

AQUA PLUS*

SWAN-2 190÷300

Packaged monoblock heat pump for domestic hot water production

ENERGY SAVING



Integration Heating/DHW



Smart Grid ready

COMFORT



DHW

RELIABILITY



Backup heater



Keymark 025

HEALTH



Energy renewable

CONVENIENCE



Integrated DHW tank

MANAGEMENT AND CONNECTIVITY



Input ON/OFF



Port Modbus



Control4 NRG management



Control via App



- ✓ Advanced connectivity: management via the App or via the Modbus port with Control4 NRG included as standard
- ✓ Standard supplied with electronic anode, Smart Grid and Photovoltaic contacts and external fan
- ✓ Standard version or with solar integration for combination with ELFOSun³
- ✓ Operation with heat pump only with the outdoor air between -7°C and 43°C
- ✓ Market-leading A+ efficiency class

Reliable all year round

AQUA Plus transforms the renewable energy in the air into heat to be used to increase the temperature of the domestic hot water in the storage tank. This is done with minimal use of electricity, so much so that it boasts the market-leading A+ efficiency class.

The total heating capacity available (1.6 kW or 2.2 kW heat pump and 1.5 kW additional heater) means that hot water can always be produced in the best possible way.

Operation with renewable energy alone, which for even more virtuous operations can be enhanced by the contribution of ELFOSun³ solar collectors, is guaranteed in practically all climates: between -7°C and 43°C. In extreme conditions, the production of hot water continues in combination with the electric heater with the outdoor air down to -20°C.



1. AC fan
2. Twin-rotary compressor
3. Air-gas finned exchanger
4. 180-litre/280-litre DHW tank
5. Coil exchanger (wound around the tank)
6. Electronic anode
7. 1.5kW safety/auxiliary heater
8. Solar coil (only on solar version)

accessories



VENX

Additional fan



CA200X

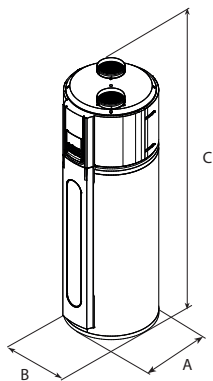
Adapter to connect a Ø200mm air duct to a Ø190mm connection (for a full kit order 2 pieces)



COPX

Accessory connection cables

dimensions and connections



Size			190	190S	300	300S
Dimensions	AxCxB	mm	610x1.830x560		700x1.930x650	
Operating weight		kg	287	310	412	434
Refrigerant charge		type / GWP	R-134a / 1.430			
		kg	1,10		1,50	
		CO ₂ tons	1,57		2,15	
External diameters	Air	mm	160		190	
	Water	inch			3/4"	
	Condensate drain	mm			10	
	Solar	inch	-	3/4"	-	3/4"

technical data

Size				190	190S	300	300S
DHW	Heating capacity	Water 10/53°C	kW	1,59			2,16
	COP	Outdoor air 14°C DB/87% UR	-	3,69			3,97
	Heating time		h:min	5:41			6:31
	Heating capacity	Water 10/53°C	kW	1,38			1,84
	COP	Outdoor air 7°C DB/87% UR	-	3,29			3,46
	Heating time		h:min	6:40			7:40
	Nominal tank volume		l	176	168	284	272
	Electrical power for meter sizing		kW	2,10		2,25	
	Power heater		kW			1,50	
Seasonal efficiency	DHW	Energy class	-	A+		A+	
		Annual energy consumption	kWh/year	890		1.356	
		Withdrawal profile	-	L		XL	
Medium climate		η _s (seasonal output)	%	115		123	

Technical specifications

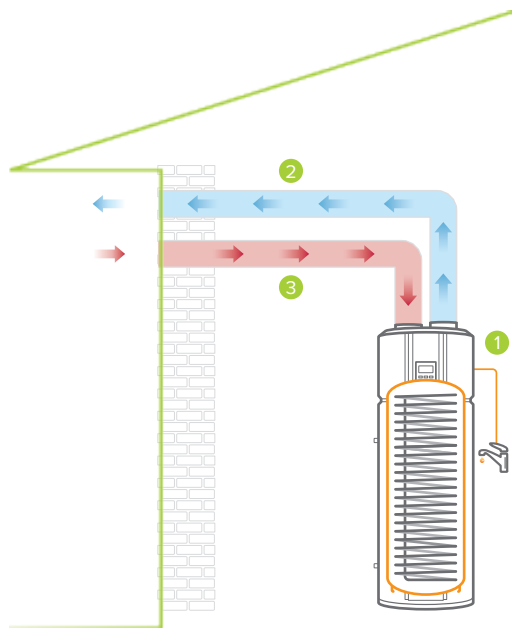
Fan	Air flow rate	Nominal	m ³ /h	270		414	
	Available pressure	Water content	Pa	25		45	
Sound power		Water content	dB(A)	51		53	
		Water content	dB(A)	36,6		38,2	
Tank insulation	Material / Medium Thickness ¹		-	PU+ / 50mm			
Thermal dispersions		W/K		0,91		0,94	
Solar pipe coil	Surface	m ²		-	1,10	-	1,30
Maximum operating pressure		bar		10			
Power supply	Voltage/Frequency/Phases	V/Hz/n°		230/50/1			

Operating range

Water temperature	Minimum / Maximum	°C		10 / 70			
Operating range (outdoor air)	Minimum / Maximum	°C		-20 / 43			

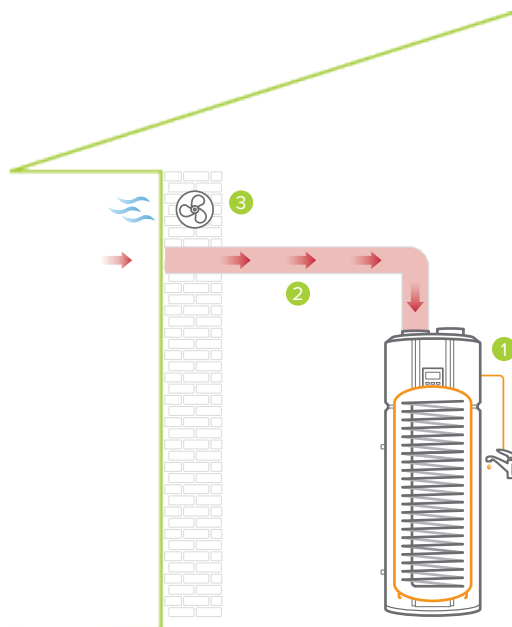
Impianto per produzione di ACS

- 1 heat pump for DHW
- 2 exhaust air duct*
- 3 drawn air duct*



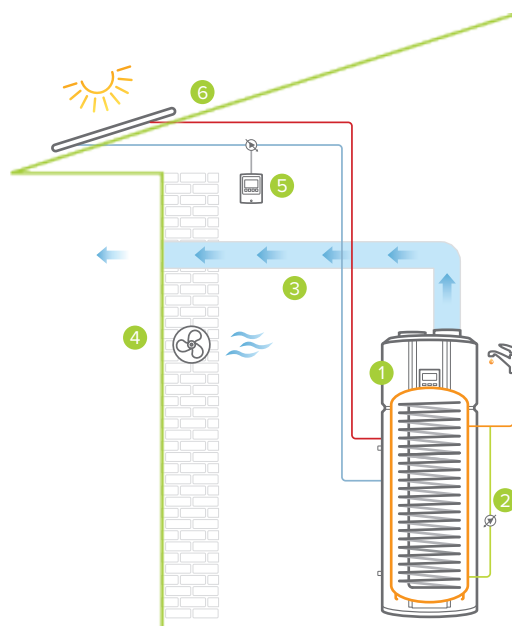
Impianto per produzione di ACS

- 1 heat pump for DHW
- 2 drawn air duct*
- 3 ventilation system



System for DHW production with thermal solar:

- 1 heat pump for DHW with solar system provision
- 2 DHW recirculation pump*
- 3 exhaust air duct*
- 4 ventilation system
- 5 solar circulation kit (optional)
- 6 ELFOSun³ thermal solar (optional)



*from external supply

