

2025 HEAT PUMP
PRODUCT CATALOGUE

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SOLAREAST HEAT PUMPS

About SolarEast

SolarEast, established in 1999 and listed on the Shanghai Stock Exchange (603366.SS),is a global leader in the solar thermal and new energy industries, ranking among the top 500 global new energy enterprises. With five production bases across China, the company is dedicated to its vision of "**GREEN WORLD· SMART LIFE**".

Solareast Heat Pump Ltd, a core subsidiary, specializes in air-to-water heat pumps, providing energy-efficient and sustainable heating solutions for residential, commercial, and industrial markets worldwide.

5
Production Bases

26
Years' Experience

6,000+
Employees

1,000+
Patents



SOLAREAST HEAT PUMPS

Milestone

1999



Company founded

2003



Start overseas business

2009



1st 1M units annual sales in the industry

2012



1st IPO in Shanghai 603366 in the industry



Shunde heat pump factory established

2013



Start water purification business

2016



Start kitchen and water heating business

2017



Tibet Factory established

2020



Start photovoltaic business

2021



Lianyungang air-source heat pump factory established

2022



Start energy storage business

2023



Launch sustainable solution —Zero Carbon House

2024



Complete a low -carbon intelligent park

SOLAREAST HEAT PUMPS

Global Presence

- Founded in **2012**,providing advanced heat pump solutions in **50+ countries**.
- Certified for global standards: **CE, MCS, ErP, SG Ready, Keymark**, and more.
- Trusted by leading partners: **Grundfos, Mitsubishi Electric, Danfoss, Panasonic, Wilo**, and others.

Production Base



Lianyungang Production Base

Solar heater production base
Water Purifier production base
Heat pump production base



Yuyao Production Base

Kitchen appliance production base
Electric water heater production base



Luoyang Production Base

Solar heater production base



Tibet Production Base

Large flat plate solar thermal collector production base



Solareast Heat Pump Ltd.

Heat pump production base

Solareast Heat Pump Ltd. specializes in the development and production of air source heat pumps, operating a state-of-the-art production base with advanced testing facilities capable of handling extreme conditions.Our products are internationally certified, including ISO9001, ISO14001, CE, ErP, as well as
European certifications such as BAFA and MCS. Trusted globally, we deliver efficient and sustainable thermal energy solutions, driving innovation for a greener future.

Research Oriented

Heat Pump Laboratory

Over $3 Million Investment
Advanced testing capabilities.

Temperature Range: -30°C to 52°C
Ensuring product reliability in extreme climates.

24/7 Data Monitoring
Real-time performance tracking.

Eight Specialized Labs
Including Enthalpy Difference and Environmental Simulation Labs.

TÜV SÜD & Intertek Certified
Meets international quality standards.



1,000+ Patents, Leading Innovation

With a focus on innovation, we hold over 1,000 patents, demonstrating our expertise in delivering sustainable and efficient thermal energy solutions to meet global demands.



Advanced Technologies

High-Efficiency Inverter Compressor

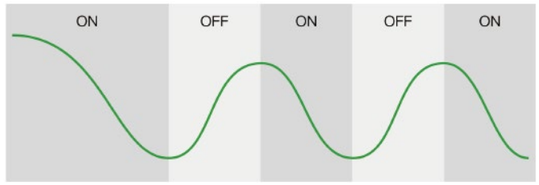
The heart of our system, the advanced inverter compressor, dynamically adjusts performance to meet varying demands. This not only ensures superior energy efficiency but also delivers precise temperature control for a seamless indoor experience.



DC Fan Motor with Intelligent Control

The DC fan motor integrates seamlessly with inverter technology to optimize airflow and system efficiency. It enhances temperature stability, operates quietly, and significantly reduces power consumption, ensuring reliable performance.



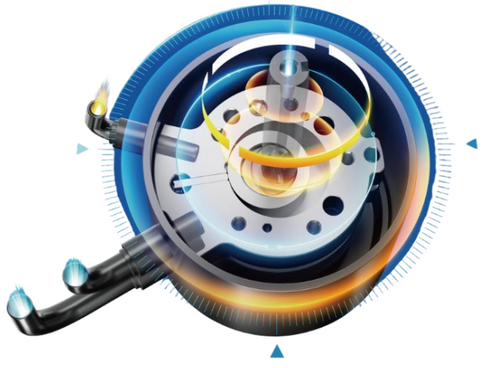


Intelligent Variable Speed Technology

Powered by advanced algorithms, our system continuously adapts compressor speed based on real-time demand. This intelligent control minimizes energy waste, extends system lifespan, and ensures efficient operation under varying conditions.

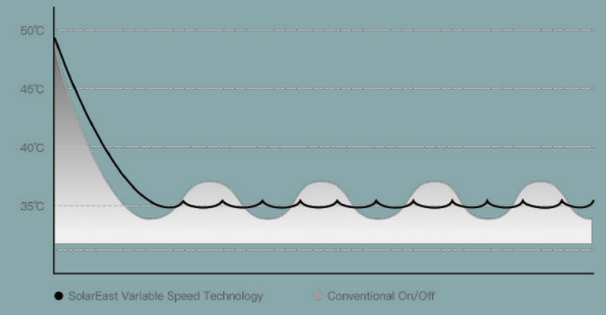
Twin Rotary Compressor for Stability

The twin rotary compressor is engineered to reduce vibration and noise while maintaining high-performance standards. Its optimized design enhances reliability, making it ideal for both residential and commercial applications.



Precision Temperature Stability

With next-gen control technology, our system eliminates drastic temperature fluctuations, maintaining a consistent and comfortable indoor climate. Avoiding frequent on/off cycling enhances user comfort while optimizing energy efficiency.



TOP INLET AND TOP OUTLET

For Heat Pump Water Heater



Features

- R290 / R134a refrigerant,environmental friendly
- WIFI smart control
- Microchannel heat exchanger
- Higher water temperature output up to 75ºC

YT-200|300 TA1|2 YT-200|300 TB1|2

YT-200|250 TD1|2

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

R290

Model	YT-200TA2	YT-300TA2	YT-200TB2	YT-300TB2	YT-200TD2	YT-250TD2
Power Supply			220~240V/1/50Hz			
Rated Heating Capacity (kW)	2.8	2.8	2.8	2.8	2.8	2.8
Refrigerant			R290			
Tapping Cycle	L	XL	L	XL	L	XL
Energy Efficient Class	A+	A+	A+	A+	A+	A+
Energy Efficient ηwh (%)	145.7	147.6	145.7	147.6	145.7	147.6
**COP (EN16147)	3.677	3.691	3.677	3.691	3.677	3.691
Tank Capacity (L)	200	300	200	300	200	250
Air Flow (m^3/h)			450			
Air Discharge			Vertical			
Air Duct Diameter (mm)			φ150			
Auxiliary electric heater(kW)			2			
Default Water Temperature(℃)			60			
Working Temperature Range(℃)			-7℃-43			
Unpacked Dimension (mm)	Φ620*1650	Φ620*2050	Φ620*1650	Φ620*2050	Φ620*1650	Φ620*2050
Packed Dimension (L*W*H)(mm)	700*700*1755	700*700*2155	700*700*1755	700*700*2155	700*700*1755	700*700*2155
Net Weight(kg)	95	115	98	117	100	119
Gross Weight(kg)	113	135	116	137	118	139
Noise (dB(A))			48			

R134a

Model	YT-200TA1	YT-300TA1	YT-200TB1	YT-300TB1	YT-200TD1	YT-250TD1
Power Supply			220~240V/1/50Hz			
Rated Heating Capacity (kW)	2.4	2.4	2.4	2.4	2.4	2.4
Refrigerant			R134a			
Tapping Cycle	L	XL	L	XL	L	XL
Energy Efficient Class	A+	A+	A+	A+	A+	A+
Energy Efficient ηwh (%)	148.9	142.0	148.9	142.0	148.9	142.0
**COP (EN16147)	3.48	3.52	3.48	3.52	3.48	3.52
Tank Capacity (L)	200	300	200	300	200	250
Air Flow (m^3/h)			450			
Air Discharge			Vertical			
Air Duct Diameter (mm)			φ150			
Auxiliary electric heater(kW)			2			
Default Water Temperature(℃)			55			
Working Temperature Range(℃)			-7-43			
Unpacked Dimension (mm)	Φ620*1650	Φ620*2050	Φ620*1672	Φ620*2050	Φ620*1650	Φ620*2050
Packed Dimension (L*W*H)(mm)	700*700*1755	700*700*2155	700*700*1790	700*700*2155	700*700*1755	700*700*2155
Net Weight(kg)	95	115	110	117	100	119
Gross Weight(kg)	113	135	125	137	118	139
Noise (dB(A))			48			

** Above results are tested at ambient temperature DB20℃/WB15℃, water temperature in 10℃/out 55℃ according to EN16147:2017
* Please refer to the nameplate for product upgrades or changes in specifications without prior notice.

SIDE INLET AND SIDE OUTLET

Heat Pump Water Heater





Features

- Square and uniform design
- IPX4 class, ideal for outdoor application
- Axial ventilation design for higher efficiency
- Microchannel heat exchanger with excellent efficiency
- R290 / R134a optional
- WIFI smart control



YT-200|250 TC2 YT-150|200|250 TC1

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

Model	YT-200TC2	YT-250TC2	YT-150TC1	YT-200TC1	YT-250TC1
Refrigerant	R290	R290	R134a	R134a	R134a
Power Supply	220 ~ 240V/1/50Hz				
Heating Capacity at Air 20°C/15°C, Water Temperature from 15°C to 55°C					
Rated Heating Capacity (kW)	2.9	2.9	2.4	2.4	2.4
Rated Input Power (kW)	0.7	0.7	0.57	0.57	0.57
COP	4.3	4.3	4.1	4.1	4.1
Max Current (A)	16.0	16.0	15.0	15.0	15.0
Tank Capacity (L)	200	250	150	200	250
Outer Casing / Shape	Full colour painted casing / Square				
Expansion Valve	Electronic				
Air Flow (m^3/h)	450				
Air Discharge	Horizontal				
Air Duct Diameter	Non-ducted				
Back-up Heater (kW)	2				
Default Water Temperature (°C)	55				
Working Temperature Range (°C)	-7-43				
Unpacked Dimension(L*W*H)(mm)	600*600*1600	600*600*1830	500*500*1670	600*600*1600	600*600*1830
Packed Dimension(L*W*H)(mm)	700*700*1770	700*700*2050	640*640*1840	700*700*1770	700*700*2050
Net Weight (kg)	118	136	92	118	136
Gross Weight (kg)	137	155	110	137	155
Noise (dB(A))	48	48	48	48	48

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

R134a WALL MOUNTED WATER HEATER

With Horizontal/Vertical



Features

- Horizontal/Vertical optional
- Maximum outlet water temperature up to 75℃
- Multiple running mode
- Silent running, low to 38dB(A)



YT-060|080|100 GV　　YT-060|080|100 GH

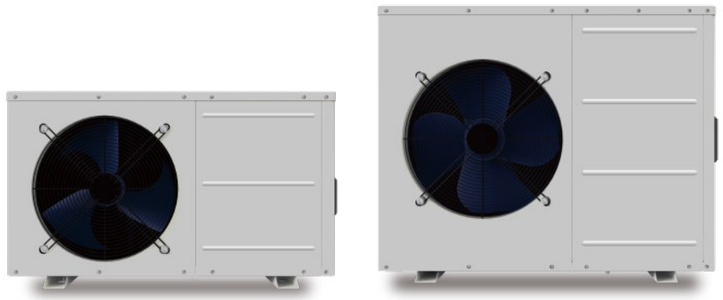
T E C H N I C A L　D A T A

Model	YT-060GV	YT-080GV	YT-100GV	YT-060GH	YT-080GH	YT-100GH
Installation	Vertical	Vertical	Vertical	Horizontal	Horizontal	Horizontal
Power Supply	220 ~ 240V/1/50Hz					
Heating Capacity at Air 20℃/15℃, Water Temperature from 15℃ to 55℃						
Heating Capacity (W)	600	600	600	600	600	600
Power Input (W)	169	169	169	169	169	169
COP	3.50	3.50	3.50	3.50	3.50	3.50
Hot Water Production (L/h)	12	12	12	12	12	12
Refrigerant	R134a					
Electric Heating Element (kW)	2					
Max Power Input (kW)	2.5					
Max Current (A)	11.4					
Water Tank Volume (L)	60	80	100	60	80	100
Max Water Tank Pressure	0.8MPa					
IP Class	IPX4					
Working temperature range (℃)	-7 ~ 43					
Net Dimension(mm)	Φ470*977	Φ470*1142	Φ470*1282	Φ470*890	Φ470*1040	Φ470*1180
Package Dimension(L*W*H)(mm)	565*585*1010	565*585*1180	565*585*1320	565*570*960	565*570*1100	565*570*1250
Net Weight (kg)	39	42	45	39	42	50
Gross Weight (kg)	43	46	58	43	46	54
Noise (dB(A))	38					
Air Duct	Non-ducted					

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

R410A SANITARY WATER HEATER

Hot Water



MODBUS

Features

- R410A refrigerant, environmental friendly
- Higher water temperature output up to 60ºC
- Tube in shell heat exchanger, Hi-COP & safety
- With disinfection function (tank with electric heater)
- High pressure protection
- Defrost automatically
- MODBUS communication
- Full automatically operation



RS-004|006|008|010|012|018 TA1

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

Model	RS-004TA1	RS-006TA1	RS-008TA1	RS-010TA1	RS-012TA1	RS-018TA1
Power Supply	220~240V/1/50Hz	220~240V/1/50Hz	220~240V/1/50Hz	220~240V/1/50Hz	220~240V/1/50Hz	380~415V/3/50Hz
Heating Capacity at Air 20℃/15℃, Water Temperature from 15℃ to 55℃						
Heating Capacity(kW)	3.6	5.4	7.6	10.8	13.2	18.8
Power Input(kW)	0.86	1.26	1.81	2.54	3.17	4.56
COP	4.18	4.29	4.20	4.25	4.16	4.12
Max Power Input(kW)	1.45	2.01	2.75	3.02	4.51	6.02
Max Current(A)	6.5	9.0	12.0	15.2	23.0	11.0
Rated Hot Water(L/h)	80	120	165	230	285	400
Refrigerant	R410A	R410A	R410A	R410A	R410A	R410A
Expansion Valve	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Air Flow Direction	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
Water Pump inside	Yes	Yes	Yes	Yes	Yes	No
Water Pressure Drop(kPa)	35	35	40	45	45	45
Net Dimensions(L*W*H)(mm)	936*385*550	936*385*550	1011*420*614	986*420*798	986*420*798	1000*375*1320
Package Dimensions(L*W*H)(mm)	1030*445*592	1030*445*592	1105*480*657	1158*560*1017	1158*560*1017	1070*445*1440
Working temperature range(℃)	-15 ~ 43	-15 ~ 43	-15 ~ 43	-15 ~ 43	-15 ~ 43	-15 ~ 43
Noise(dB(A))	47	49	52	52	53	54
Net Weight(kg)	50	54	68	68	85	149
Water connection(mm)	20	20	20	20	20	25

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

R410A SPLIT TYPE

Heat Pump Water Heater



R410A MODBUS

Features

- Hi-efficient heat pump specialized compressor
- Micro-channel heat exchangers greatly improve units performance
- Fluorine cycle, environment-friendly refrigerant R410A
- Less installation space, easy installation&maintenance.
- The evaporator is larger than usual size to keep its high efficiency
- Separating the water from electricity or any other hazard material, more safe
- Higher water temperature output max. up to 55 ºC



KFDC-70/150A **KFDC-70/200A**
KFDC-100/200A **KFDC-100/300A**

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

Model	KFDC-70/150A	KFDC-70/200A	KFDC-100/200A	KFDC-100/300A
Heating capacity (W)	3250	3250	4800	4800
Hot water yield (L/h)	70	70	100	100
Heating Capacity at Air 20°C/15°C, Water Temperature from 15°C to 55°C				
Input power (W)	814	814	1136	1136
Rated current (A)	3.9	3.9	5.3	5.3
Max. input power (W)	2650	2650	3500	3500
Max. input current (A)	12.3	12.3	16.2	16.2
Starting current (A)	16.0	16.0	22.0	22.0
COP	3.99	3.99	4.23	4.23
Auxiliary electric heater(W)	1500	1500	1500	1500
Heating type	Fluorine Cycle	Fluorine Cycle	Fluorine Cycle	Fluorine Cycle
Refrigerant type		R410A		
Noise(dB(A))	≤50	≤50	≤52	≤52
Running ambient temperature(ºC)		-7~43		
Main Unit size (mm)	680*250*440	680*250*440	780*300*545	780*300*545
Packing size (mm)	790*355*530	790*355*530	905*380*590	905*380*590
Net Weight / Gross Weight (KG)	25/30	25/30	32/40	32/40
Water tank Model	SX-150D	SX-200D	SX-200D	SX-300D
Water tank volume (L)	150	200	200	300
Water tank size (mm)	Φ440*1696	Φ500*1716	Φ500*1716	Φ630*1555
Water tank Packing size (mm)	530*530*1730	610*610*1750	610*610*1750	700*700*1710
Water tank Net Weight / Gross Weight (KG)	55/64	70/79	70/79	90/110

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R410A POWERFUL COMMERCIAL

Water Heater



Features

- Modbus: The mainboard has RS 485 communication connection, can communicate via Modbus
- Full-automatic: Adopt the smart controller, doesn't need manual operation
- High Efficiency: Adequate heat transfer area ensures the high COP and performance
- Comfort: High water temperature up to 60ºC, large hot water supply
- Multiple protections:The multiple protective design ensures the system long service life and stable operation, including high pressure protection, low pressure protection, high voltage/current protection, high temperature protection, frosting protection and anti-freeze protection
- Environmentally friendly: Use the environmentally friendly refrigerant R410A
- Wide Application: Operation ambient temperature -15ºC~43ºC, system can be used for hotel, hosipital, school, factory and so on

RS-019|022|032|038 TA1
RS-045|076|090|100|200 TA1

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

Model	**RS-019TA1**	**RS-022TA1**	**RS-032TA1**	**RS-038TA1**
Power Supply	380~415V/3/50Hz	380~415V/3/50Hz	380~415V/3/50Hz	380~415V/3/50Hz
Heating Capacity (KW)	18.00	22.00	32.00	38.00
Rated Input Power (KW)	4.20	5.15	7.40	8.75
Rated Current (A)	7.51	9.21	13.51	15.64
COP	4.29	4.27	4.32	4.34
Max Power Input(kW)	7.20	8.70	12.00	13.90
Max Current(A)	12.90	15.60	21.60	24.85
Water Temp. Range (℃)	Default 55, 28~60	Default 55, 28~60	Default 55, 28~60	Default 55, 28~60
Working temp. range(℃)	-15~43	-15~43	-15~43	-15~43
Anti-electric chock class	I	I	I	I
Water proof grade	IPX4	IPX4	IPX4	IPX4
Water flow volume(L/h)	4000	4500	6900	8000
Water Pressure Drop(kPa)	50	50	60	60
Compressor qty.	1	1	2	2
Fan motor qty.	1	1	2	2
Color	Black, Matte surface			
Air Flow Direction	Vertical			
Safeties	LP & HP Cutout, Current & Voltage, Overheat, Temperature, Pressure Protection			
Defrosting	Auto and By manual			
Dimensions(L*W*H)(mm)	752*691*1000	752*691*1000	1410*748*1000	1410*748*1000
Noise(dB(A))	≤57	≤57	≤59	≤59
Net Weight(kg)	155	155	259	259
Water connection(mm)	male 25	male 25	female 32	female 32
Gross Weight(kg)	163	163	269	269
Packing Dimensions(L*W*H)(mm)	792*741*1151	792*741*1151	1460*798*1151	1460*798*1151

Model	**RS-045TA1**	**RS-076TA1**	**RS-090TA1**	**RS-100TA1**	**RS-200TA1**
Power Supply	380~415V/3/50Hz	380~415V/3/50Hz	380~415V/3/50Hz	380~415V/3/50Hz	380~415V/3/50Hz
Heating Capacity (KW)	47.00	76.00	88.00	101.00	192.00
Rated Input Power (KW)	10.82	17.70	21.00	23.38	45.90
Rated Current (A)	19.34	32.00	37.54	41.79	80.30
COP	4.34	4.29	4.19	4.32	4.18
Max Power Input(kW)	16.23	28.50	31.50	33.90	68.85
Max Current(A)	29.01	51.00	56.31	60.60	120.45
Water Temp. Range (℃)	Default 55, 28~60	Default 55, 28~60	Default 55, 28~60	Default 55, 28~60	Default 55, 28~60
Working temp. range(℃)	-15~43	-15~43	-15~43	-25~43	-25 ~ 43
Anti-electric chock class	I	I	I	I	I
Water proof grade	IPX4	IPX4	IPX4	IPX4	IPX4
Water flow volume(L/h)	9500	16000	18000	20000	35000
Water Pressure Drop(kPa)	65	65	65	65	75
Compressor qty.	1	2	1	1	2
Fan motor qty.	1	2	2	2	2
Color	Black, Matte surface				
Air Flow Direction	Vertical				
Safeties	LP & HP Cutout, Current & Voltage, Overheat, Temperature, Pressure Protection				
Defrosting	Auto and By manual				
Dimensions(L*W*H)(mm)	1250*1076*1870	2198*1096*2176	2198*1096*2176	2198*1096*2176	2260*1160*2320
Noise(dB(A))	≤65	≤70	≤70	≤70	≤75
Net Weight(kg)	450	650	700	715	1000
Water connection(mm)	male 40	female 50	female 50	female 50	female 80
Gross Weight(kg)	462	665	725	740	1035
Packing Dimensions(L*W*H)(mm)	1250*1076*1870	2198*1096*2296	2198*1096*2296	2198*1096*2296	2260*1160*2320

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

R290 INVERTER POOL HEATER

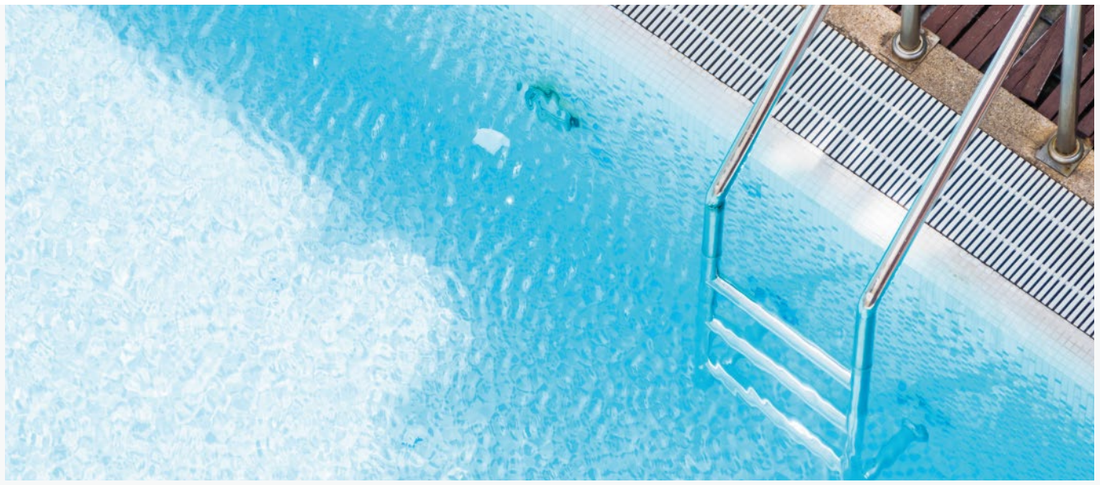
Swimming Pool Heat Pump



R290 | Full Inverter | SG Ready Smart Heat Pump

Features

- Fully Inverter with R290 refrigerant
- Battery detection function
- SG-READY function
- 5-inch TFT color screen
- Graffiti 5G/2.4G compatible WIFI module
- Reserved RS485 communication port
- Linkage control
- DTU function
- OTA function
- IoT function



BYC-007|010|013|016|020|027 TJ1

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

Model	BYC-007TJ1	BYC-010TJ1	BYC-013TJ1	BYC-016TJ1	BYC-020TJ1	BYC-027TJ1
* Heating Capacity at Air 26℃, Humidity 80%, Water 26℃ in, 28℃ out						
Heating Capacity (kW)	7.3 ~ 2.8	9.7 ~ 3.7	12.5 ~ 4.7	15.9 ~ 6	20 ~ 7.6	26.8 ~ 10.2
Power Input (kW)	1.12 ~ 0.26	1.47 ~ 0.35	1.88 ~ 0.45	2.41 ~ 0.57	3.02 ~ 0.72	4.06 ~ 0.97
Current Input (A)	5.1 ~ 1.2	6.7 ~ 1.6	8.6 ~ 2	11 ~ 2.6	13.8 ~ 3.3	18.5 ~ 4.4
COP	10.6 ~ 6.6	10.5 ~ 6.6	10.6 ~ 6.6	10.6 ~ 6.6	10.6 ~ 6.6	10.6 ~ 6.6
* Heating Capacity at Air 15℃, Humidity 70%, Water 26℃ in, 28℃ out						
Heating Capacity (kW)	5.6 ~ 2.1	7.2 ~ 2.7	9.2 ~ 3.5	12 ~ 4.5	15 ~ 5.6	19.7 ~ 7.3
Power Input (kW)	1.15 ~ 0.29	1.54 ~ 0.4	1.95 ~ 0.51	2.52 ~ 0.62	3.18 ~ 0.83	4.17 ~ 1.08
Current Input (A)	5.4 ~ 1.3	7 ~ 1.8	8.9 ~ 2.3	11.6 ~ 2.8	14.5 ~ 3.8	18.9 ~ 4.9
COP	7.2 ~ 4.9	7.6 ~ 4.9	7.6 ~ 5	7.2 ~ 4.8	7.6 ~ 5	7.6 ~ 5
* Cooling Capacity at Air 35℃, Water 29℃ in, 27℃ out						
Cooling Capacity (kW)	4.3 ~ 2.4	5.4 ~ 2.9	6.9 ~ 3.7	8.9 ~ 4.8	11.1 ~ 6	14.6 ~ 7.9
Power Input (kW)	0.85 ~ 0.35	1.08 ~ 0.44	1.38 ~ 0.56	1.79 ~ 0.74	2.23 ~ 0.9	2.94 ~ 1.19
Current Input (A)	4 ~ 1.7	4.9 ~ 2	6.3 ~ 2.5	8.1 ~ 3.4	10.1 ~ 4.1	13.4 ~ 5.4
EER	6.9 ~ 5.1	6.6 ~ 5	6.7 ~ 5	6.9 ~ 5	6.7 ~ 5	6.7 ~ 4.9
Power supply	220 ~ 240V/50 (60) Hz					
Max power input (kW)	1.76	2.30	2.85	3.3	4.99	5.96
Rated power (kW)	1.15	1.54	1.95	2.52	3.18	4.17
Rated current (A)	5.2	7	8.9	11.7	14.5	19
Fuse or circuit breaker (A)	10	15	15	20	25	30
Water flow (m^3/h)	2.5	3.5	4.5	5.5	6.5	9
Refrigerant	R290					
Heat Exchanger	Titanium					
Air Flow Direction	Horizonta					
Automatic defrosting	by 4 way valve					
Heating temperatuer range (°C)	8 ~ 40					
Cooling temperatuer range (℃)	8 ~ 28					
Operating range (℃)	-15 ~ 45					
Min pressure/max pressure (Mpa)	0.15/3					
Water proof level	IPX4					
Net Dimensions (mm)(L * W * H)	914*394*640	914*394*640	1074*429*733	1074*429*733	1205*480*800	1205*480*800
Package Dimensions (mm)(L * W * H)	973*455*654	973*455*654	1136*496*755	1136*496*755	1280*540*830	1280*540*830
Net Weight (kg)	54	57	68	72	85	90
Gross Weight (kg)	64	67	78	82	95	100

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

R32 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.

R32 INVER-PREMIUM

Swimming Pool Heat Pump



Features

- Interactive Touch & Fun Play
- Full 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°C, Humidity 80%, Water 26°C in, 28°C 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°C, Humidity 70%, Water 26°C in, 28°C 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°C, Water 29°C in, 27°C 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 (°C)	-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.

R32 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 TF1
BYC-030|035 TF3

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

Model	BYC-007TF1	BYC-010TF1	BYC-013TF1	BYC-017TF1	BYC-021TF1	BYC-030TF1	BYC-035TF1	BYC-030TF3	BYC-035TF3
* 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.

R32 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.

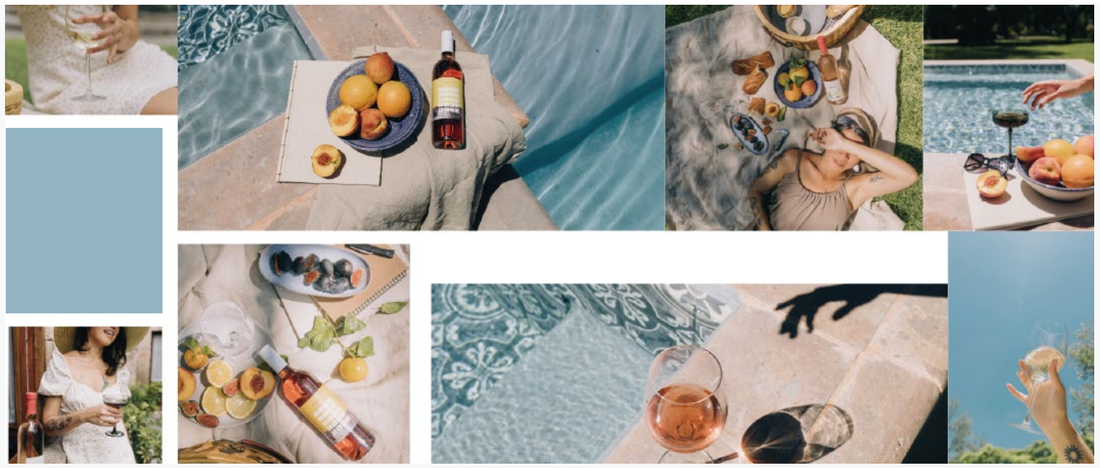
R32 MINI HEATER

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

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

R410A COMMERCIAL MAX

Swimming Pool Heat Pump



R410A MODBUS

Features

- R410A refrigerant, environmental friendly
- Higher water temperature output up to 40°C
- 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°C/24°C, Water 27°C in, 29°C 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°C/12°C, Water 26°C in, 28°C 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°C/24°C, Water 29°C in, 27°C 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 (°C)			-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.

R32 INVER-MAX

Swimming Pool Heat Pump



R32 | Full Inverter | MODBUS

Features

- Full inverter, higher COP, better performance
- R32 refrigerant, environmental friendly
- Titanium heat exchanger, corrosion resistance
- 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°C, Water 26°C, 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°C, Water 26°C, 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°C, Water 27°C			
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 (°C)		-15 ~ 43	
Heating temperature range (°C)		15 ~ 40	
Cooling temperature range (°C)		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

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

SOLAREAST HEAT PUMPS

Global Heat Pump Installations

Heat Pump Water Heater



Tesla Shanghai Super Factory



Beijing Daxing International Airport



Japan Ski Resort



Korea Industrial Zone



Russia Copper Industry



Thailand Hot Spring Hotel

Swimming Pool Heat Pump



Beijing Olympic Bird's Nest



Middle East Swimming Training Center



Vietnam Fish Farm



Netherland Villa