

INVERTER POOL HEAT PUMP

INVERWATT

PREMIUM POOL HEATING SOLUTION



INVERWATT



Heat pump
Swimming pool

Features:

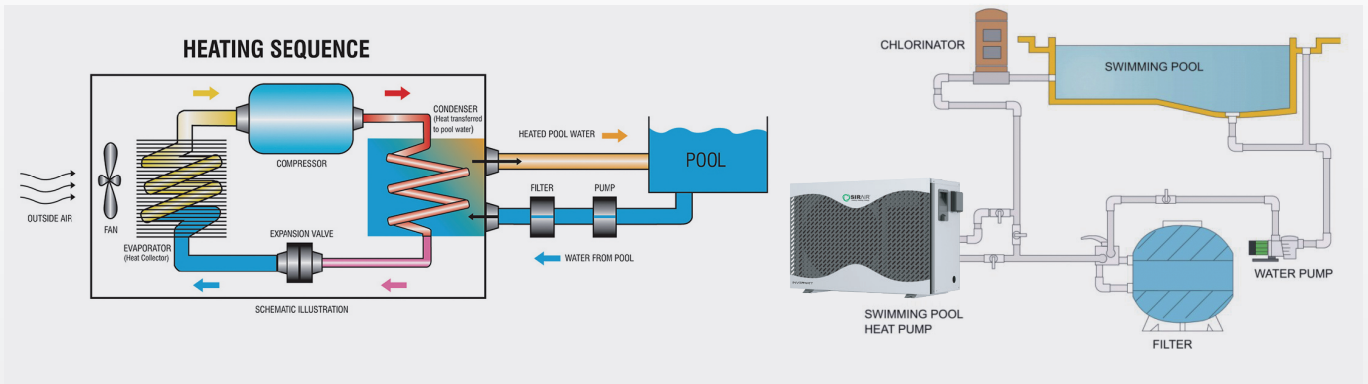
- Full inverter, higher COP, better performance.
- R410A refrigerant, environmental friendly.
- Titanium heat exchanger, corrosion resistance .
- Intelligent controller.
- WIFI function included.
- MODBUS communication.
- Heating, cooling & Auto function included.



MODBUS

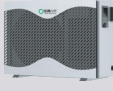

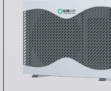
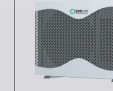
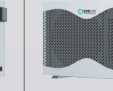
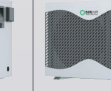
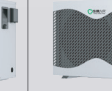


Application



Heat pump
Swimming pool

Technical Data

Photos								
Model No.	BYC-007TG1	BYC-010TG1	BYC-013TG1	BYC-017TG1	BYC-021TG1	BYC-030TG1	BYC-030TG3	
Heating Capacity at Air 26°C, Humidity 80%, Water 26°C in, 28°C out								
Heating Capacity (kW)	7.7 ~ 1.8	10 ~ 2.3	13.2 ~ 3.1	17.1 ~ 3.9	21 ~ 4.9	28.2 ~ 6.9	28.4 ~ 7.1	
Power Input (kW)	1.13 ~ 0.11	1.45 ~ 0.15	1.91 ~ 0.19	2.51 ~ 0.25	3.09 ~ 0.31	4.15 ~ 0.44	4.18 ~ 0.45	
COP	15.8 ~ 6.8	15.8 ~ 6.9	16 ~ 6.9	15.9 ~ 6.8	15.8 ~ 6.8	15.8 ~ 6.8	15.8 ~ 6.8	
Heating Capacity at Air 15°C, Humidity 70%, Water 26°C in, 28°C out								
Heating Capacity (kW)	5.7 ~ 1.3	7.9 ~ 1.8	10.1 ~ 2.3	12.8 ~ 2.9	15.9 ~ 3.6	22.1 ~ 5.0	22.1 ~ 5.0	
Power Input (kW)	1.16 ~ 0.17	1.58 ~ 0.23	2.03 ~ 0.30	2.57 ~ 0.38	3.20 ~ 0.47	4.43 ~ 0.65	4.44 ~ 0.65	
COP	7.6 ~ 4.9	7.6 ~ 4.9	7.6 ~ 4.9	7.6 ~ 4.9	7.6 ~ 4.9	7.6 ~ 4.9	7.6 ~ 4.9	
Cooling Capacity at Air 35°C, Water 29°C in, 27°C out								
Cooling Capacity (kW)	4.2 ~ 1.1	5.9 ~ 1.5	7.2 ~ 1.8	9.4 ~ 2.3	11.5 ~ 2.9	15.8 ~ 3.9	15.9 ~ 3.9	
Power Input (kW)	1.13 ~ 0.17	1.57 ~ 0.22	1.89 ~ 0.26	2.51 ~ 0.34	3.16 ~ 0.43	4.19 ~ 0.56	4.18 ~ 0.56	
EER	6.6 ~ 3.7	6.7 ~ 3.7	6.9 ~ 3.8	6.9 ~ 3.8	6.9 ~ 3.7	6.9 ~ 3.8	6.9 ~ 3.8	
Power supply	220 ~ 240V / 1/ 50 Hz						380 ~ 415V / 3/ 50 Hz	
Max Power Input (kW)	1.2	1.6	2.1	2.6	3.2	4.4	4.5	
Max Current(A)	5.5	7.3	9.6	11.9	14.5	20	8.4	
Refrigerant	R32	R32	R32	R32	R32	R32	R32	
Heat Exchanger	Titanium	Titanium	Titanium	Titanium	Titanium	Titanium	Titanium	
Air Flow Direction	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	
Water Flow Volume (m3/h)	2.5	3.5	4.5	5.5	6.5	9	9	
Automatic defrosting	by 4 way valve	by 4 way valve	by 4 way valve	by 4 way valve	by 4 way valve	by 4 way valve	by 4 way valve	
Working temp. range (°C)	-15 ~ 43	-15 ~ 43	-15 ~ 43	-15 ~ 43	-15 ~ 43	-15 ~ 43	-15 ~ 43	
Noise level 1m dB(A)	38~48	39~51	41~52	42~54	44~55	46~57	46~57	
Noise level 10m dB(A)	19~28	19~31	21~32	22~34	24~35	26~37	26~37	
Net Dimensions (mm) (L*W*H)	821*405*587		850*405*637			1036*448*739		
Package Dimensions (mm) (L*W*H)	883*435*722		912*435*777			1098*488*879		
Net Weight(kg)	42	44	53	56	60	88	88	
Gross Weight(kg)	53	55	64	67	71	99	99	
Water Proof Level	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	