

SWD

Heat pump heaters for swimming pool water

Technical and construction features

The **SWD** heat pump is the ideal solution for swimming pools. Connected to the water treatment system, it absorbs energy contained in the air and, using R-32 refrigerant, transfers it to the pool water, allowing it to reach the optimal comfort temperature and extending the pool's season.

ADVANTAGES OF SWD POOL HEAT PUMPS

- Extended season: maintains the ideal water temperature throughout the entire season.
- Extremely high efficiency, COP greater than 5.
- Substantial reduction in consumption.
- Environmentally friendly: does not use fossil fuels.
- Compact dimensions that guarantee installation flexibility.

TITANIUM EXCHANGER

The **SWD** unit's heat exchanger is an excellent solution for heating pool water, whether using chlorinated water or salt water. The spiral design maximizes heat exchange capacity and is made of titanium, which is extremely durable and suitable for environments with high corrosion risk.

For correct installation, a suitable hydraulic bypass with calibration gates must be provided at the heat pump's hydraulic connections.



RENEWABLE ENERGY



ECO-FRIENDLY GAS



TITANIUM EXCHANGER



VERY HIGH YIELD

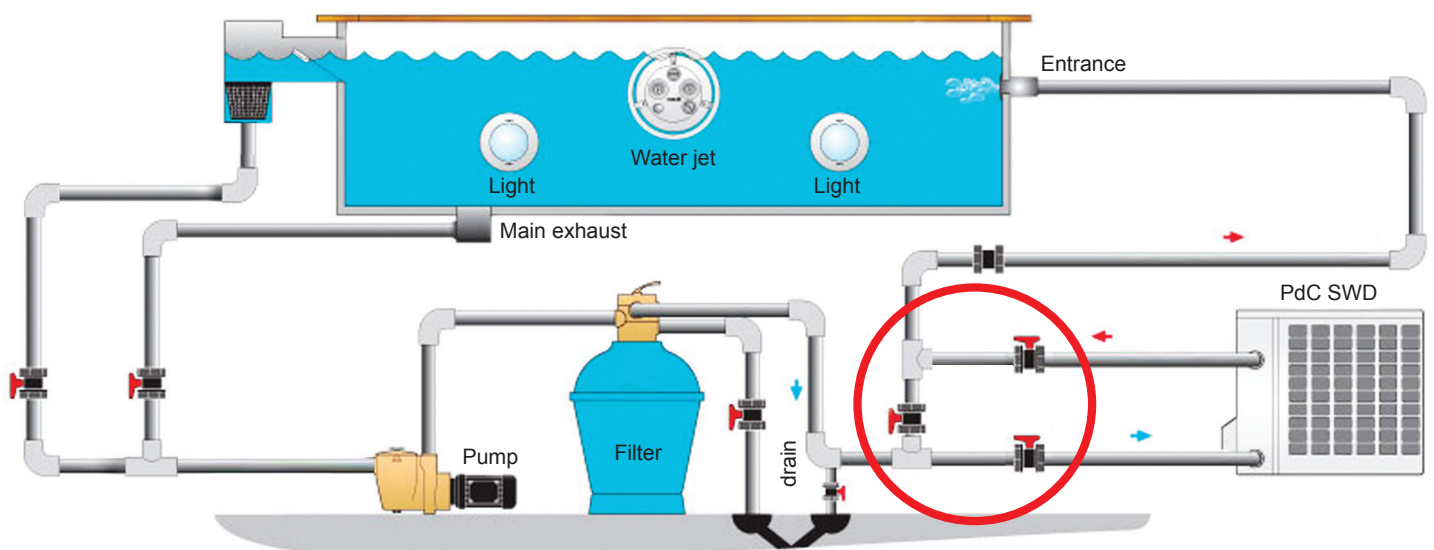


INSTALLATION PLUG AND PLAY

Model	Thermal Power kW*	Recommended Volume m ³	Code	€
SWD 28	2,00 ÷ 7,00	18-35	39000014	3.695,00
SWD 40	2,56 ÷ 11,50	30-60	39000015	4.100,00
SWD 60	4,38 ÷ 18,40	50-90	39000016	5.200,00
SWD 80	5,70 ÷ 24,20	65-120	39000017	6.894,00
SWD 80T	5,70 ÷ 24,20	65-120	39000018	7.882,00
SWD 90T	7,20 ÷ 28,80	90-170	39000019	8.862,00

* Heating power, external air 27 °C, water inlet / outlet temperature 26 °C / 28 °C, humidity 80%

SWD Pool Heat Pump Heater System Diagram



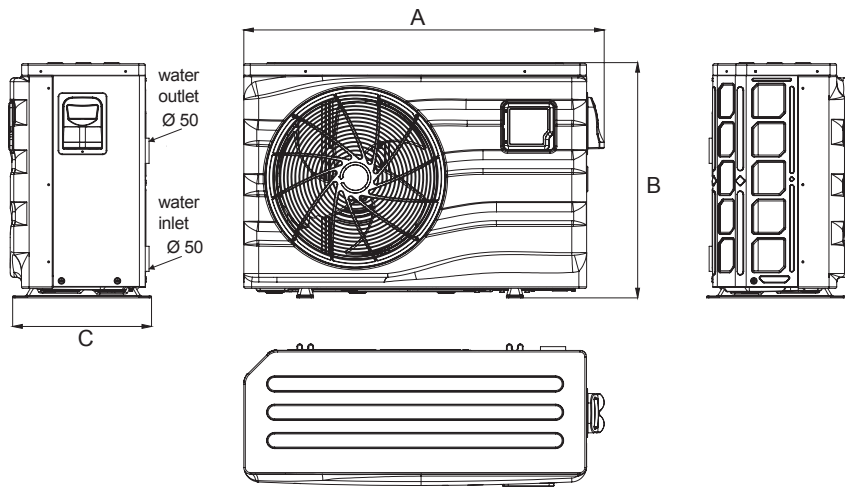
All A2B Accorroni E.G. heat pump heaters are quick and easy to install: simply connect the pool and the system, and the hot water produced will be directly delivered between the unit's inlet and outlet pipes.

For correct installation, a suitable hydraulic bypass must be provided, equipped with appropriate calibration valves as shown in the diagram above.

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SWD dimensions



SWD	28	40	60	80	80T	90T
A	880	880	1048	1165	1165	1165
B	618	618	770	1275	1275	1275
C	360	360	450	470	470	470

Values expressed in mm

SWD Technical Data Table

DESCRIPTION	U.M.	SWD 28	SWD 40	SWD 60	SWD 80	SWD 80T	SWD 90T
Recommended volume	m ³	18-35	30-60	50-90	65-120	65-120	90-170
Heating power (1)	kW	2,0-7,0	2,56-11,5	4,38-18,4	5,7-24,2	5,7-24,2	7,2-28,8
Electric consumption (1)	kW	0,25-1,21	0,3-1,9	0,52-3,17	0,46-4,8	0,46-4,8	0,54-5,05
COP (1)		8,0-5,8	8,5-6,0	8,5-5,8	12,39-5,04	12,39-5,04	13,33-5,70
Heating power (2)	kW	1,1-5,0	1,5-8,5	2,4-13,8	4,68-19,9	4,68-19,9	5,30-22,7
Electric consumption (2)	kW	0,18-1,25	0,24-1,97	0,39-3,14	0,72-4,74	0,72-4,74	0,75-4,95
COP (2)		6,0-4,0	6,2-4,3	6,1-4,5	6,5-4,2	6,5-4,2	7,04-4,59
Heating power (3)	kW	1,3-4,6	1,66-7,5	2,84-12,0	4,2-17,8	4,2-17,8	4,39-20,1
Electric consumption (3)	kW	0,26-1,28	0,33-1,97	0,56-3,8	0,75-4,4	0,75-4,4	0,85-4,69
COP (3)		5,0-3,6	5,0-3,8	5,1-3,9	5,6-4,05	5,6-4,05	5,16-4,29
Power supply		230V/1/50Hz				400V/3+N/50Hz	
Maximum current consumption	A	6,8	11,5	15,72	23,94	10,12	9,36
Operating range	°C	-2 - 40	-2 - 40	-2 - 40	-15 - 40	-15 - 40	-15 - 40
Fans	n.	1	1	1	2	2	2
Maximum fan speed	rpm	700	850	750	800	800	700
Noise level (1m)	dB(A)	38-51	42-53	44-56	46-57	46-57	48,58
Noise level (10m)	dB(A)	-	-	-	26-37	26-37	28-38
Exchanger		Titanio Classe S1					
Plumbing connections for pool outlets	mm	50	50	50	50	50	50
Water flow rate	m ³ /h	2,8	3,2	5,0	8,6	8,6	10
Pressure drops	kPa	2	3	6	11	11	15
Humidity resistance level		IPX4					
Refrigerant		R32					
Refrigerant charge	Kg	0,32	0,45	0,75	1,2	1,2	1,5
Net weight	Kg	40	46	60	114	114	120