	-	
peration limit temperature	Pdh	8,10	kW	Tj = operation limit temperature	COPd	1,50	-	
- 15 °C (if TOL < - 20 °C)	Pdh	8,90	kW	T j = -15 °C (if TOL < -20 °C)	COPd	1,86	kW	
ent temperature	Tbiv	-15	°C	Operation limit temperature	TOL	-25	°C	
ng interval capacity for heating	Pcych	-	kW	Cycling interval efficiency Heating water operating limit	COPcyc	-	-	
				temperature	WTOL	60	°C	
r consumption in modes other	than active mo	ode		Supplementary heater				
ode	POFF	0,018	kW	Rated heat output	Psup	3,0	kW	
nostat-off mode	P _{SB}	0,018	kW					
by mode	P _{TO}	0,018	kW	Type of energy input	Electric			
case heater mode	Р _{СК}	0,000	kW	JI				
r items								
city control		variable		Rated air flow rate, outdoor	-	4500	m³/h	
d power level, indoor / outdoor	L _{WA}	- / 72	dB	Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h	
al energy consumption	Q _{HE}	10532	kWh					
eat pump combination heater								
red load profile		XL		Water heating energy efficiency	η _{wh}	68,6	%	
electricity consumption	Qelec	11306	kWh	Daily fuel consumption	Qfuel	-	kWh	
al electricity consumption	AEC	2441	kWh	Annual fuel consumption	AFC	-	GJ	
electricity consumption	AEC	11306 2441	k	Wh	Wh Daily fuel consumption Annual fuel consumption	Wh Daily fuel consumption Qfuel Wh Annual fuel consumption AFC	Wh Daily fuel consumption Qfuel	



Model	AGHP163PH							
	☑ Air-to-water heat pump							
ype of heat pump		-water heat pu	•					
		water heat pu	mp					
ow-temperature heat pump	□ Yes	🗵 No						
quipped with a supplementary heater	□ Yes	🗵 No						
leat pump combination heater	🗵 Yes	□ No						
Climate	□ Average		□ Colder	🗵 Warmer				
emperature application	⊠ Medium	, ,	Low (35)	°C)				
Applied starndards	EN14825 / E	N16147						
tem	Symbol	Value	Unit	ltem	Symbol	Value	Unit	
ated heat output	Prated	9	kW	Seasonal space heating energy efficiency	η _s	150	%	
eclared capacity for heating for part lo	oad at indoor te	mperature 20	°C and	Declared coefficient of performance or p	rimarv enerov	ratio for part lo	oad at indo	
utdoor temperature Tj				temperature 20 °C and outdoor temperat	, ,,			
ij = - 7°C	Pdh	-	kW	Ti = 7°C	COPd			
egradation coefficient	Cdh	-	-	Tj = - 7°C	COPu	-	-	
j = + 2°C	Pdh	8,80	kW	Tj = + 2°C	COPd	2,17	-	
egradation coefficient i = + 7°C	Cdh	1,00	-	<u>ال</u>				
J = + 7°C Degradation coefficient	Pdh Cdh	6,50 0,99	kW -	Tj = + 7°C	COPd	2,96	-	
j = + 12°C	Pdh	9,50	kW	T 10%0	005	E 10		
egradation coefficient	Cdh	0,98	-	Tj = + 12°C	COPd	5,49	-	
i = bivalent temperature	Pdh	8,80	kW	Tj = bivalent temperature	COPd	2,17	-	
= operation limit temperature	Pdh	8,80	kW	Tj = operation limit temperature	COPd	2,17	-	
j = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW	$T j = -15 \degree C (if TOL < -20 \degree C)$	COPd	-	kW	
ivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-25	°C	
	Pcych -			Cycling interval efficiency	COPcyc	-	-	
cycling interval capacity for heating		-	- kW	Heating water operating limit	WTOL	60	°C	
				temperature	WIOL	00	0	
Power consumption in modes other	than active m	do		Supplementary heater				
Off mode	P _{OFF}	0,018	kW	Rated heat output	Psup	0,0	kW	
hermostat-off mode	P _{SB}	0,018	kW		i Sup	0,0		
tandby mode	P _{TO}	0,018	kW	Type of energy input		Electric		
rankcase heater mode	P _{CK}	0,000	kW					
ther items	1					4500	3	
apacity control		variable	<u> </u>	Rated air flow rate, outdoor	-	4500	m³/h	
ound power level, indoor / outdoor	L _{WA}	- / 72	dB	Rated brine or water flow rate, outdoor				
nnual energy consumption	Q _{HE}	3073	kWh	heat exchanger	-	-	m³/h	
Tinual energy consumption	QHE	3073	KVVII					
or heat pump combination heater								
eclared load profile		XL		Water heating energy efficiency	η_{wh}	95,2	%	
aily electricity consumption	Qelec	8459	kWh	Daily fuel consumption	Qfuel	-	kWh	
nnual electricity consumption	AEC	1760	kWh	Annual fuel consumption	AFC	-	GJ	
Contact details	ARG	OCLIMA	S.p.A.Vi	a Alfeno Varo, 35, 25020, Al	fianello (BS), Italy	,	
			•					
	1							



Information requirements (comfort chillers)

As by Table 11 of COMMISSION REGULATION (EU) 2016/2281 of 30 November 2016 implementing Directive 2009/125/EC of the European Parliament and of the Council establishing a framework for the setting of ecodesign requirements for energy-related products, with regard to ecodesign requirements for air heating products, cooling products, high temperature process chillers and fan coil units.

MODEL : AGHP1	63PH						
Outdoor side heat e	xchanger of	airconditioner :	air				
Indoor side heat exc	hanger of ai	rconditioner : w	ater				
Type: compressor d	riven vapour	compression					
Driver of compresso	r: electric m	otor					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	13	kW	Seasonal space cooling energy efficiency	ηs,c	179	%
Declared cooling cap temperatures Tj and				Declared energy effic temperatures Tj	ciency ratio for _l	, part load at given ou	tdoor
Tj = 35°C	Pdc	12,80	kW	Tj = 35°C	EERd	2,59	-
Tj = 30°C	Pdc	9,40	kW	Tj = 30°C	EERd	3,84	-
Tj = 25°C	Pdc	6,10	kW	Tj = 25°C	EERd	5,17	-
Tj = 20°C	Pdc	5,00	kW	Tj = 20°C	EERd	6,69	-
	•	•					
Degradation co- efficient for air conditioners(*)	Cdc	0,9	-				
		Power of	consumption in	n modes other than 'a			
Off mode	P _{OFF}	0,018	kW	Crankcase heater mo	de P _{CK}	-	kW
Thermostat-off mode	P _{TO}	0,018	kW	«stand-by» mode	P _{SB}	0,018	kW
				Other items			
Capacity control		Vari	able	For air-to-air air conditioner: air flow rate, outdoor measured	L _{WA}	4500	m³/h
Sound power level, indoor/outdoor	L _{WA}	72	dB(A)				
If engine driven: Emissions of nitrogen oxides	NOX(**)	-	mg/kWh input GCV				
GWP of the refrigerant	GWP	675	kg CO2 eq (100 years)				
Contact details:				Argoclima Spa -		aro, 35 - 25020 Al aly	fianello (BS)

(**) If Cdh is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25.

(***) From 26 September 2018. Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.



PRODUCT FICHE

As by ANNEX IV - POINT 1 of COMMISSION REGULATION (EU) No 811/2013 of 18 February 2013 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to the energy labelling of space heaters, combination heaters, packages of space heater, temperature control and solar device and packages of combination heater, temperature control and solar device.

MEDIUM TEMPERATURE HEAT PUMP - Low & Medium temperature application

MODEL: AGHP163PH

SEASONAL SPACE HEATING ENERGY EFFICIENCY CLASS			A++
	г		
	Drotod	55°C 13	kW
Rated heat output (average climate conditions)	Prated	13	KVV
DECLARED LOAD PROFILE			XL
SEASONAL WATER HEATING ENERGY EFFICIENCY CLASS			Α
	Γ	55°C	
Annual energy consumption (average climate conditions)	Q _{HE}	7945	kWh
	rr		
Annual electricity consumption for water heating (average climate conditions)	AEC	1843	kWh
	Г	55°C	
Seasonal space heating energy efficiency (average climate conditions)	η _s	128	%
Water heating energy efficiency (average climate conditions)	η _{wh}	90.9	%
	_		
		55°C	
Rated heat output (colder climate conditions)	Pnominale	11	kW
Rated heat output (warmer climate conditions)	Pnominale	9	kW
	Г	5500	
Annual electricity consumption for space heating (colder climate conditions)	Q _{HE}	55°C 10532	kWh
Annual electricity consumption for space heating (warmer climate conditions)	Q _{HE}	3073	kWh
	116		
Annual electricity consumption for water heating (colder climate conditions)	AEC	2441	kWh
Annual electricity consumption for water heating (warmer climate conditions)	AEC	1760	kWh
	F		
		55°C	
Seasonal space heating energy efficiency (colder climate conditions)	η₅	100	%
Seasonal space heating energy efficiency (warmer climate conditions)	η _s	150	%
Water heating energy efficiency (colder climate conditions)	η _{wh}	68.6	%
Water heating energy efficiency (voider climate conditions) Water heating energy efficiency (warmer climate conditions)	η _{wh}	95.2	%
	Γ	Esterno	
Sound power level	L _{WA}	72	dB
Contact information		na Spa - Via /	
	35 - 2502	20 Alfianello	(BS) ITALY

Specific precautions for assembly, installation and maintenance of the combined heat pump:

(1) Before proceeding with the installation, check that the power supply used corresponds to that indicated on the data plate

and check the safety of the current;

- (2) Before use, check and confirm that the electrical connections and water pipes are made correctly,
- to avoid water leaks, electric shocks or fires;

(3) Do not operate the machine with wet hands and do not allow children to play with the unit; (4) The On / Off key is used to switch the unit on or off by the end user, to switch off the unit completely disconnect the power cord:

(5) Do not expose the unit to corrosive environment with water or humidity;

(6) Do not use the unit without water in the tank. The air delivery and return must not be obstructed with objects;
 (7) The water in the unit and piping should be drained when not using the unit to prevent freeze breakage

of the tank, water pipes and water pump;

(8) Never press the button with sharp objects to avoid damaging the hand control. Never use other connections instead of the special communication lines of the unit to protect the control elements.

Never clean the hand control with benzine or thinner to avoid discoloration of the surface or elements being damaged.

Clean the unit with a damp cloth. Gently clean the display screen and connecting parts to prevent them from being damaged; (9) The power cable must be separated from the communication lines.