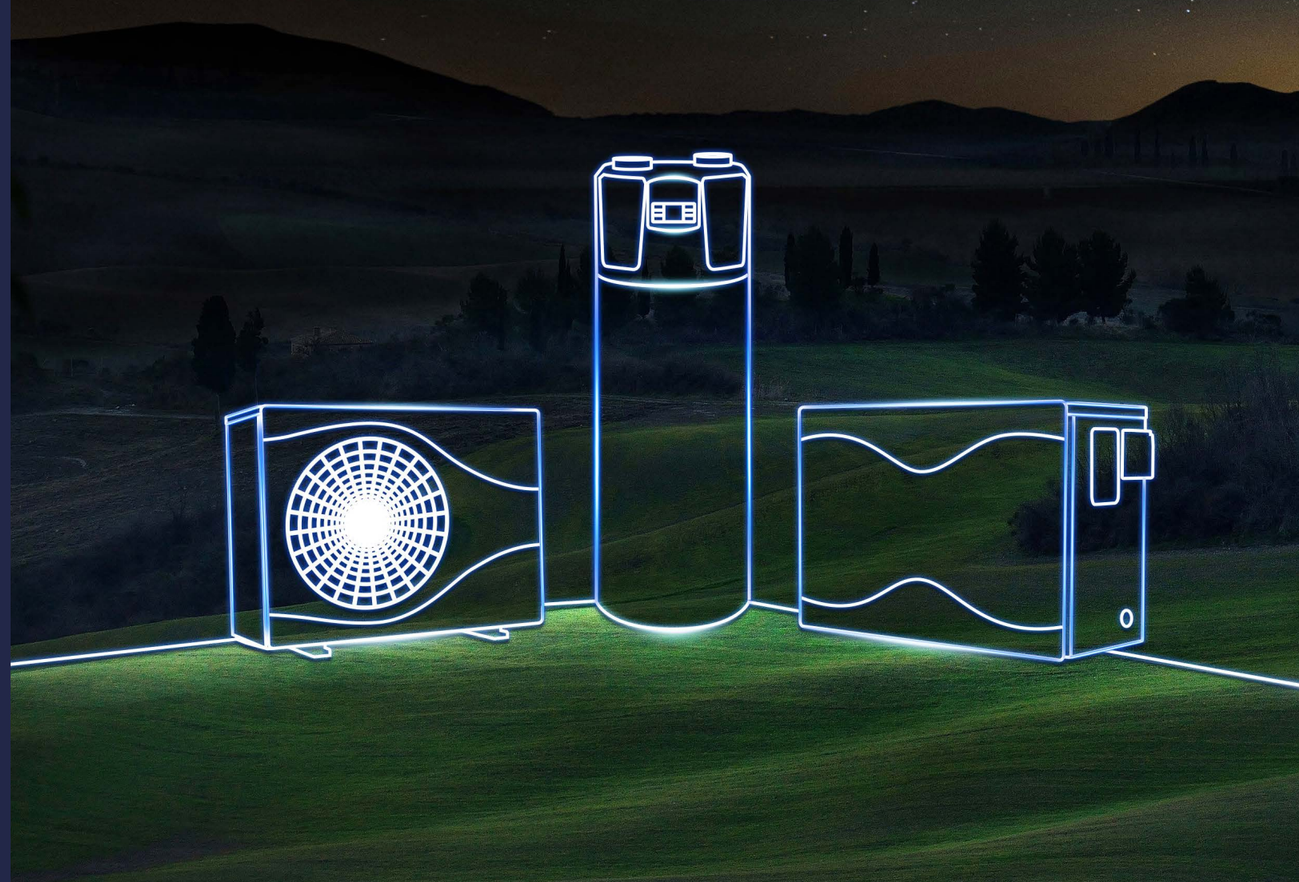
Solareast Heat Pump Ltd.

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SolarEast

AIR WATER

HEAT PUMPS



SOLAREAST HEAT PUMPS

Solareast Group Production Bases



Lianyungang Production Base

Built in 1999
Solar heater production base
Water Purifier production base
Heat pump production base

01



Luoyang Production Base

Built in 2002
Solar heater production base

03



Yuyao Production Base

Built in 1984
Kitchen appliance production base
Electric water heater production base

02



Tibet Production Base

Built in 2020
Large flat plate solar thermal collector production base

04

solareasthvac.com

SOLAREAST HEAT PUMP LTD.

05

Solareast Heat Pump Ltd.

Solareast Group, a prominent player in the energy sector, operates five state-of-the-art production bases across China. Among them, Solareast Heat Pump Ltd., located in Shunde, Guangdong, specializes in the production of air source heat pumps.

Spanning over 100,000 square meters, our factory boasts a remarkable production capacity of 50,000 heat pump units per annual. In our commitment to quality, we have invested USD 2 million in the construction of advanced testing laboratories. These cutting-edge facilities enable us to rigorously test machines up to 300kW, even in the harshest cold climates, with temperatures as low as -30°C.

Moreover, Solareast Heat Pump Ltd. has received prestigious certifications such as ISO9001, ISO14001, ISO18001, and our products have gained approval from BAFA,CE, Rohs, MCS, KEYMARK, CB, SAA, ErP, among others.

With more than a decade of experience in air source heat pump technology, Solareast Heat Pump Ltd. stands at the forefront of providing sustainable and highly efficient thermal energy solutions.

Our innovative approach has positively impacted the lives of over 25 million households and served over 20,000 engineering customers across 100 countries, showcasing our extensive global reach and unwavering commitment to customer satisfaction.

As we forge ahead, we remain firmly grounded in our guiding principles of innovation, sustainability, and customer-centricity. Our mission is to deliver world-class, eco-friendly heating solutions that promote a sustainable lifestyle while ensuring our customers enjoy a warm and comfortable environment. We are resolute in our dedication to transforming the global heating landscape and leaving behind a healthier planet for future generations.

At Solareast Heat Pump Ltd., we envision a future where energy efficiency and environmental responsibility converge seamlessly. Join us on this transformative journey as we continue to pioneer advancements in heat pump technology, providing sustainable solutions that make a lasting impact on the world.



SOLAREAST HEAT PUMPS

Revolutionizing Energy Efficiency in New Buildings with Heat Pump Solutions

Solareast's state-of-the-art heat pump systems encompass a comprehensive range of cutting-edge technologies. Harnessing the boundless and renewable energy from the air, water, and the earth, these systems are poised to supersede fossil fuel dependency.

The Solareast principle:

As we forge ahead, we remain firmly grounded in our guiding principles of innovation, sustainability, and customer-centricity. Our mission is to deliver world-class, eco-friendly heating solutions that promote a sustainable lifestyle while ensuring our customers enjoy a warm and comfortable environment. We are resolute in our dedication to transforming the global heating landscape and leaving behind a healthier planet for future generations.

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Inver-top
Inver-premium
Inver-spark
Inver-nova
Traditional ABS
Inver-wave
Traditional metal
Commercial max

SOLAREAST HEAT PUMPS

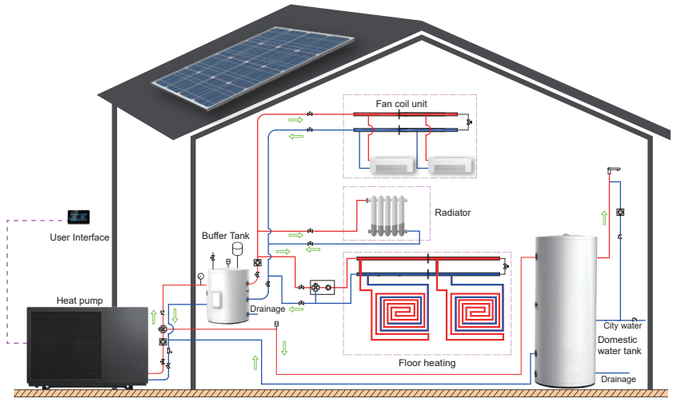
MONOBLOCK HEAT PUMP

Heating / Cooling / DHW / DC Inverter / Residential Type



Features

- R290 refrigerant,low GWP(GWP=3)
- Energy class: A+++
- Stable operation at -25°C
- Outlet water temperature up to 75°C
- Power Detection Function
- SG-READY Function
- 5-Inch TFT True Color Screen
- 5G/2.4G Compatible WIFI Module
- Dual Temperature Zone
- Reserved RS485 Communication Port
- Linkage Control with PV Function



Heat Pumps in Action: Various Application Scenarios

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

Model			BLN-006TC1	BLN-008TC1	BLN-008TC3	BLN-012TC1	BLN-012TC3	BLN-018TC1	BLN-018TC3
Power supply		V/Ph/Hz	220~240/1/50	220~240/1/50	380~415/3/50	220~240/1/50	380~415/3/50	220~240/1/50	380~415/3/50
Nominal Heating (Max) (A7/6°C,W30/35°C)	Heating capacity	kW	2.92 ~ 9.10	4.10 -12.10	4.10 -12.10	4.30 ~ 15.20	4.30 ~ 15.20	7.24 ~ 21.90	7.24 ~ 21.90
	Power input	kW	0.61 ~ 2.11	0.79 -2.85	0.79 -2.85	0.87 ~ 3.73	0.87 ~ 3.73	1.50 ~ 5.88	1.50 ~ 5.88
	Current input	A	2.80 ~ 9.25	3.45-13.04	1.62-4.57	4.02 ~ 16.38	1.78 ~ 6.04	6.86 ~ 30.25	2.82 ~ 9.16
	COP	W/W	4.31 ~ 5.66	4.24 - 5.57	4.24 - 5.57	4.07 ~ 5.57	4.07 ~ 5.57	3.82 ~ 5.59	3.82 ~ 5.59
Nominal Heating (Max) (A7/6°C,W47/55°C)	Heating capacity	kW	2.99~8.16	4.05-12.15	4.05-12.15	4.25 ~ 14.55	4.25 ~ 14.55	6.36 ~ 19.45	6.36 ~ 19.45
	Power input	kW	1.03~2.92	1.38-4.06	1.38-4.06	1.45 ~ 4.28	1.45 ~ 4.28	2.15 ~ 6.85	2.15 ~ 6.85
	Current input	A	4.57~12.79	5.73-17.70	2.70-6.43	6.71 ~ 18.80	2.84 ~ 6.78	9.84 ~ 30.12	3.71 ~ 10.60
	COP	W/W	2.79 ~ 3.46	2.99 - 3.45	2.99- 3.45	2.83 ~ 3.45	2.83 ~ 3.45	2.84 ~ 3.57	2.84 ~ 3.57
Nominal Cooling (Max) (A35/24°C,W12/7°C)	Cooling capacity	kW	1.38~5.70	3.65-8.59	3.65-8.59	3.65 ~ 11.04	3.65 ~ 11.04	4.55 ~ 17.20	4.55 ~ 17.20
	Power input	kW	0.67~2.44	1.12-3.31	1.12-3.31	1.12~3.97	1.12 ~ 3.97	1.85 ~ 7.31	1.85 ~ 7.31
	Current input	A	3.06~10.27	5.18-14.47	1.97-5.25	5.18~17.44	1.97 ~ 6.30	8.47 ~ 32.1	2.99 ~ 11.26
ERP level (outlet water temp. at 35°C)		/	A+++	A+++	A+++	A+++	A+++	A+++	A+++
Max. input power		kW	3.5	5.40	5.85	5.40	5.85	7.5	10.5
Max. input current		A	15.0	25.0	10.0	25.0	10.0	35.0	17.0
Refrigerant Type / Charge / GWP		... / kg	R290 / 0.55 / 3	R290 / 1.05 / 3	R290 / 1.05 /3	R290 / 1.05 / 3	R290 / 1.05 /3	R290 / 1.4 / 3	R290 / 1.4 / 3
Rated water flow		m^3/h	1.00	1.4	1.4	2.06	2.06	3.1	3.1
Fan quantity		/	1	1	1	1	1	2	2
Fan motor type		/	DC inverter						
Compressor		/	DC inverter						
Circulating pump		/	Inverter type / Built-in						
IP class		/	IPX4						
Sound pressure at 1m distance		dB(A)	46	43	43	53	54	56	56
Max outlet water temperature		°C	75	75	75	75	75	75	75
Water piping connections		/	G1	G1	G1	G1	G1	G1 - 1 / 4	G1 - 1 / 4
Water Pressure drop		kPa	20	20	20	20	20	55	55
Operating temperature range (heating mode)		°C	-25~45						
Operating temperature range (cooling mode)		°C	16~45						
Unpacked dimensions (L*D*H)		mm	1187*418*805	1287*448*904	1287*448*904	1287*448*904	1287*448*904	1187*488*1456	1187*488*1456
Packed dimensions (L*D*H)		mm	1217*463*920	1317*493*1020	1317*493*1020	1317*493*1020	1317*493*1020	1217*538*1570	1217*538*1570
UnPacked weight		kg	110	134	134	134	134	195	195
Packed weight		kg	122	146	146	146	146	208	208

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

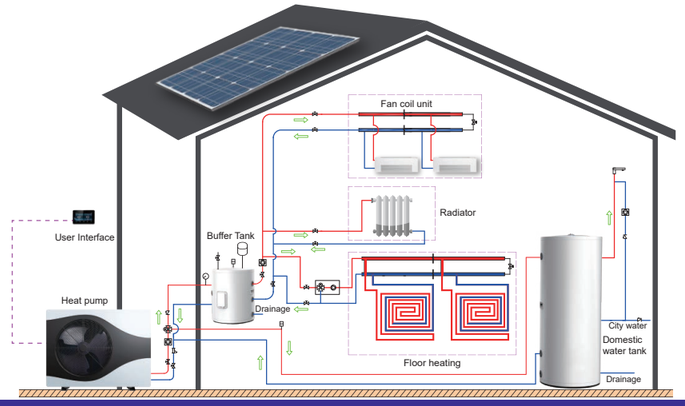
MONOBLOCK HEAT PUMP

Heating / Cooling / DHW / DC Inverter / Residential Type



Features

- R32 environmental refrigerant
- Energy class: A+++
- Full DC inverter Panasonic compressor and fan motor
- -25℃ inverter EVI
- Power Detection Function
- SG-READY Function
- 5-Inch TFT True Color Screen
- 5G/2.4G Compatible WIFI Module
- Dual Temperature Zone
- Reserved RS485 Communication Port
- Linkage Control with PV Function
- Outlet water temperature up to 60℃



Heat Pumps in Action: Various Application Scenarios

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

Model			BLN-006TB1	BLN-010TB1	BLN-010TB3	BLN-014TB1	BLN-014TB3	BLN-018TB1	BLN-018TB3	BLN-024TB3
Power supply		V/Ph/Hz	220~240/1/50	220~240/1/50	380~415/3/50	220~240/1/50	380~415/3/50	220~240/1/50	380~415/3/50	380~415/3/50
Nominal Heating (Max) (A7/6℃,W30/35℃)	Heating Capacity	kW	2.50 ~ 8.30	4.20-12.20	4.20 ~ 12.20	5.30 ~ 16.50	5.30-16.60	6.20-20.50	6.20 ~ 20.50	6.50-26.10
	Power Input	kW	0.57 ~ 1.92	0.86 ~ 2.88	0.86 ~ 2.88	1.15 ~ 4.15	1.15 ~ 4.15	1.36 ~ 5.28	1.36 ~ 5.28	1.78 ~ 6.45
	Current Input	A	2.53 ~ 8.52	3.82 ~ 12.77	1.46 ~ 4.89	5.10 ~ 18.41	1.86 ~ 6.70	6.10 ~ 23.67	2.31 ~ 8.96	2.87 ~ 10.35
	COP	W/W	4.32 ~ 5.86	4.23 ~ 5.39	4.23 ~ 5.39	3.97 ~ 5.43	3.97 ~ 5.43	3.88 ~ 5.21	3.88 ~ 5.21	4.04 ~ 5.43
Nominal Heating (Max) (A7/6℃,W47/55℃)	Heating Capacity	kW	2.30 ~ 7.62	3.85 ~ 11.20	3.85 ~ 11.20	4.90 ~ 15.10	4.90 ~ 15.10	6.30 ~ 19.90	6.30 ~ 19.90	6.90 ~ 26.10
	Power Input	kW	0.75 ~ 2.61	1.13 ~ 3.75	1.13 ~ 3.75	1.65 ~ 5.25	1.65 ~ 5.25	1.65 ~ 6.82	1.65 ~ 6.82	1.95 ~ 8.55
	Current Input	A	3.32 ~ 11.58	5.01 ~ 16.6	1.92 ~ 6.37	7.32 ~ 23.30	1.67 ~ 8.47	7.40 ~ 30.56	2.80 ~ 11.58	3.15 ~ 13.80
	COP	W/W	2.92 ~ 3.33	2.99 ~ 3.46	2.99 ~ 3.46	2.87 ~ 3.38	2.87 ~ 3.38	2.91 ~ 3.34	2.91 ~ 3.34	3.05 ~ 3.42
Nominal Cooling (Max) (A35/24℃,W12/7℃)	Cooling Capacity	kW	1.80 ~ 7.10	2.60 ~ 10.30	2.60 ~ 10.30	4.50 ~ 13.50	4.50 ~ 13.50	5.50 ~ 17.50	5.50 ~ 17.50	5.20 ~ 21.30
	Power Input	kW	0.61 ~ 2.43	0.91 ~ 3.65	0.91 ~ 3.65	1.45 ~ 4.85	1.45 ~ 4.85	1.65 ~ 6.25	1.65 ~ 6.25	1.95 ~ 8.20
	Current Input	A	2.71 ~ 10.78	4.03 ~ 16.19	1.55 ~ 6.20	6.43 ~ 21.52	2.34 ~ 7.82	7.40 ~ 28.02	2.80 ~ 10.61	3.15 ~ 13.23
	EER	W/W	3.04	3	3.00	2.87	2.87	2.96	2.96	2.92
ERP Level (Outlet water temp. at 35℃)		/	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
ERP Level (Outlet water temp. at 55℃)		/	A++	A++	A++	A++	A++	A++	A++	A++
Rated input power		kW	2.71	3.83	3.83	6.20	6.20	7.50	7.50	10.00
Rated input current		A	12	17	6.5	27.50	10.50	35.00	13.00	17.00
Refrigerant Type / Charge / GWP		... / kg	R32/1.25/675	R32/1.8/675	R32/1.8/675	R32/2.8/675	R32/2.8/675	R32/3.5/675	R32/3.5/675	R32/3.5/675
Rated water flow		m3/h	1.1	1.75	1.75	2.52	2.52	3.20	3.20	4.12
Fan quantity		/	1	1	1	1	1	2	2	2
Fan motor type		/	DC inverter							
Compressor		/	Panasonic / DC inverter / Rotary / EVI							
Circulating pump		/	Inverter type / Built-in							
IP Class		/	IPX4							
Sound pressure at 1m distance		dB(A)	49	52	52	53	54	56	55	58
Max outlet water temperature		℃	60	60	60	60	60	60	60	60
Water piping connections		inch	G1	G1	G1	G1-1/4	G1-1/4	G1-1/2	G1-1/2	G1-1/2
Pressure drop at rating water flow		kPa	25	27	27	30	30	32	32	35
Operating temperature range(Heating mode)		℃	-25~45							
Operating temperature range(Cooing mode)		℃	16~45							
Unpacked Dimensions (L*D*H)		mm	1100*445*850	1100*445*850	1100*445*850	1110*480*850	1110*480*850	1110*445*1450	1110*445*1450	1110*445*1450
Packed Dimensions (L*D*H)		mm	1160*530*1010	1160*530*1010	1160*530*1010	1160*565*1010	1160*565*1010	1170*530*1610	1170*530*1610	1170*530*1610
UnPacked Weight		kg	102	107	107	124	124	151	151	160
Packed Weight		kg	114	119	119	136	136	168	168	177

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

MONOBLOCK HEAT PUMP

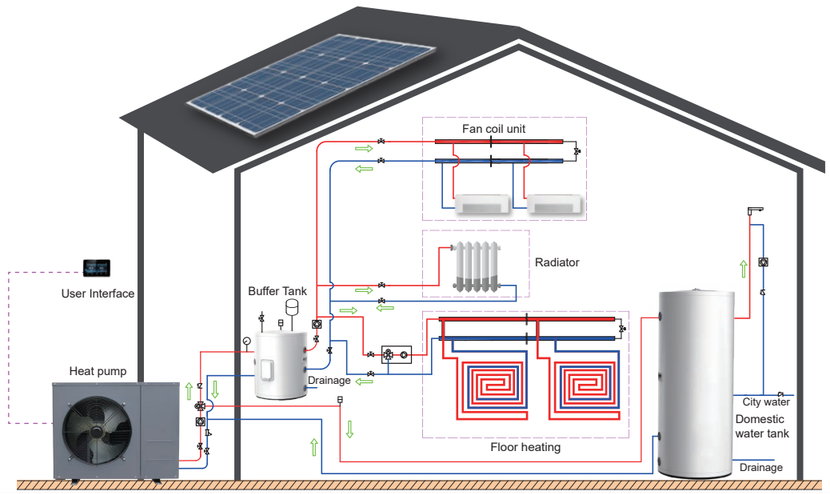
Heating / Cooling / DHW / DC Inverter / Residential Type



Features

- Energy class: A++
- Heating+Cooling+DHW
- Full DC inverter compressor and fan motor
- -25℃ inverter EVI
- WIFI smart control
- R32 refrigerant, environmental friendly
- Outlet water temperature up to 60℃





Heat Pumps in Action: Various Application Scenarios

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

Model			BLN-009TA1	BLN-012TA1	BLN-015TA1	BLN-018TA1	BLN-012TA3	BLN-015TA3	BLN-018TA3	BLN-026TA3	BLN-032TA3
Power supply		V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Performance Condition: Outdoor air 7℃ / 6℃, Inlet / Outlet water 30℃ / 35℃											
Heating	Capacity	kW	3.4 ~ 10.2	4.6 ~ 12.8	5.2 ~ 16.8	6.8 ~ 20.5	4.6 ~ 12.8	5.2 ~ 16.8	6.8 ~ 20.5	11.8 ~ 28.6	14.5 ~ 36.3
	Rated input	kW	0.7 ~ 3.2	0.8 ~ 3.9	1.0 ~ 5.1	1.5 ~ 5.9	0.8 ~ 3.9	1.0 ~ 5.1	1.5 ~ 5.9	2.9 ~ 6.2	3.8 ~ 7.6
	SCOP		4.29	4.31	4.26	4.21	4.31	4.26	4.21	4.36	4.20
Performance Condition: Outdoor air 7℃ / 6℃, Inlet / Outlet water 50℃ / 55℃											
Heating	Capacity	kW	3.6 ~ 10.3	4.7 ~ 12.9	5.3 ~ 16.8	6.9 ~ 20.8	4.7 ~ 12.9	5.3 ~ 16.8	6.9 ~ 20.8	11.8 ~ 28.8	14.7 ~ 36.6
	Rated input	kW	0.9 ~ 4.3	1.4 ~ 5.1	1.3 ~ 6.7	2.0 ~ 7.7	1.4 ~ 5.1	1.3 ~ 6.7	2.0 ~ 7.7	3.8 ~ 8.1	4.9 ~ 9.9
	SCOP		3.36	3.30	3.32	3.65	3.30	3.32	3.65	3.69	3.52
Performance Condition: Outdoor air 35℃ / 24℃, Inlet / Outlet water 12℃ / 7℃											
Cooling	Capacity	kW	2.1-8.2	2.6 ~ 9.1	3.6 ~ 11.5	4.2 ~ 16.8	2.6 ~ 9.1	3.6 ~ 11.5	4.2 ~ 16.8	5.2 ~ 19.5	6.2 ~24.5
	Rated input	kW	1.4 ~ 4.5	1.9 ~ 4.7	2.0 ~ 7.8	2.8 ~8.9	1.9 ~ 4.7	2.0 ~ 7.8	2.8 ~8.9	4.8 ~ 9.3	5.1 ~ 11.4
	EER		2.82	2.77	2.86	2.98	2.77	2.86	2.98	2.83	2.96
Energy class (SCOP)	Outlet water temp. at 35℃		A++								
	Outlet water temp. at 55℃		A++								
Refrigerant	Type		R32								
	Charged volume	kg	1.5	1.6	3.2	3.2	1.6	3.2	3.2	5.0	6.8
Noise level	Heating	dB(A)	45	45	48	48	45	48	48	50	50
	Cooling	dB(A)	46	46	49	49	46	49	49	51	51
Water flow volume		m^3/h	1.55	2.05	2.55	3.10	2.05	2.55	3.10	4.50	5.50
Water piping connections		mm	DN25 Male	DN25 Male	DN25 Male	DN32 Male	DN25 Male	DN25 Male	DN32 Male	DN32 Male	DN32 Male
Operating temperature range	Cooling	℃	16 ~ 48								
	Heating	℃	-25 ~ 48								
	DHW	℃	-25 ~ 48								
Net dimensions (W*D*H)		mm	1005*375*800	1005*375*800	1025*380*1320	1077*377*1460	1005*375*800	1025*380*1320	1077*377*1460	1127*427*1560	1127*427*1560
Packed dimensions (W*D*H)		mm	1080*455*960	1080*455*960	1076*440*1460	1150*450*1620	1080*455*960	1076*440*1460	1150*450*1620	1150*500*1720	1150*500*1720
Net/Gross weight		kg	70/80	75/85	124/140	147/165	75/85	124/140	147/165	160/178	200/218

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

SPLIT
HEAT PUMP

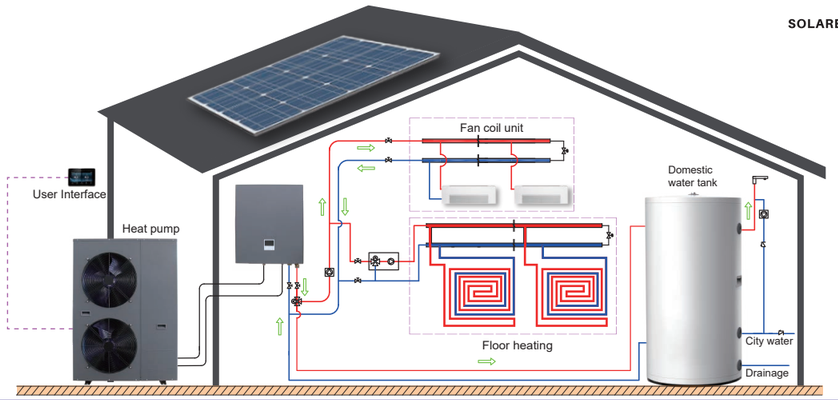
Heating / Cooling / DHW / DC Inverter / Residential Type



Features

- Energy class: A++
- Heating+Cooling+DHW
- Full DC inverter compressor and fan motor
- -25℃ inverter EVI
- WIFI smart control
- R410A refrigerant, environmental friendly
- Outlet water temperature up to 55℃





Heat Pumps in Action: Various Application Scenarios

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

Model			BLN-012TA1S	BLN-018TA1S	BLN-018TA3S
Power supply		V/Ph/Hz	220-240/1/50	220-240/1/50	380-415/3/50
Performance Condition: Outdoor air 7℃ / 6℃, Inlet / Outlet water 30℃ / 35℃					
Heating	Capacity	kW	4.3 ~ 12.3	6.7 ~ 20.5	6.7 ~ 20.5
	Rated input	kW	0.7 ~ 3.8	1.5 ~ 5.9	1.5 ~ 5.9
	SCOP		4.31	4.21	4.21
Performance Condition: Outdoor air 7℃ / 6℃, Inlet / Outlet water 50℃ / 55℃					
Heating	Capacity	kW	4.5 ~ 12.5	6.8 ~ 20.6	6.8 ~ 20.6
	Rated input	kW	1.4 ~ 5.1	2.0 ~ 7.7	2.0 ~ 7.7
	SCOP		3.30	3.65	3.65
Performance Condition: Outdoor air 35℃ / 24℃, Inlet / Outlet water 12℃ / 7℃					
Cooling	Capacity	kW	2.5 ~ 9.1	4.2 ~ 16.5	4.2 ~ 16.5
	Rated input	kW	1.9 ~ 6.1	2.8 ~8.9	2.8 ~8.9
	EER		2.71	2.78	2.78
Energy class (SCOP)	Outlet water temp. at 35℃			A++	
	Outlet water temp. at 55℃			A++	
Refrigerant	Type			R410A	
	Charged volume	kg	2.3	4.3	4.3
Noise level	Heating	dB(A)	45	48	48
	Cooling	dB(A)	46	49	49
Operating temperature range	Cooling	℃		16~48	
	Heating	℃		-25~48	
	DHW	℃		-25~48	
Net dimensions (W*D*H)		mm	1005*375*800	1077*377*1460	1077*377*1460
Packed dimensions (W*D*H)		mm	1080*455*960	1150*450*1620	1150*450*1620
Net/Gross weight		kg	66/76	125/138	125/138

Technical Data / Hydronic Box

Model		BLN-012TB3S-HB	BLN-018TB3S-HB
Power supply	V/Ph/Hz	380-415/3/50	380-415/3/50
Electrical Shockproof	/	I	I
IP Class	/	IPX0	IPX0
Operating Ambient Temperature	℃	-25 ~ 45	-25 ~ 45
Water Piping Connections	inch	G1-1/4	G1-1/4
Rated Water Flow	m^3/h	2.05	3.10
Water Pressure Drop	kPa	50	45
Min/Max water pressure	MPa	0.1/0.3	0.1/0.3
Noise Level	dB(A)	35	35
Net Dimensions (L×W×H)	mm	570*260*650	465×245×750
Net Weight	kg	38	49

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

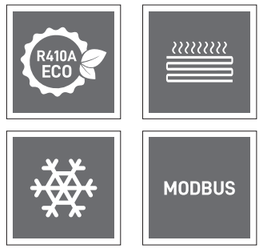
COMMERCIAL HEAT PUMP

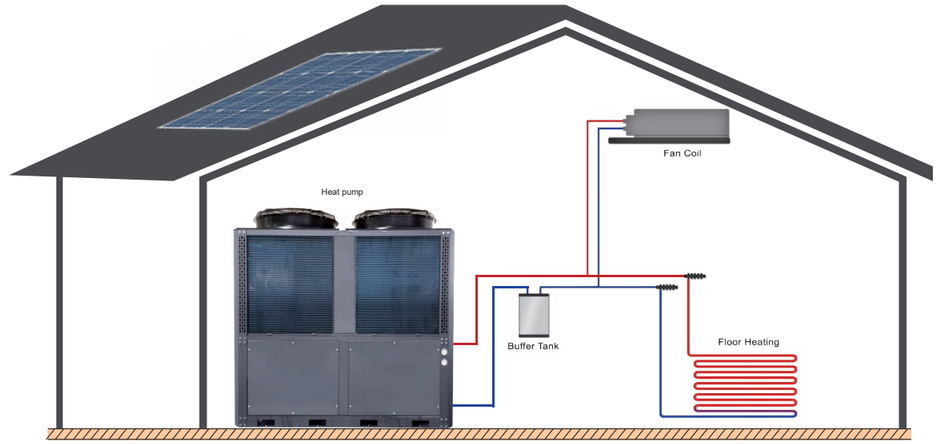
Heating / Cooling / DHW / Commercial Type



Features

- R410A refrigerant, environmental friendly
- Higher water temperature output up to 55 ºC
- Adopt EVI technology, the operation ambient temperature can reach at -25 ºC
- High pressure protection
- Defrost automatically
- With MODBUS communication
- Adapt intelligent controller, full automatically operation
- Through different installation, the system can be used for cooling or heating





Heat Pumps in Action: Various Application Scenarios

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

Model		**DLN-050TA1**	**DLN-100TA1**	**DLN-200TA1**	**DLN-400TA1**
Power supply	V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Heating Capacity at Air 7°C/6°C, Water 30°C in, 35°C out					
Heating Capacity	kW	45	90	180	350
Power Input	kW	10.3	20.8	42	81.4
COP		4.36	4.32	4.25	4.30
Heating Capacity at Air 7°C/6°C, Water 50°C in, 55°C out					
Heating Capacity	kW	36	67	167	328
Power Input	kW	15.5	25.48	56.7	113.9
COP		2.32	2.63	2.95	2.88
Heating Capacity at Air -12°C/-14°C, Water 50°C in, 55°C out					
Heating Capacity	kW	24	40	107	205
Power Input	kW	15.4	25	54	104.6
COP		1.55	1.60	1.98	1.96
Cooling Capacity at Air 35°C/24°C, Water 12°C in, 7°C out					
Cooling Capacity	kW	30	60	140	268
Power Input	kW	11.9	22.9	43.8	87.9
EER		2.53	2.62	3.19	3.05
Max Power Input	kW	16.8	36.5	70.1	145.0
Max Current	A	31.5	63.3	132.5	260.0
Compressor quantity		1	2	2	4
Expansion Valve	mm	Saginomiya/EEV	Saginomiya/EEV	Danfoss/EEV	Danfoss/EEV
Air Flow Direction		Vertical	Vertical	Vertical	Vertical
Water Flow Volume	m^3/h	8	16	32	60
Water Pressure Drop	kPa	50	50	48	50
Dimensions(L*W*H)	mm	1252*1076*1870	2198*1096*2176	2300*1150*2400	2800*2200*2450
Working temperature range	℃	-25 ~ 48	-25 ~ 48	-25 ~ 48	-25 ~ 48
Noise	dB(A)	≤62	≤67	≤70	≤76
IP class		IPX4	IPX4	IPX4	IPX4
Net Weight	kg	450	800	1330	2186
Water connection	mm	DN 40	DN 50	Flange DN 80	Flange DN 100

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

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 efficieny
- 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.

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

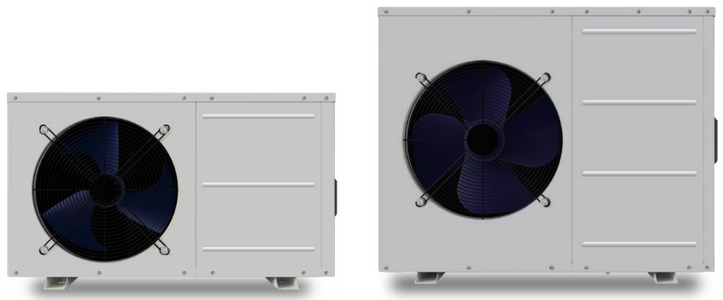
T E C H N I C A L　D A T A

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.

SANITARY WATER HEATER

Hot Water



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.

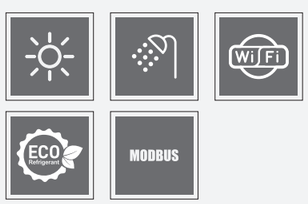
SPLIT TYPE

Heat Pump Water Heater



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

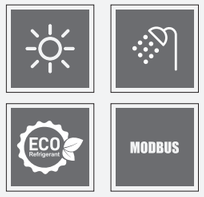
Model	KFDC-70/150A	KFDC-70/200A	KFDC-100/200A	KFDC-100/300A
Heating capacity (W)	3250	3250	4800	4800
Hot water yield (L/h)	70	70	100	100
Heating Capacity at Air 20°C/15°C, Water Temperature from 15°C to 55°C				
Input power (W)	814	814	1136	1136
Rated current (A)	3.9	3.9	5.3	5.3
Max. input power (W)	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

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

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.

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.

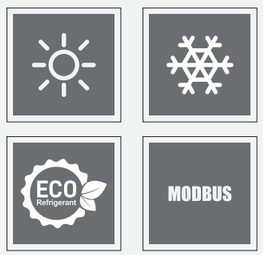
TRADITIONAL ABS

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.

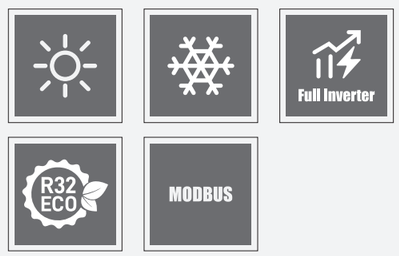
INVER-WAVE

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.

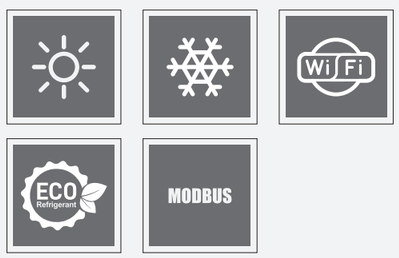
TRADITIONAL METAL

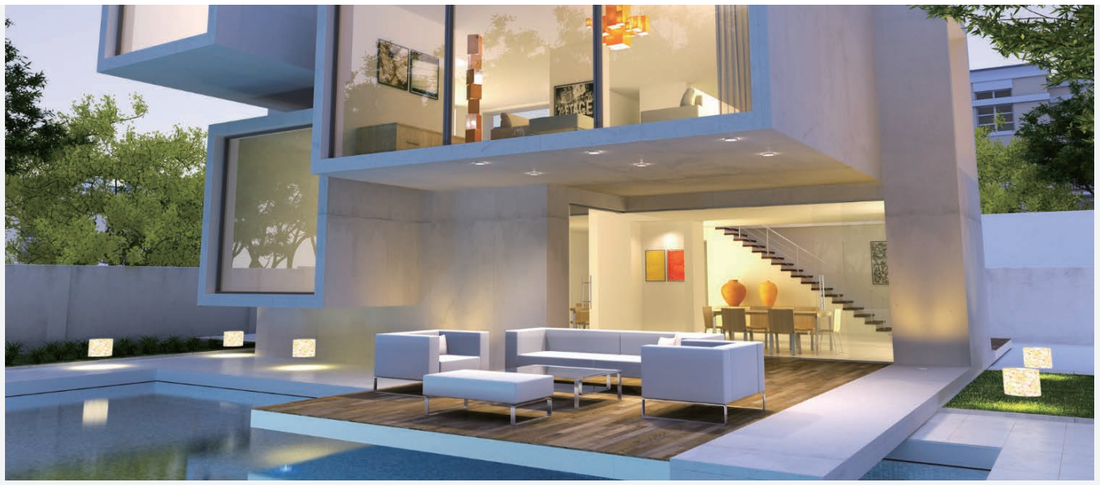
Swimming Pool Heat Pump



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

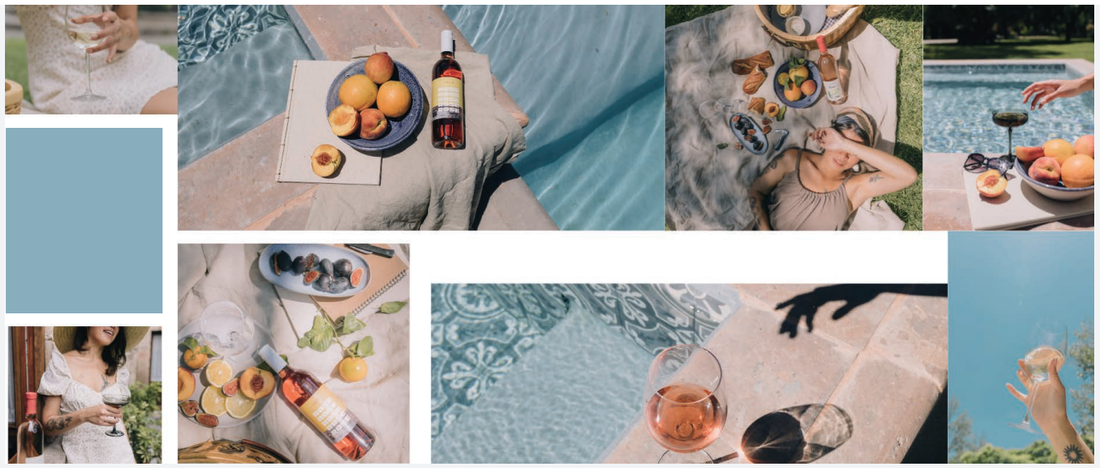
Swimming Pool Heat Pump



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

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

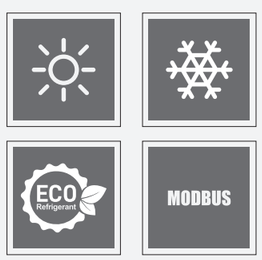
COMMERCIAL MAX

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.

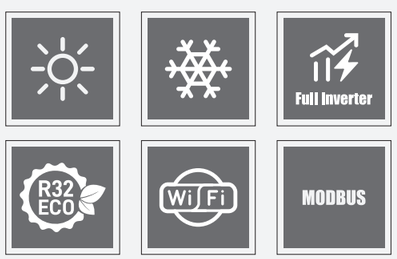
INVER-MAX

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°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

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