SolarEast

Year-round comfort:

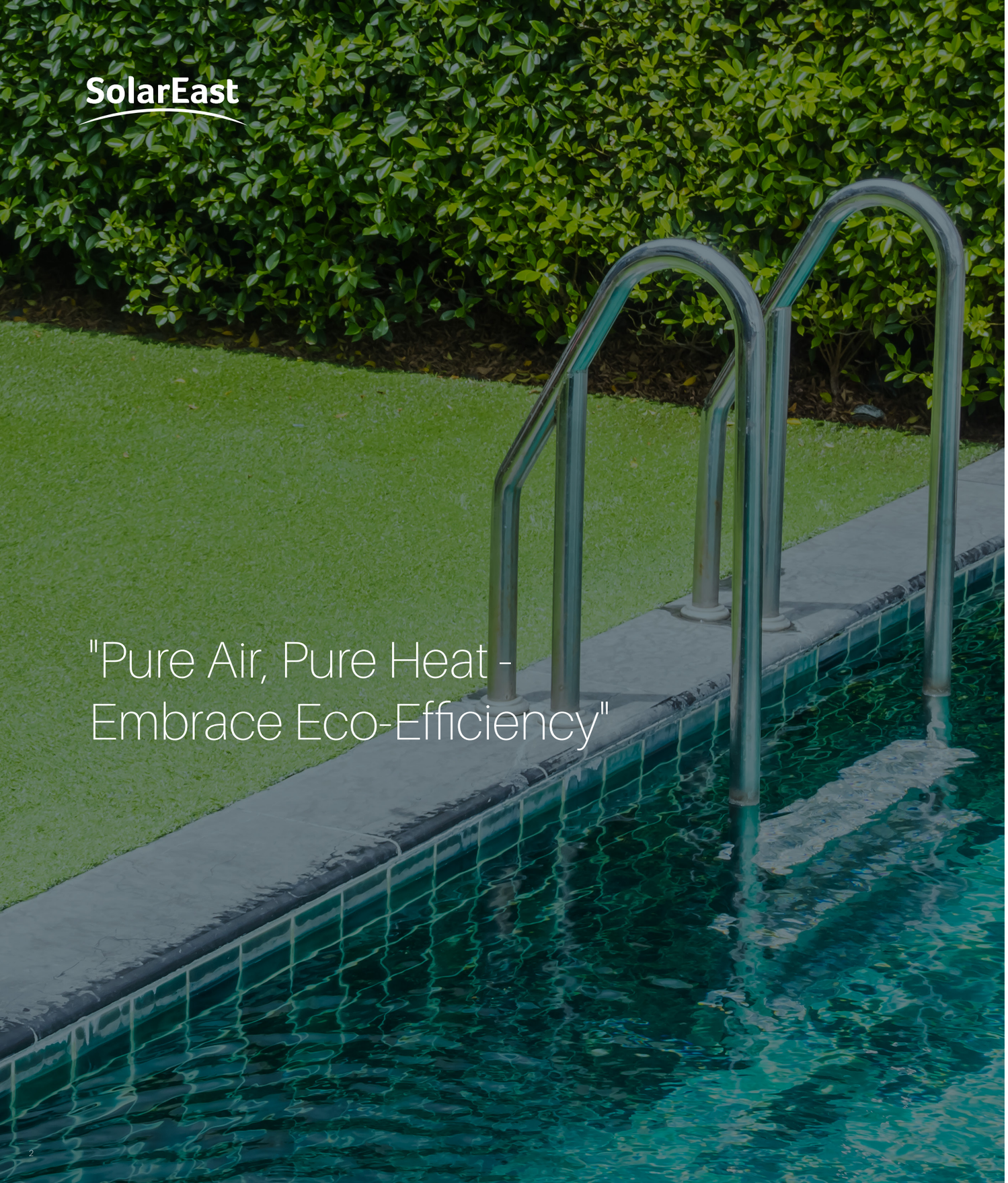
your pool, your temperature.

solareasthvac.com



Solareast Heat Pump Ltd.

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Tel: +86 757 29380616
E-mail: heatpump@solareast.com
Web: www.solareasthvac.com



Our mission:

"To contribute to a green future by pioneering energy-efficient, air source heat pump technologies that lessen our carbon footprint."

Our vision for a sustainable future drives our mission. As a heat pump factory, we harness the power of innovation to develop energy-efficient technologies that minimize carbon footprint. We strive to lead by example, fostering a culture of environmental responsibility, and creating heating solutions that make a positive and lasting impact on our planet.

For a viable future

With over a decade's experience in air source heat pump technology, Solareast Heat Pump Ltd. stands as a pioneer in providing sustainable and efficient thermal energy solutions. Our innovative approach has touched more than 25 million households and over 20,000 engineering customers across 100 countries, underlining our extensive global reach and customer-centric strategy.

Our dedication to creating sustainable heating solutions forms the core of our operations, establishing us as a dependable partner in both residential and commercial sectors. Our energy-efficient, air-source heat pumps align seamlessly with our mission to contribute to a greener future, making heating more sustainable one installation at a time.

As we journey forward, we stay anchored in our guiding principles of innovation, sustainability, and customer satisfaction. We are committed to offering world-class, eco-friendly heating solutions, promoting a sustainable lifestyle while ensuring a warm and comfortable environment for our customers. We remain dedicated to transforming the global heating landscape and creating a healthier planet for future generations.

INVER-TOP

Swimming Pool Heat Pump



Features

- Fully Inverter with R32 refrigerant
- High-end Mitsubishi compressor
- Titanium heat exchanger
- Premium touch screen display
- Heating, Cooling & Automatic mode
- Built-in WiFi function
- Top discharge air outlet
- Multi-protection for safe operation





BYC-007|010|013|017|021|030|035 TV1
BYC-030|035 TV3

T E C H N I C A L D A T A

Model	BYC-007TV1	BYC-010TV1	BYC-013TV1	BYC-017TV1	BYC-021TV1	BYC-030TV1	BYC-035TV1	BYC-030TV3	BYC-035TV3
* Heating Capacity at Air 26℃, Humidity 80%, Water 26℃ in, 28℃ out									
Heating Capacity (kW)	7.2~1.7	9.2~2.3	12.5~3.0	16.5~3.8	21~4.8	28~6.8	35~8.8	28~6.8	35~8.8
Power Input (kW)	1.06~0.11	1.35~0.15	1.84~0.19	2.43~0.24	3.09~0.30	4.12~0.43	5.15~0.56	3.97~0.43	5.15~0.56
COP	15.8~6.8	15.8~6.8	16~6.8	15.8~6.8	15.8~6.8	15.8~6.8	15.8~6.8	15.8~6.8	15.8~6.8
* Heating Capacity at Air 15℃, Humidity 70%, Water 26℃ in, 28℃ out									
Heating Capacity (kW)	5.9~1.4	7.4~1.9	9.5~2.3	13.1~3	16.5~3.8	23~5.5	25.5~6.4	23~5.5	25.5~6.4
Power Input (kW)	1.2~0.18	1.51~0.25	1.9~0.30	2.67~0.39	3.37~0.5	4.7~0.72	5.2~0.84	4.7~0.72	5.2~0.84
COP	7.6~4.9	7.6~4.9	7.6~5	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℃, Water 29℃ in, 27℃ out									
Cooling Capacity (kW)	4.2~1.0	5.3~1.3	7.2~1.7	9.4~2.1	11.6~2.7	14.9~3.8	19.3~4.9	14.9~3.8	19.3~4.9
Power Input (kW)	1.11~0.15	1.4~0.19	1.89~0.25	2.47~0.31	3.05~0.4	3.92~0.57	5.08~0.73	3.92~0.57	5.08~0.73
EER	6.6~3.8	6.7~3.8	6.7~3.8	6.7~3.8	6.7~3.8	6.7~3.8	6.7~3.8	6.7~3.8	6.7~3.8
* General data									
Power supply	220~240V/1/50Hz							380~415V/3/50Hz	
Max Power Input (kW)	1.45	1.75	2.2	2.5	3.2	4.45	6.43	4.76	6.93
Max Current (A)	7.1	8.3	10.2	11.9	14.7	20.4	30	7.9	11.3
Water Flow Volume (m^3/h)	2.5	3.5	4.5	5.5	6.5	9	12	9	12
Refrigerant	R32								
Heat Exchanger	Titanium								
Air Flow Direction	Vertical								
Automatic defrosting	by 4 way valve								
Working temp. range (℃)	-15~43								
Casing Material	ABS								
Water Proof Level	IPX4								
Noise level 1m dB(A)	39~49	40~52	42~53	43~55	45~56	47~58	49~59	47~58	49~59
Noise level 10m dB(A)	20~29	20~32	22~33	23~35	25~36	27~38	29~39	27~38	29~39
Net Weight (kg)	44	46	55	57	61	86	92	86	92
Gross Weight (kg)	55	57	68	70	72	96	104	96	104
Net Dimensions (mm)	530*530*640	530*530*640	650*650*770	650*650*770	650*650*770	715*715*955	715*715*955	715*715*955	715*715*955
Package Dimensions (mm)	560*600*780	560*600*780	680*720*910	680*720*910	680*720*910	765*785*1080	765*785*1080	765*785*1080	765*785*1080

* Please refer to the nameplate for product upgrades or changes in specifications without prior notice.

INVER-PREMIUM

Swimming Pool Heat Pump



Features

- Crosstalk touch & Funny play
- Fully Inverter with R32 refrigerant
- WiFi with smart functions
- Ultra-quiet operation design
- Innovative and streamlined appearance
- Back inlet air flow and side discharge
- Patented design with Integrated lighting





BYC-007|010|013|017|021|025 TH1
BYC-025 TH3

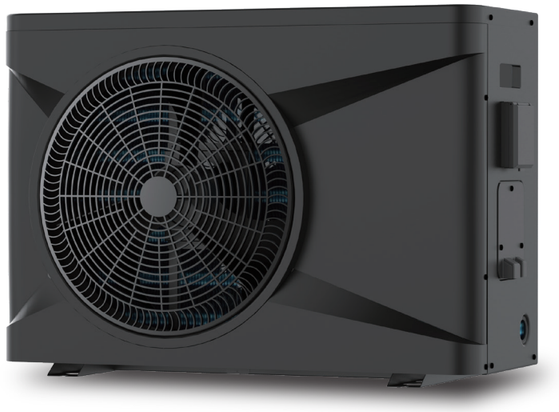
T E C H N I C A L D A T A

Model	BYC-007TH1	BYC-010TH1	BYC-013TH1	BYC-017TH1	BYC-021TH1	BYC-025TH1	BYC-025TH3
* Heating Capacity at Air 26℃, Humidity 80%, Water 26℃ in, 28℃ out							
Heating Capacity (kW)	7.0~1.7	9~2.3	12.5~3.0	16.5~3.8	20.5~4.8	25~6.8	25~6.8
Power Input (kW)	1.04~0.12	1.34~0.16	1.84~0.21	2.46~0.25	3.06~0.32	3.73~0.44	3.73~0.44
COP	14.5~6.7	14.3~6.7	14.5~6.8	15~6.7	15~6.7	15.5~6.7	15.5~6.7
* Heating Capacity at Air 15℃, Humidity 70%, Water 26℃ in, 28℃ out							
Heating Capacity (kW)	5.3~1.3	6.8~1.7	9.3~2.2	12.3~2.8	15.0~3.5	19.0~4.9	19.0~4.9
Power Input (kW)	1.06~0.17	1.39~0.23	1.86~0.29	2.51~0.37	3.06~0.47	3.88~0.65	3.88~0.65
COP	7.5~5.0	7.5~4.9	7.5~5.0	7.5~4.9	7.5~4.9	7.5~4.9	7.5~4.9
* Cooling Capacity at Air 35℃, Water 29℃ in, 27℃ out							
Cooling Capacity (kW)	3.7~1.0	4.9~1.4	6.5~1.8	8.2~2.3	10.2~2.8	12.5~3.8	12.5~3.8
Power Input (kW)	1.0~0.15	1.32~0.21	1.76~0.27	2.22~0.35	2.76~0.42	3.38~0.58	3.38~0.58
EER	6.6~3.7	6.6~3.7	6.6~3.7	6.6~3.7	6.6~3.7	6.6~3.7	6.6~3.7
* General data							
Power supply	220~240V/1/50Hz						380~415V/3/50Hz
Max Power Input (kW)	1.4	1.7	2.1	2.5	3.1	4.3	4.3
Max Current (A)	6.6	8.1	10	11.9	14.7	20.5	7.2
Water Flow Volume (m^3/h)	2.5	3.5	4.5	5.5	6.5	9	9
Refrigerant	R32						
Heat Exchanger	Titanium						
Air Flow Direction	Horizontal						
Automatic defrosting	by 4 way valve						
Working temp. range (℃)	-15~43						
Casing Material	Aluminum alloy & Metal						
Water Proof Level	IPX4						
Noise level 1m dB(A)	37~46	38~47	40~49	41~51	41~52	42~52	42~52
Noise level 10m dB(A)	18~27	19~28	20~29	21~31	21~32	23~33	23~33
Net Weight (kg)	46	48	55	63	68	88	88
Gross Weight (kg)	56	58	65	73	78	98	98
Net Dimensions (mm)	870*420*640	870*420*640	870*420*640	1050*420*690	1050*420*690	1050*420*900	1050*420*900
Package Dimensions (mm)	930*470*760	930*470*760	930*470*760	1110*470*810	1110*470*810	1110*470*1020	1110*470*1020

* Please refer to the nameplate for product upgrades or changes in specifications without prior notice.

INVER-SPARK

Swimming Pool Heat Pump



Features

- Full Inverter with R32 refrigerant
- High-end Mitsubishi compressor
- DC Inverter fan motor
- High efficiency COP up to 16
- Quiet running experience
- Built in WiFi function
- Hot gas defrosting
- Precise gas control with EEV





BYC-007|010|013|017|021|030|035 TD1
BYC-030|035 TD3

T E C H N I C A L D A T A

Model	BYC-007TD1	BYC-010TD1	BYC-013TD1	BYC-017TD1	BYC-021TD1	BYC-030TD1	BYC-035TD1	BYC-030TD3	BYC-035TD3
* Heating Capacity at Air 26℃, Humidity 80%, Water 26℃ in, 28℃ out									
Heating Capacity (kW)	7.6~1.7	9.5~2.3	13~3.0	17~3.8	21~4.8	28~6.8	35~8.8	28~6.8	35~8.8
Power Input (kW)	1.12~0.11	1.40~0.15	1.91~0.19	2.5~0.24	3.09~0.30	4.12~0.43	5.15~0.56	3.97~0.43	5.15~0.56
COP	15.8~6.8	15.8~6.8	16~6.8	15.8~6.8	15.8~6.8	15.8~6.8	15.8~6.8	15.8~6.8	15.8~6.8
* Heating Capacity at Air 15℃, Humidity 70%, Water 26℃ in, 28℃ out									
Heating Capacity (kW)	6.1~1.4	7.6~1.9	9.8~2.3	13.5~3	16.5~3.8	23~5.5	25.5~6.4	23~5.5	25.5~6.4
Power Input (kW)	1.24~0.18	1.55~0.25	1.96~0.30	2.76~0.39	3.37~0.5	4.7~0.72	5.2~0.84	4.7~0.72	5.2~0.84
COP	7.6~4.9	7.6~4.9	7.6~5	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℃, Water 29℃ in, 27℃ out									
Cooling Capacity (kW)	4.2~1.0	5.3~1.3	7.2~1.7	9.4~2.1	11.6~2.7	14.9~3.8	19.3~4.9	14.9~3.8	19.3~4.9
Power Input (kW)	1.11~0.15	1.4~0.19	1.89~0.25	2.47~0.31	3.05~0.4	3.92~0.57	5.08~0.73	3.92~0.57	5.08~0.73
EER	6.6~3.8	6.7~3.8	6.7~3.8	6.7~3.8	6.7~3.8	6.7~3.8	6.7~3.8	6.7~3.8	6.7~3.8
* General data									
Power supply	220~240V/1/50Hz							380~415V/3/50Hz	
Max Power Input (kW)	1.55	1.78	2.2	2.6	3.2	4.45	4.76	6.43	6.93
Max Current (A)	7.3	8.3	10.2	12	14.7	20.4	30	7.9	11.3
Water Flow Volume (m^3/h)	2.5	3.5	4.5	5.5	6.5	9	12	9	12
Refrigerant	R32								
Heat Exchanger	Titanium								
Air Flow Direction	Horizontal								
Automatic defrosting	by 4 way valve								
Working temp. range (℃)	-15~43								
Casing Material	ABS								
Water Proof Level	IPX4								
Noise level 1m dB(A)	39~49	40~52	42~53	43~55	45~56	47~58	49~59	47~58	49~59
Noise level 10m dB(A)	20~29	20~32	22~33	23~35	25~36	27~38	29~39	27~38	29~39
Net Weight (kg)	42	43	53	54	58	88	98	88	98
Gross Weight (kg)	53	54	64	65	69	99	110	99	110
Net Dimensions (mm)	864*349*592	864*349*592	925*364*642	925*364*642	925*364*642	1084*399*737	1084*399*737	1084*399*737	1084*399*737
Package Dimensions (mm)	930*400*640	930*400*640	990*435*760	990*435*760	990*435*760	1146*460*862	1146*460*862	1146*460*862	1146*460*862

* Please refer to the nameplate for product upgrades or changes in specifications without prior notice.

INVER-NOVA

Swimming Pool Heat Pump



Features

- Full inverter, higher COP, better performance
- R32 refrigerant, environmental friendly
- Titanium heat exchanger, corrosion ressistance
- Intelligent controller
- WIFI function included
- MODBUS communication
- Heating, cooling & Auto function included





BYC-007|010|013|017|021|030 TG1
BYC-030 TG3

T E C H N I C A L D A T A

Model	BYC-007TG1	BYC-010TG1	BYC-013TG1	BYC-017TG1	BYC-021TG1	BYC-030TG1	BYC-030TG3
Heating Capacity at Air 26℃, Humidity 80%, Water 26℃ in, 28℃ 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℃, Humidity 70%, Water 26℃ in, 28℃ 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			
Cooling Capacity at Air 35℃, Water 29℃ in, 27℃ 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			
Heat Exchanger				Titanium			
Air Flow Direction				Horizontal			
Water Flow Volume (m^3/h)	2.5	3.5	4.5	5.5	6.5	9	9
Automatic defrosting				by 4 way valve			
Working temp. range (℃)				-15 ~ 43			
Water Proof Level				IPX4			
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 Weight (kg)	42	44	53	56	60	88	88
Gross Weight (kg)	53	55	64	67	71	99	99
Net Dimensions (mm)	821*405*587	821*405*587	850*405*637	850*405*637	850*405*637	1036*448*739	1036*448*739
Package Dimensions (mm)	883*435*722	883*435*722	912*435*777	912*435*777	912*435*777	1098*488*879	1098*488*879

* Please refer to the nameplate for product upgrades or changes in specifications without prior notice.

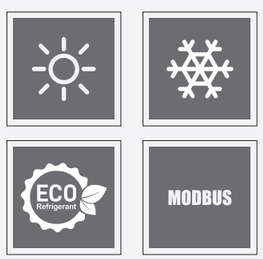
TRADITIONAL ABS

Swimming Pool Heat Pump



Features

- R410A refrigerant, environmental friendly
- Titanium heat exchanger, corrosion resistance
- High pressure protection
- Defrost automatically
- With water flow switch
- MODBUS communication
- Full automatically operation
- The heat pump can heat and cool the pool water
- ABS plastic outer shell, corrosion resistance





YC-007|010|012|015|019 TB1

T E C H N I C A L D A T A

Model	YC-007TB1	YC-010TB1	YC-012TB1	YC-015TB1	YC-019TB1
Heating Capacity at Air 27℃/24℃, Water 27℃ in, 29℃ out					
Heating Capacity (kW)	7.2	10.0	12.5	15.0	18.8
Power Input (kW)	1.19	1.63	2.05	2.45	3.13
COP	6.05	6.13	6.10	6.12	6.01
Heating Capacity at Air 15℃/12℃, Water 26℃ in, 28℃ out					
Heating Capacity (kW)	5.1	7.2	9.5	12.5	15.5
Power Input (kW)	1.00	1.40	1.86	2.44	3.06
COP	5.10	5.14	5.11	5.12	5.06
Cooling Capacity at Air 35℃/24℃, Water 29℃ in, 27℃ out					
Cooling Capacity (kW)	4.5	6.5	8.5	11.2	14.0
Power Input (kW)	1.30	1.80	2.39	3.22	4.11
EER	3.46	3.62	3.56	3.48	3.41
Power supply	220~240V/1/50Hz				
Max Power Input (kW)	1.8	2.5	3	3.6	4.7
Max Current (A)	9.1	12.6	15.2	18.2	24.5
Refrigerant	R410A				
Heat Exchanger	Titanium				
Air Flow Direction	Horizontal				
Water Flow Volume (m^3/h)	3	4	5	6.5	8
Automatic defrosting	by 4 way valve				
Working temperature range (℃)	15 ~ 43				
Noise level dB(A)	≤ 48	≤ 48	≤ 49	≤ 51	≤ 51
Casing Material	ABS plastic				
Net Weight (kg)	46	51	58	72	85
Gross Weight (kg)	59	65	73	88	102
Net Dimensions (L*W *H)(mm)	972*430*653	972*430*653	972*430*653	1083*448*704	1083*448*704
Package Dimensions (L*W*H)(mm)	1022*460*788	1022*460*788	1022*460*788	1130*460*830	1130*460*830

* Please refer to the nameplate for product upgrades or changes in specifications without prior notice.

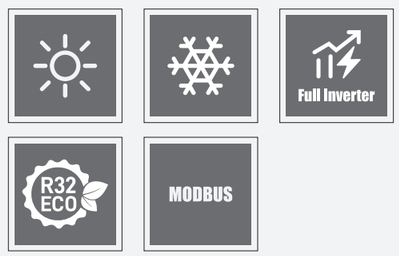
INVER-WAVE

Swimming Pool Heat Pump



Features

- Full inverter, higher COP, better performance
- R32 refrigerant, environmental friendly
- Titanium heat exchanger, corrosion ressistance
- Intelligent controller
- WIFI function included
- MODBUS communication
- Heating, cooling & Auto function included





BYC-007|010|013|017|021|025 TB1

T E C H N I C A L D A T A

Model	BYC-007TB1	BYC-010TB1	BYC-013TB1	BYC-017TB1	BYC-021TB1	BYC-025TB1
Heating Capacity at Air 26℃, Humidity 80%, Water 26℃ in, 28℃ out						
Heating Capacity (kW)	7.8 ~ 1.8	9.8~2.3	12.6~3.0	16.5~3.8	20.5~4.7	25.5~6.4
Power Input (kW)	1.15 ~ 0.11	1.42~0.14	1.83~0.19	2.39~0.24	2.97~0.30	3.70~0.40
COP	15.8 ~ 6.8	15.8~6.9	15.9~6.9	15.9~6.9	15.8~6.9	15.9~6.9
Heating Capacity at Air 15℃, Humidity 70%, Water 26℃ in, 28℃ out						
Heating Capacity (kW)	6.2 ~ 1.4	7.7~1.8	9.8~2.3	12.2~2.7	15.1~3.5	20.2~4.9
Power Input (kW)	1.27 ~ 0.18	1.57~0.24	1.99~0.30	2.49~0.36	3.08~0.47	4.12~0.64
COP			7.6~4.9			
Cooling Capacity at Air 35℃, Water 29℃ in, 27℃ out						
Cooling Capacity (kW)	4.3 ~ 1.1	5.5~1.4	7.3~1.7	9.1~2.2	11.2~2.5	14.5~3.2
Power Input (kW)	1.13 ~ 0.16	1.45~0.21	1.87~0.25	2.33~0.33	2.95~0.37	3.72~0.48
EER	6.7 ~ 3.8	6.7~3.8	6.7~3.9	6.7~3.9	6.7~3.8	6.7~3.9
Power supply			220 ~ 240V / 1/ 50 Hz			
Max Power Input (kW)	1.3	1.6	2	2.5	3.1	4.2
Max Current (A)	5.9	7.3	9.1	11.4	14.1	19
Refrigerant			R32			
Heat Exchanger			Titanium			
Air Flow Direction			Horizontal			
Water Flow Volume (m^3/h)	2.5	3.5	4.5	5.5	6.5	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
Working temperature range (℃)	-15 ~ 43	-15 ~ 43	-15 ~ 43	-15 ~ 43	-15 ~ 43	-15 ~ 43
Noise level 1m dB(A)	39~49	40~49	42~50	42~50	44~51	45~53
Noise level 10m dB(A)	20~29	20~32	22~33	23~35	25~36	27~38
Casing Material			ABS plastic			
Net Weight (kg)	44	46	55	56	60	92
Gross Weight (kg)	55	57	66	67	72	105
Net Dimensions (L*W *H) (mm)	850*360*590	850*360*590	972*430*653	972*430*653	972*430*653	1083*448*704
Package Dimensions (L*W*H)(mm)	920*440*770	920*440*770	1022*460*788	1022*460*788	1022*460*788	1130*460*830

* Please refer to the nameplate for product upgrades or changes in specifications without prior notice.

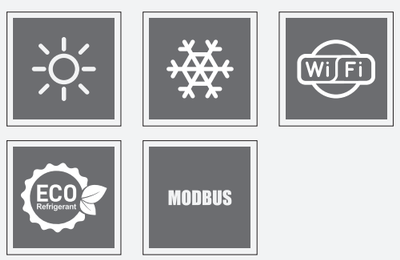
TRADITIONAL METAL

Swimming Pool Heat Pump



Features

- R410A refrigerant, environmental friendly
- Titanium heat ex-changer, corrosion resistance
- High pressure protection
- Defrost automatically
- With water flow switch
- MODBUS communication
- Full automatically operation
- The heat pump can heat and cool the swimming pool





YC-005|006|008|012|016|030 TA1

T E C H N I C A L D A T A

Model	YC-005TA1	YC-006TA1	YC-008TA1	YC-012TA1	YC-016TA1	YC-030TA1
Power Supply	220~240V/1/50Hz					380~415V/3/50Hz
Heating Capacity at Air 27°C/24°C, Water 27°C in, 29°C out						
Heating Capacity (kW)	5.0	7.2	9.5	13.0	16.1	30.0
Power Input (kW)	0.86	1.24	1.62	2.25	2.75	4.95
COP	5.84	5.81	5.88	5.79	5.85	6.06
Heating Capacity at Air 15°C/12°C, Water 26°C in, 28°C out						
Heating Capacity (kW)	3.6	5.5	7.0	10.0	12.5	23.5
Power Input (kW)	0.73	1.12	1.41	2.05	2.54	4.69
COP	4.94	4.92	4.95	4.88	4.93	5.01
Cooling Capacity at Air 35°C/24°C, Water 29°C in, 27°C out						
Cooling Capacity (kW)	3.2	5.1	6.5	9.2	11.3	20.0
Power Input (kW)	0.94	1.51	1.90	2.69	3.36	5.78
EER	3.41	3.38	3.43	3.42	3.36	3.46
Max Power Input (kW)	1.16	1.68	2.24	3.24	3.72	6.35
Max Current(A)	5.8	8.5	11.3	16.4	18.8	11.4
Refrigerant	R410A					
Heat Exchanger	Titanium					
Air Flow Direction	Horizotal					
Working temperature range (°C)	-15 ~ 43					
Water connection(mm)	50					
Water Flow Volume (m^3/h)	2.0	3.0	3.5	5.5	6.0	12.0
Noise (dB(A))	48	48	50	52	52	54
Net Weight (kg)	42	46	58	72	85	135
Gross Weight (kg)	48	52	65	87	100	153
Net Dimensions(L*W*H)(mm)	936*385*550	936*385*550	1011*420*614	986*420*798	986*420*798	1003*374*1318
Package Dimensions(L*W*H)(mm)	1055*460*620	1055*460*620	1110*480*670	1115*490*930	1115*490*930	1090*460*1474

* Please refer to the nameplate for product upgrades or changes in specifications without prior notice.

MINI HEATER

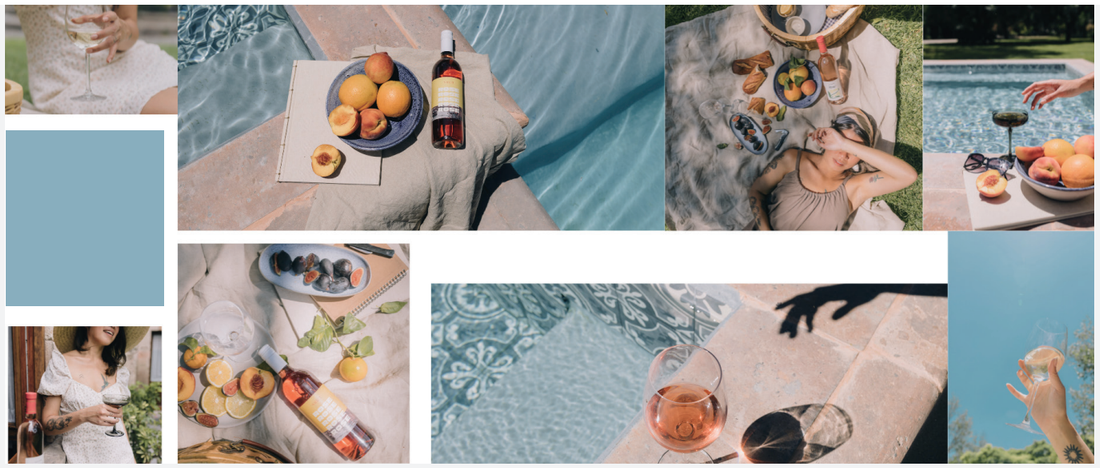
Swimming Pool Heat Pump



Features

- R32 new refrigerant
- True Mini. 900+ Pcs for 40HC
- COP up to 5.2
- Removable 38/32mm connection
- Water flow switch available
- 3/4/5kW available





YC-003|004|005 TB1

T E C H N I C A L D A T A

Model	YC-003TB1	YC-004TB1	YC-005TB1
* Heating Capacity at Air 26℃, Humidity 80%, Water 26℃ in, 28℃ out			
Heating Capacity (kW)	3.00	4.00	5.00
Power Input (kW)	0.58	0.77	0.97
COP	5.17	5.20	5.17
* Heating Capacity at Air 15℃, Humidity 70%, Water 26℃ in, 28℃ out			
Heating Capacity (kW)	2.30	2.90	3.85
Power Input (kW)	0.55	0.69	0.92
COP	4.18	4.20	4.18
* General data			
Power supply		220~240V/1/50Hz	
Max Power Input (kW)	0.70	0.90	1.14
Max Current (A)	3.2	4.8	5.8
Water Flow Volume (m^3/h)	1.5	2.0	2.5
Advised pool size (m^3)	0~10	5~16	8~20
Refrigerant		R32	
Water connection (mm)		32 Or 38	
Heat Exchanger		Titanium	
Air Flow Direction		Horizontal	
Working temp. range (℃)		12~43	
Casing Material		ABS+Metal	
Noise level dB(A)	45	46	48
Net Weight (kg)	18	22	26
Gross Weight (kg)	20	24	30
Net Dimensions (mm)	380*290*370	380*290*370	420*365*440
Package Dimensions (mm)	440*355*400	440*355*400	480*435*490

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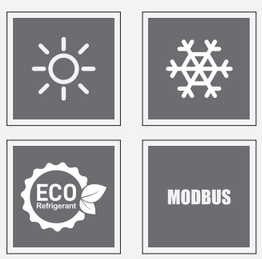
COMMERCIAL MAX

Swimming Pool Heat Pump



Features

- R410A refrigerant, environmental friendly
- Higher water temperature output up to 40ºC
- Titanium heat exchanger, corrosion resistance
- High pressure protection
- Defrost automatically
- With MODBUS communication
- Full automatically operation





YC-025|050|075|120|170|220 TA1

T E C H N I C A L D A T A

Model	YC-025TA1	YC-050TA1	YC-075TA1	YC-120TA1	YC-170TA1	YC-220TA1
Power Supply			380~415V/3/50Hz			
Heating Capacity at Air 27℃/24℃, Water 27℃ in, 29℃ out						
Heating Capacity (kW)	25	50	70	120	170	220
Power Input (kW)	4.2	8.4	11.7	20.1	28.6	37.6
COP	5.91	5.95	5.96	5.98	5.95	5.85
Heating Capacity at Air 15℃/12℃, Water 26℃ in, 28℃ out						
Heating Capacity (kW)	20	42	60	100	140	185
Power Input (kW)	4.1	8.6	12.3	20.4	28.9	38.6
COP	4.86	4.88	4.89	4.89	4.85	4.79
Cooling Capacity at Air 35℃/24℃, Water 29℃ in, 27℃ out						
Cooling Capacity (kW)	18	36	55	85	120	160
Power Input (kW)	5.3	10.5	15.9	24.6	35.2	47.6
EER	3.39	3.42	3.45	3.45	3.41	3.36
Max Power Input (kW)	6.9	13.2	20.1	29.1	48.5	67.2
Max Current (A)	12.3	23.5	35.9	52.2	87.0	121.1
Refrigerant			R410A			
Heat Exchanger			Titanium			
Expansion Valve			Electronic			
Air Flow Direction			Vertical			
Working temperature range (℃)			-15 ~ 43			
Water connection(mm)	50	65	65	75	90	110
Water Flow Volume (m^3/h)	10	20	30	50	70	85
Noise (dB(A))	≤57	≤59	≤62	≤66	≤66	≤70
Net Weight (kg)	120	250	450	760	900	1200
Net Dimensions(L*W*H) (mm)	765*691*1055	1416*752*1055	1250*1076*1870	2150*1078*2258	2150*1078*2258	2150*1078*2258

* Please refer to the nameplate for product upgrades or changes in specifications without prior notice.

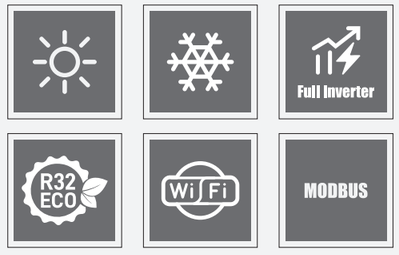
INVER-MAX

Swimming Pool Heat Pump



Features

- Full inverter, higher COP, better performance
- R32 refrigerant, environmental friendly
- Titanium heat exchanger, corrosion ressistance
- Touch-screen controller, easy operation
- WIFI function included
- MODBUS communication
- Heating, cooling & Auto function included





BYC-070|103|136 TA1

T E C H N I C A L D A T A

Model	BYC-070TA1	BYC-103TA1	BYC-136TA1
Power Supply		380~415V/3/50Hz	
Heating Capacity at Air 26℃, Water 26℃, Humidity 80%			
Heating Capacity (kW)	70 ~ 16.5	103 ~ 24.8	136 ~ 32.4
Power Input (kW)	10.03 ~ 1.02	14.80 ~ 1.54	19.46 ~ 2.01
COP	16.11 ~ 6.98	16.09 ~ 6.96	16.15 ~ 6.99
Heating Capacity at Air 15℃, Water 26℃, Humidity 70%			
Heating Capacity (kW)	51 ~ 12.1	76 ~ 18.3	101 ~ 23.9
Power Input (kW)	10.24 ~ 1.6	15.29 ~ 2.42	20.24 ~ 3.15
COP	7.56 ~ 4.98	7.55 ~ 4.97	7.59 ~ 4.99
Cooling Capacity at Air 35℃, Water 27℃			
Cooling Capacity (kW)	38 ~ 9.1	58 ~ 14.1	76 ~ 18.5
Power Input (kW)	10.41 ~ 1.36	15.89 ~ 2.11	20.65 ~ 2.74
EER	6.69 ~ 3.65	6.68 ~ 3.65	6.74 ~ 3.68
Rated Power Input (kW)	10.0	15.0	20.0
Rated Current (A)	18	27	36
Max Power Input (kW)	15.0	22.0	30.0
Max Current (A)	26	38	54
Refrigerant		R32	
Compressor Type		Mitsubishi inverter	
Heat Exchanger		Titanium	
Expansion Valve		Electronic EEV	
Air Flow Direction		Vertical	
Water Flow Volume (m^3/h)	20	30	40
Water connection (mm)	63	63	75
Working temperature range (℃)		-15 ~ 43	
Heating temperature range (℃)		15 ~ 40	
Cooling temperature range (℃)		8~28	
Noise (dB(A))	≤59	≤62	≤65
Net Weight (kg)	280	420	750
Gross Weight (kg)	320	460	810
Net Dimensions (L*W*H)(mm)	1416*752*1055	1250*1080*1870	2150*1080*2180
Package Dimensions (L*W*H)(mm)	1580*880*1150	1300*1100*1950	2230*1120*2200

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