



Company profile

Zhejiang Jiadele Technology Co., Ltd. Established in 2000, who has been focusing on the hot water industry for 23 years. Our company currently has solar water heater business department and air source heat pump business department. Solar Water Heater Department has two advanced production lines, the main products are solar water heaters and solar collectors, annual output of 300,000 sets. Air Source Heat Pump Department specializes in the production of household/ commercial hot water air source heat pumps, northern heating air source heat pumps, household/ commercial swimming pool heat pumps, household/ commercial cooling and heating heat pumps, cooling and Heating and DHW heat pumps, all in one heat pumps etc., annual output of 100,000 sets.

Our company provides solutions for customers in household/ commercial hot water, heating, heating and cooling systems projects, and is a national high-tech enterprise specializing in researching and development, production and marketing of solar water heaters and air source products. Our registered capital is 108 million rmb, the building area is 38,000 square meters, the annual sales value is more than 300 million rmb, 80% products are exported to more than 50 countries in the world. Jiadele foreign trade sales ranked No. 1 in the National Solar Industry from 2015. These years, Jiadele solar water heater department has passed EU mandatory CE certification, EU SolarKey-mark12975/12976 certification, USA SRCC certification and Korea KS certification etc. Air Source Heat Pump Department has passed the national compulsory 3C certification, EU mandatory CE certification, EU ROHS certification, Australia SAA certification and other national compulsory certification. And our company obtained ISO-9001:2015 quality management system certification, ISO14001:2015 environmental management system certification and ISO45001:2018 occupational health and safety management system certification.

With the goal of "hot water life expert", our company constantly applies new materials and new technologies to ensure the perfect enjoyment of "JiaDeLe" excellent quality and make our contribution to energy saving and emission reduction.

Zhejiang Jiadele Technology Co., Ltd

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ecofuture®

**ZHEJIANG JIADELE
TECHNOLOGY CO.,LTD**

www.jdlheatpump.com



FEATURES AND FUNCTIONS

01 Three Intelligent Modes: Overclocking Mode, Smart Mode, Silent Mode

Three-mode intelligent control for a personalized bathing experience! ECOFUTURE swimming pool heat pumps ensure every degree of water temperature is just right. Overclocking Rapid Heating, Smart Energy Saving, Silent Comfort – Your spa housekeeper is here!



02 Remote Control / Seamless Operation

Your phone is the remote! ECOFUTURE WiFi-enabled smart swimming pool heat pumps allow you to adjust the temperature with one tap from anywhere, so you can enjoy ideal water temperatures the moment you return home.

ECOFUTURE WiFi smart connectivity lets you control water temperature, modes, and energy consumption from your couch – elegance without the hassle.

Remote control + energy consumption monitoring + fault alerts – ECOFUTURE's WiFi smart system makes pool management easier than scrolling through your phone!



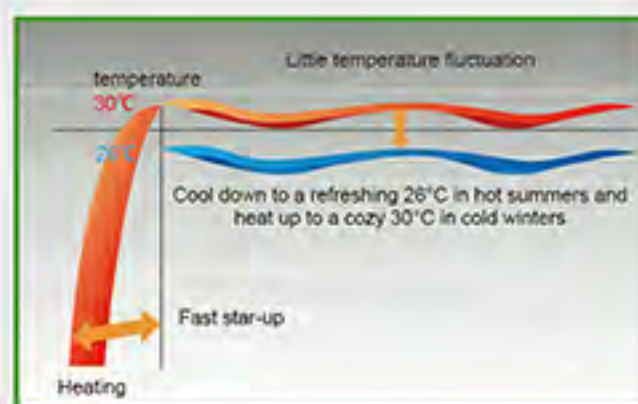
03 Year-Round Swimming, One Machine Does It All

Warm in winter, cool in summer, spring-like all year round! ECOFUTURE dual-mode swimming pool heat pumps enable one-touch switching between heating and cooling modes, ensuring 365 days of uninterrupted swimming. Your private pool never takes a day off!



04 Precision Temperature Control for Ultimate Comfort

An intelligent constant-temperature system with $\pm 0.5^{\circ}\text{C}$ precision! Cool down to a refreshing 26°C in hot summers and heat up to a cozy 30°C in cold winters – the water temperature is always exactly as you desire.



Compressor

World Famous Brand special compressor for heat pump, DC frequency conversion, Enhanced Vapor Injection, more than 30% energy saving, combined with self-developed PWM and fuzzy control technology, refined temperature control, 15% lower noise than the common domestic brand.



Controller

ECOFUTURE independent control logic and intellectual property protection, the system control is more stable and smooth, the electronic control hardware of the unit conforms to explosion-proof, and it is safer when powered on. English touch screen display.



DC motor

explosion-proof brushless DC motor, safety protection class F, protection class IP24, insulation class CLASSI. Compared with ordinary motor, the efficiency is improved by more than 30%; the motor can run continuously and stably in high temperature and high humidity environment, in the range of $-40^{\circ}\text{C} \sim 60^{\circ}\text{C}$.



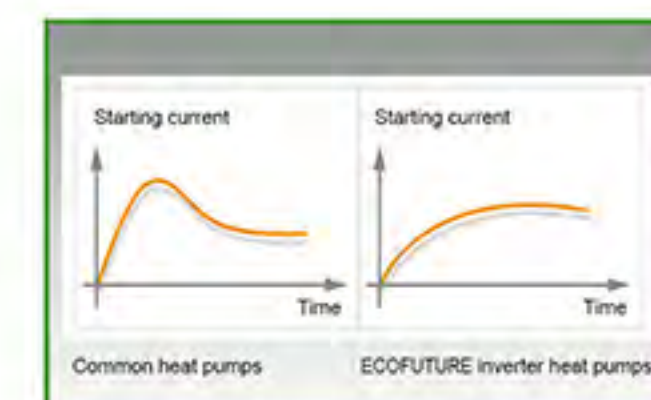
Dual-Coil Titanium Heat Exchanger

Compared to conventional single-coil heat exchangers, ECOFUTURE's patented dual-coil titanium heat exchanger expands the heat transfer surface area, enhancing efficiency by providing sufficient contact area for optimal performance.



05 Dual Energy Efficiency: Save Electricity and Effort

Dual heating/cooling modes, half the energy consumption! ECOFUTURE heat pumps utilize inverter energy-saving technology, reducing electricity usage by 30% in summer and increasing heating efficiency by 50% in winter. Enjoyment ≠ waste!



06 Premium Quality, Worry-Free Experience

The standard for villa-grade swimming pools! Featuring a full titanium anti-corrosion heat exchanger, it operates stably in extreme temperatures from -15°C to 45°C . 10 years of durability, after-sales worry-free.



07 Silent operation, Quiet enjoyment

Quiet in both cooling and heating! With ultra-low noise levels as low as 40 dB, it won't disturb your sleep at night or disrupt gatherings, only the gentle company of water waves.



08 Patented Appearance

Every product is meticulously designed through industrial modeling, with a strong visual impact on the appearance of the product, full of technology, leading fashion, diversified colors, personalized, and adapting to the different hobbies of customers.



MOBILE APP
CONTROL



SATISFY DIFFERENT
DEMANDS



TIMER SETTING



ONE TOUCH
FUNCTION



WEATHER
FORECAST



ENERGY
CONSUMPTION

DC INVERTER HOUSEHOLD SWIMMING POOL HEAT PUMP

make professional solution for dehumidification and constant temperature

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DC INVERTER INTELLIGENT POOL HEAT PUMP MODERN R32 SERIES

Model	JDLKRY-08FE1-4	JDLKRY-13FE1-4	JDLKRY-16FE1-4	JDLKRY-20FE2-3	JDLKRY-25FE1-3
Recommended Pool Volume	M³ 24.50	28.56	36.70	43.90	58.115
Power supply	V/Ph/Hz 208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ
Refrigerant	R32				
Operating Environment Temperature	-15-43				
Max. Outlet Water Temperature	42				
Min. Outlet Water Temperature	8				
Heating Capacity	KW 4.9-15	6.2-18.1	7.21	8.8-24.5	12.1-33.1
	BTU 16713-51165	21148-61740	23877-71630	30016-83570	41273-112900
Standard Heating Condition	(Air 27°C/Water 26°C/Humid.80%)				
Standard Heating Capacity	KW 13.3	15.8	19.7	23.5	31.5
	BTU 45360	53890	67190	80150	107440
Standard Heating Power	KW 2.33	2.79	3.46	4.12	5.5
Standard Heating Current	A 10.23	12.3	15.2	18.1	24.2
COP	W/W 5.72	5.67	5.7	5.71	5.72
Rated Heating Condition	(Air 15°C/Water 26°C/Humid.70.8%)				
Rated Heating Capacity	KW 9.8	11.7	14.6	17.4	23.3
	BTU 33420	39900	49800	59350	79470
Rated Heating Power	KW 2.18	2.6	3.27	3.87	5.2
Rated Heating Current	A 9.57	11.42	14.4	16.99	22.85
COP	W/W 4.5	4.5	4.47	4.5	4.48
Rated Cooling Condition	(Air 35°C/Water 30°C/Humid.40.3%)				
Rated Cooling Capacity	KW 6.86	8.3	10.4	12.5	16.7
	BTU 23400	28310	35470	42630	56960
Rated Cooling Power	KW 2.08	2.44	3.04	4.55	5.96
Rated Cooling Current	A 9.13	10.71	13.35	19.98	26.17
EEP	W/W 3.3	3.4	3.42	2.75	2.8
Max. Current	A 12.3	15.4	19.8	19.8	26.4
Water pipe connection	MM 50/48.3	50/48.3	50/48.3	50/48.3	50/48.3
Water Flow	M³ 4.2	5.1	6.38	7.63	10.2
Water Side Pressure Resistance	KPA 7	9	11	12	13
Protection Level	IPX4	IPX4	IPX4	IPX4	IPX4
Motor	CD				
Throttle Device	Electronic Expansion Valve				
Heat Exchanger	PVC Titanium Alloy Heat Exchanger				
Noise	(dBA) 48	50	52	55	56
Net dimension	MM 1019*461*698	1019*461*698	1019*461*698	1270*550*863	1270*550*863
Packing dimension	MM 1095*480*824	1095*480*824	1095*480*824	1346*570*989	1346*570*989

DC INVERTER INTELLIGENT POOL HEAT PUMP MODERN R290 SERIES

Model	JDLKRY-08FE1-7	JDLKRY-13FE1-7	JDLKRY-16FE1-7	JDLKRY-20FE2-6	JDLKRY-25FE1-6
Recommended Pool Volume	M³ 24.50	28.56	36.70	43.90	58.115
Power supply	V/Ph/Hz 208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ
Refrigerant	R290				
Operating Environment Temperature	-15-43				
Max. Outlet Water Temperature	42				
Min. Outlet Water Temperature	8				
Heating Capacity	KW 4.9-15	6.2-18.1	7.21	8.8-24.5	12.1-33.1
	BTU 16713-51165	21148-61740	23877-71630	30016-83570	41273-112900
Standard Heating Condition	(Air 27°C/Water 26°C/Humid.80%)				
Standard Heating Capacity	KW 13.3	15.8	19.7	23.5	31.5
	BTU 45360	53890	67190	80150	107440
Standard Heating Power	KW 2.33	2.79	3.46	4.12	5.5
Standard Heating Current	A 10.23	12.3	15.2	18.1	24.2
COP	W/W 5.72	5.67	5.7	5.71	5.72
Rated Heating Condition	(Air 15°C/Water 26°C/Humid.70.8%)				
Rated Heating Capacity	KW 9.8	11.7	14.6	17.4	23.3
	BTU 33420	39900	49800	59350	79470
Rated Heating Power	KW 2.18	2.6	3.27	3.87	5.2
Rated Heating Current	A 9.57	11.5	14.5	17.1	22.9
COP	W/W 4.5	4.5	4.47	4.5	4.48
Rated Cooling Condition	(Air 35°C/Water 30°C/Humid.40.3%)				
Rated Cooling Capacity	KW 6.86	8.3	10.4	12.5	16.7
	BTU 23400	28310	35470	42630	56960
Rated Cooling Power	KW 2.08	2.44	3.04	4.55	5.96
Rated Cooling Current	A 9.13	10.71	13.35	19.98	26.17
EEP	W/W 3.3	3.4	3.42	2.75	2.8
Max. Current	A 12.3	15.4	19.8	19.8	26.4
Water pipe connection	MM 50/48.3	50/48.3	50/48.3	50/48.3	50/48.3
Water Flow	M³ 4.2	5.1	6.38	7.63	10.2
Water Side Pressure Resistance	KPA 7	9	11	12	13
Protection Level	IPX4	IPX4	IPX4	IPX4	IPX4
Motor	CD				
Throttle Device	Electronic Expansion Valve				
Heat Exchanger	PVC Titanium Alloy Heat Exchanger				
Noise	(dBA) 48	50	52	55	56
Net dimension	MM 1019*461*698	1019*461*698	1019*461*698	1270*550*863	1270*550*863
Packing dimension	MM 1095*480*824	1095*480*824	1095*480*824	1346*570*989	1346*570*989

DC INVERTER HOUSEHOLD SWIMMING POOL HEAT PUMP

make professional solution for dehumidification and constant temperature

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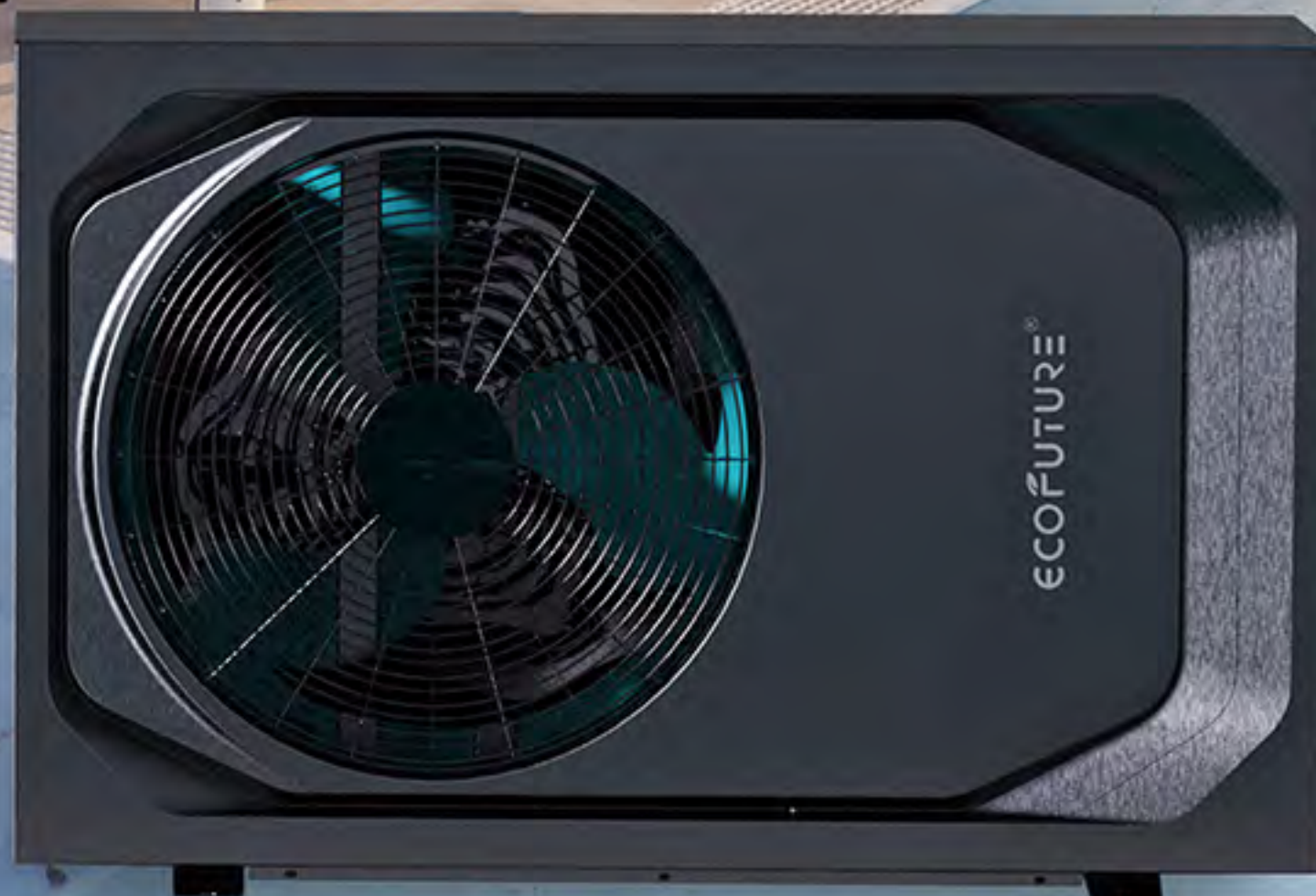
DC INVERTER INTELLIGENT POOL HEAT PUMP STARLIGHT R32 SERIES						
Model		JDLKRY-08FE1-3	JDLKRY-13FE1-3	JDLKRY-16FE1-3	JDLKRY-20FE2-2	JDLKRY-25FE1-2
Recommended Pool Volume	M³	24-50	28-56	36-70	43-90	58-115
Power supply	V/Ph/Hz	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ
Refrigerant		R32				
Operating Environment Temperature	°C	-15-43				
Max. Outlet Water Temperature	°C	42				
Min. Outlet Water Temperature	°C	8				
Heating Capacity	KW	4.9-15	6.2-18.5	7-21.3	8.8-25	12.1-33.8
	BTU	16713-51165	21148-63100	23877-72650	30016-82575	41273-115292
Standard Heating Condition		(Air 27°C/Water 26°C/Humid.80%)				
Standard Heating Capacity	KW	13.3	16	20.2	24.1	32.2
	BTU	45360	54576	68900	82200	109830
Standard Heating Power	KW	2.33	2.83	3.54	4.21	5.61
Standard Heating Current	A	10.23	12.43	15.55	18.49	24.64
COP	W/W	5.72	5.68	5.7	5.72	5.74
Rated Heating Condition		(Air 15°C/Water 26°C/Humid.70.8%)				
Rated Heating Capacity	KW	9.8	11.9	14.8	17.8	23.8
	BTU	33420	40590	50480	60710	81180
Rated Heating Power	KW	2.18	2.64	3.3	3.93	5.24
Rated Heating Current	A	9.57	11.6	14.5	17.3	23
COP	W/W	4.5	4.5	4.48	4.51	4.52
Rated Cooling Condition		(Air 35°C/Water 30°C/Humid.40.3%)				
Rated Cooling Capacity	KW	6.86	8.3	10.4	12.5	16.7
	BTU	23400	28310	35470	42630	56960
Rated Cooling Power	KW	2.08	2.44	3.04	4.55	5.96
Rated Cooling Current	A	9.13	10.71	13.35	19.98	26.17
EEP	W/W	3.3	3.4	3.42	2.75	2.8
Max. Current	A	12.3	15.4	19.8	19.8	26.4
Water pipe connection	MM	50/48.3	50/48.3	50/48.3	50/48.3	50/48.3
Water Flow	M³	4.2	5.1	6.38	7.63	10.2
Water Side Pressure Resistance	KPA	7	9	11	12	13
Protection Level		IPX4	IPX4	IPX4	IPX4	IPX4
Motor		CD				
Throttle Device		Electronic Expansion Valve				
Heat Exchanger		PVC Titanium Alloy Heat Exchanger				
Noise	(dBA)	49	51	53	56	57
Net dimension	MM	934*460*689	934*460*689	934*460*689	1186*550*852	1186*550*852
Packing dimension	MM	1010*480*815	1010*480*815	1010*480*815	1254*570*962	1254*570*962

DC INVERTER INTELLIGENT POOL HEAT PUMP STARLIGHT R290 SERIES						
Model		JDLKRY-08FE1-6	JDLKRY-13FE1-6	JDLKRY-16FE1-6	JDLKRY-20FE2-5	JDLKRY-25FE1-5
Recommended Pool Volume	M³	24-50	28-56	36-70	43-90	58-115
Power supply	V/Ph/Hz	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ
Refrigerant		R290				
Operating Environment Temperature	°C	-15-43				
Max. Outlet Water Temperature	°C	42				
Min. Outlet Water Temperature	°C	8				
Heating Capacity	KW	4.9-15	6.2-18.5	7-21.3	8.8-25	12.1-33.8
	BTU	16713-51165	21148-63100	23877-72650	30016-82575	41273-115292
Standard Heating Condition		(Air 27°C/Water 26°C/Humid.80%)				
Standard Heating Capacity	KW	13.3	16	20.2	24.1	32.2
	BTU	45360	54576	68900	82200	109830
Standard Heating Power	KW	2.33	2.83	3.54	4.21	5.61
Standard Heating Current	A	10.23	12.43	15.55	18.49	24.64
COP	W/W	5.72	5.68	5.7	5.72	5.74
Rated Heating Condition		(Air 15°C/Water 26°C/Humid.70.8%)				
Rated Heating Capacity	KW	9.8	11.9	14.8	17.8	23.8
	BTU	33420	40590	50480	60710	81180
Rated Heating Power	KW	2.18	2.64	3.3	3.93	5.24
Rated Heating Current	A	9.57	11.6	14.5	17.3	23
COP	W/W	4.5	4.5	4.48	4.51	4.52
Rated Cooling Condition		(Air 35°C/Water 30°C/Humid.40.3%)				
Rated Cooling Capacity	KW	6.86	8.3	10.4	12.5	16.7
	BTU	23400	28310	35470	42630	56960
Rated Cooling Power	KW	2.08	2.44	3.04	4.55	5.96
Rated Cooling Current	A	9.13	10.71	13.35	19.98	26.17
EEP	W/W	3.3	3.4	3.42	2.75	2.8
Max. Current	A	12.3	15.4	19.8	19.8	26.4
Water pipe connection	MM	50/48.3	50/48.3	50/48.3	50/48.3	50/48.3
Water Flow	M³	4.2	5.1	6.38	7.63	10.2
Water Side Pressure Resistance	KPA	7	9	11	12	13
Protection Level		IPX4	IPX4	IPX4	IPX4	IPX4
Motor		CD				
Throttle Device		Electronic Expansion Valve				
Heat Exchanger		PVC Titanium Alloy Heat Exchanger				
Noise	(dBA)	49	51	53	56	57
Net dimension	MM	934*460*689	934*460*689	934*460*689	1186*550*852	1186*550*852
Packing dimension	MM	1010*480*815	1010*480*815	1010*480*815	1254*570*962	1254*570*962

DC INVERTER HOUSEHOLD SWIMMING POOL HEAT PUMP

make professional solution for dehumidification and constant temperature

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DC INVERTER INTELLIGENT POOL HEAT PUMP TRANSFORMER R32 SERIES

Model		JDLKRY-08FE1-2	JDLKRY-13FE1-2	JDLKRY-16FE1-2
Recommended Pool Volume	M³	24-50	28-56	36-70
Power supply	V/Ph/Hz	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ
Refrigerant		R32		
Operating Environment Temperature	°C	-15-43		
Max. Outlet Water Temperature	°C	42		
Min. Outlet Water Temperature	°C	8		
Heating Capacity	KW	4.9-15	6.2-18.5	7-21.3
	BTU	16713-51165	21148-63100	23877-72650
Standard Heating Condition		(Air 27°C/Water 26°C/Humid.80%)		
Standard Heating Capacity	KW	13.3	16.1	20.2
	BTU	45360	54920	68900
Standard Heating Power	KW	2.33	2.83	3.54
Standard Heating Current	A	10.23	12.43	15.55
COP	W/W	5.72	5.68	5.71
Rated Heating Condition		(Air 15°C/Water 26°C/Humid.70.8%)		
Rated Heating Capacity	KW	9.8	11.9	14.9
	BTU	33420	40590	50820
Rated Heating Power	KW	2.18	2.64	3.3
Rated Heating Current	A	9.57	11.6	14.5
COP	W/W	4.5	4.5	4.51
Rated Cooling Condition		(Air 35°C/Water 30°C/Humid.40.3%)		
Rated Cooling Capacity	KW	6.86	8.3	10.4
	BTU	23400	28310	35470
Rated Cooling Power	KW	2.08	2.44	3.04
Rated Cooling Current	A	9.13	10.71	13.35
EEP	W/W	3.3	3.4	3.42
Max. Current	A	12.3	15.4	19.8
Water pipe connection	MM	50/48.3	50/48.3	50/48.3
Water Flow	M³	4.2	5.1	6.38
Water Side Pressure Resistance	KPA	7	9	11
Protection Level		IPX4	IPX4	IPX4
Motor		CD		
Throttle Device		Electronic Expansion Valve		
Heat Exchanger		PVC Titanium Alloy Heat Exchanger		
Noise	(dBA)	48	50	52
Net dimension	MM	930*382*679	930*382*679	930*382*679
Packing dimension	MM	1005*447*805	1005*447*805	1005*447*805

DC INVERTER INTELLIGENT POOL HEAT PUMP TRANSFORMER R290 SERIES

Model		JDLKRY-08FE1-5	JDLKRY-13FE1-5	JDLKRY-16FE1-5
Recommended Pool Volume	M³	24-50	28-56	36-70
Power supply	V/Ph/Hz	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ
Refrigerant		R290		
Operating Environment Temperature	°C	-15-43		
Max. Outlet Water Temperature	°C	42		
Min. Outlet Water Temperature	°C	8		
Heating Capacity	KW	4.9-15	6.2-18.5	7-21.3
	BTU	16713-51165	21148-63100	23877-72650
Standard Heating Condition		(Air 27°C/Water 26°C/Humid.80%)		
Standard Heating Capacity	KW	13.3	16.1	20.2
	BTU	45360	54910	68900
Standard Heating Power	KW	2.33	2.83	3.54
Standard Heating Current	A	10.23	12.43	15.55
COP	W/W	5.72	5.68	5.71
Rated Heating Condition		(Air 15°C/Water 26°C/Humid.70.8%)		
Rated Heating Capacity	KW	9.8	11.9	14.9
	BTU	33400	40590	50820
Rated Heating Power	KW	2.18	2.64	3.3
Rated Heating Current	A	9.57	11.6	14.5
COP	W/W	4.5	4.5	4.51
Rated Cooling Condition		(Air 35°C/Water 30°C/Humid.40.3%)		
Rated Cooling Capacity	KW	6.86	8.3	10.4
	BTU	23400	28310	35470
Rated Cooling Power	KW	2.08	2.44	3.04
Rated Cooling Current	A	9.13	10.71	13.35
EEP	W/W	3.3	3.4	3.42
Max. Current	A	12.3	15.4	19.8
Water pipe connection	MM	50/48.3	50/48.3	50/48.3
Water Flow	M³	4.2	5.1	6.38
Water Side Pressure Resistance	KPA	7	9	11
Protection Level		IPX4	IPX4	IPX4
Motor		CD		
Throttle Device		Electronic Expansion Valve		
Heat Exchanger		PVC Titanium Alloy Heat Exchanger		
Noise	(dBA)	48	50	52
Net dimension	MM	930*382*679	930*382*679	930*382*679
Packing dimension	MM	1005*447*805	1005*447*805	1005*447*805

DC INVERTER HOUSEHOLD SWIMMING POOL HEAT PUMP

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DC INVERTER INTELLIGENT POOL HEAT PUMP GOLDEN CUP R32 SERIES

Model		JDLKRY-20FE2-1	JDLKRY-25FE1-1
Recommended Pool Volume	M³	43-90	58-115
Power supply	V/Ph/Hz	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ
Refrigerant		R32	
Operating Environment Temperature	°C	-15-43	
Max. Outlet Water Temperature	°C	42	
Min. Outlet Water Temperature	°C	8	
Heating Capacity	KW	8.8-25	12.1-33.8
	BTU	30016-82575	41273-115292
Standard Heating Condition		(Air 27°C/Water 26°C/Humid.80%)	
Standard Heating Capacity	KW	24.1	32.2
	BTU	82200	109830
Standard Heating Power	KW	4.21	5.61
Standard Heating Current	A	18.49	24.64
COP	W/W	5.72	5.74
Rated Heating Condition		(Air 15°C/Water 26°C/Humid.70.8%)	
Rated Heating Capacity	KW	17.8	23.8
	BTU	60710	81180
Rated Heating Power	KW	3.93	5.24
Rated Heating Current	A	17.3	23
COP	W/W	4.53	4.54
Rated Cooling Condition		(Air 35°C/Water 30°C/Humid.40.3%)	
Rated Cooling Capacity	KW	12.5	16.7
	BTU	42630	56960
Rated Cooling Power	KW	4.55	5.96
Rated Cooling Current	A	19.98	26.17
EEP	W/W	2.75	2.8
Max. Current	A	19.8	26.4
Water pipe connection	MM	50/48.3	50/48.3
Water Flow	M³	7.63	10.2
Water Side Pressure Resistance	KPA	12	13
Protection Level		IPX4	IPX4
Motor		Electronic Expansion Valve	
Throttle Device		PVC Titanium Alloy Heat Exchanger	
Heat Exchanger			
Noise	(dBA)	55	56
Net dimension	MM	1182*471*842	1182*471*842
Packing dimension	MM	1250*540*952	1250*540*952

DC INVERTER INTELLIGENT POOL HEAT PUMP GOLDEN CUP R290 SERIES

Model		JDLKRY-20FE2-4	JDLKRY-25FE1-4
Recommended Pool Volume	M³	43-90	58-115
Power supply	V/Ph/Hz	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ
Refrigerant		R290	
Operating Environment Temperature	°C	-15-43	
Max. Outlet Water Temperature	°C	42	
Min. Outlet Water Temperature	°C	8	
Heating Capacity	KW	8.8-25	12.1-33.8
	BTU	30016-82575	41273-115292
Standard Heating Condition		(Air 27°C/Water 26°C/Humid.80%)	
Standard Heating Capacity	KW	24.1	32.2
	BTU	82200	109830
Standard Heating Power	KW	4.21	5.61
Standard Heating Current	A	18.49	24.64
COP	W/W	5.72	5.74
Rated Heating Condition		(Air 15°C/Water 26°C/Humid.70.8%)	
Rated Heating Capacity	KW	17.8	23.8
	BTU	60710	81180
Rated Heating Power	KW	3.93	5.24
Rated Heating Current	A	17.3	23
COP	W/W	4.53	4.54
Rated Cooling Condition		(Air 35°C/Water 30°C/Humid.40.3%)	
Rated Cooling Capacity	KW	12.5	16.7
	BTU	42630	56960
Rated Cooling Power	KW	4.55	5.96
Rated Cooling Current	A	19.98	26.17
EEP	W/W	2.75	2.8
Max. Current	A	19.8	26.4
Water pipe connection	MM	50/48.3	50/48.3
Water Flow	M³	7.63	10.2
Water Side Pressure Resistance	KPA	12	13
Protection Level		IPX4	IPX4
Motor		Electronic Expansion Valve	
Throttle Device		PVC Titanium Alloy Heat Exchanger	
Heat Exchanger			
Noise	(dBA)	55	56
Net dimension	MM	1182*471*842	1182*471*842
Packing dimension	MM	1250*540*952	1250*540*952

DC INVERTER HOUSEHOLD SWIMMING POOL HEAT PUMP

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Full Inverter

1、Full Inverter Technology

With full inverter technology, pool water temperature will be maintained or can be controlled to as precise as 0.2°C difference to target temperature.

2、Compared to normal compressor, GMCC compressor can raise energy saving performance up to 30% higher.

3、Stable running

4、Low noise level

5、Available with R32

APP& WiFi Control

Via connection by Wi-Fi and 4G, you can take full control of your swimming pool heat pump from anywhere in your home or office with a single app on your smart phone.



DC INVERTER INTELLIGENT POOL HEAT PUMP STAR RIVER R32 SERIES

Model		JDLKRY-05FE1-1	JDLKRY-8FE1-1	JDLKRY-13FE1-1	JDLKRY-16FE1-1
Recommended Pool Volume	M ³	10-21	15-31	22-45	27-56
Power supply	V/Ph/Hz	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ
Refrigerant		R32			
Operating Environment Temperature	°C	-15-43			
Max. Outlet Water Temperature	°C	42			
Min. Outlet Water Temperature	°C	8			
Heating Capacity	KW	1.5-7	2.2-10.2	3.1-13.5	3.9-17
	BTU	5116-23870	7504-34792	10574-46048	13300-57987
Standard Heating Condition		(Air 27°C/Water 26°C/Humid.80%)			
Standard Heating Capacity	KW	6	8.6	12	15.2
	BTU	20466	29330	40932	51850
Standard Heating Power	KW	0.95	1.18	1.65	2.3
Standard Heating Current	A	4.3	5.4	7.5	10.5
COP	W/W	6.3	7.3	7.3	6.6
Rated Heating Condition		(Air 15°C/Water 26°C/Humid.70.8%)			
Rated Heating Capacity	KW	4.5	6.4	8.8	11
	BTU	15340	21830	30016	37521
Rated Heating Power	KW	0.98	1.25	1.73	2.34
Rated Heating Current	A	4.5	5.7	7.9	10.6
COP	W/W	4.6	5.1	5.1	4.7
Rated Cooling Condition		(Air 35°C/Water 30°C/Humid.40.3%)			
Rated Cooling Capacity	KW	4.3	5.4	7.6	8
	BTU	14660	18420	25920	27288
Rated Cooling Power	KW	1.3	1.7	2.3	3.1
Rated Cooling Current	A	5.9	7.7	10.5	14.1
EEP	W/W	3.3	3.2	3.3	2.6
Max. Current	A	6.8	10	11.8	15
Water pipe connection	MM	50/48.3	50/48.3	50/48.3	50/48.3
Water Flow	M ³	2.6	3.7	5.2	6.7
Water Side Pressure Resistance	KPA	4	6	8	12
Protection Level		IPX4	IPX4	IPX4	IPX4
Motor		CD			
Throttle Device		Electronic Expansion Valve			
Heat Exchanger		PVC Titanium Alloy Heat Exchanger			
Noise	(dBA)	47	50	52	54
Net dimension	MM	995*396*570	995*396*570	995*396*570	995*396*570
Packing dimension	MM				

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DC INVERTER INTELLIGENT POOL HEAT PUMP MODERN R454B SERIES					
Model	JDLKRY-08FE1-10	JDLKRY-13FE1-10	JDLKRY-16FE1-10	JDLKRY-20FE2-9	JDLKRY-25FE1-9
Recommended Pool Volume	M ³ 24-50	28-56	36-70	43-90	58-115
Power supply	V/Ph/Hz 208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ
Refrigerant	R454B				
Operating Environment Temperature	°C -15-43				
Max. Outlet Water Temperature	°C 42				
Min. Outlet Water Temperature	°C 8				
Heating Capacity	KW 4.9-15	6.2-18.1	7-21	8.8-24.5	12.1-33.1
	BTU 16713-51165	21148-61740	23877-71630	30016-83570	41273-112900
Standard Heating Condition	(Air 27°C/Water 26°C/Humid.80%)				
Standard Heating Capacity	KW 13.3	15.8	19.7	23.5	31.5
	BTU 45360	53890	67190	80150	107440
Standard Heating Power	KW 2.33	2.79	3.46	4.12	5.5
Standard Heating Current	A 10.23	12.3	15.2	18.1	24.2
COP	W/W 5.72	5.67	5.7	5.71	5.72
Rated Heating Condition	(Air 15°C/Water 26°C/Humid.70.8%)				
Rated Heating Capacity	KW 9.8	11.7	14.6	17.4	23.3
	BTU 33420	39900	49800	59350	79470
Rated Heating Power	KW 2.18	2.6	3.27	3.87	5.2
Rated Heating Current	A 9.57	11.5	14.4	17	22.9
COP	W/W 4.5	4.5	4.47	4.5	4.48
Rated Cooling Condition	(Air 35°C/Water 30°C/Humid.40.3%)				
Rated Cooling Capacity	KW 6.86	8.3	10.4	12.5	16.7
	BTU 23400	28310	35470	42630	56960
Rated Cooling Power	KW 2.08	2.44	3.04	4.55	5.96
Rated Cooling Current	A 9.13	10.71	13.35	19.98	26.17
EEP	W/W 3.3	3.4	3.42	2.75	2.8
Max. Current	A 12.3	15.4	19.8	19.8	26.4
Water pipe connection	MM 50/48.3	50/48.3	50/48.3	50/48.3	50/48.3
Water Flow	M ³ 4.2	5.1	6.38	7.63	10.2
Water Side Pressure Resistance	KPA 7	9	11	12	13
Protection Level	IPX4				
Motor	CD				
Throttle Device	Electronic Expansion Valve				
Heat Exchanger	PVC Titanium Alloy Heat Exchanger				
Noise	(dBA) 48	50	52	55	56
Net dimension	MM 1019*461*698	1019*461*698	1019*461*698	1270*550*863	1270*550*863
Packing dimension	MM 1095*480*824	1095*480*824	1095*480*824	1346*570*989	1346*570*989

DC INVERTER INTELLIGENT POOL HEAT PUMP STARLIGHT R454B SERIES					
Model	JDLKRY-08FE1-9	JDLKRY-13FE1-9	JDLKRY-16FE1-9	JDLKRY-20FE2-8	JDLKRY-25FE1-8
Recommended Pool Volume	M ³ 24-50	28-56	36-70	43-90	58-115
Power supply	V/Ph/Hz 208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ
Refrigerant	R454B				
Operating Environment Temperature	°C -15-43				
Max. Outlet Water Temperature	°C 42				
Min. Outlet Water Temperature	°C 8				
Heating Capacity	KW 4.9-15	6.2-18.5	7-21.3	8.8-25	12.1-33.8
	BTU 16713-51165	21148-63100	23877-72650	30016-82575	41273-115292
Standard Heating Condition	(Air 27°C/Water 26°C/Humid.80%)				
Standard Heating Capacity	KW 13.3	16	20.2	24.1	32.2
	BTU 45360	54576	68900	82200	109830
Standard Heating Power	KW 2.33	2.83	3.54	4.21	5.61
Standard Heating Current	A 10.23	12.43	15.55	18.49	24.64
COP	W/W 5.72	5.68	5.7	5.72	5.74
Rated Heating Condition	(Air 15°C/Water 26°C/Humid.70.8%)				
Rated Heating Capacity	KW 9.8	11.9	14.8	17.8	23.8
	BTU 33420	40590	50480	60710	81180
Rated Heating Power	KW 2.18	2.64	3.3	3.93	5.24
Rated Heating Current	A 9.57	11.6	14.5	17.3	23
COP	W/W 4.5	4.5	4.48	4.51	4.52
Rated Cooling Condition	(Air 35°C/Water 30°C/Humid.40.3%)				
Rated Cooling Capacity	KW 6.86	8.3	10.4	12.5	16.7
	BTU 23400	28310	35470	42630	56960
Rated Cooling Power	KW 2.08	2.44	3.04	4.55	5.96
Rated Cooling Current	A 9.13	10.71	13.35	19.98	26.17
EEP	W/W 3.3	3.4	3.42	2.75	2.8
Max. Current	A 12.3	15.4	19.8	19.8	26.4
Water pipe connection	MM 50/48.3	50/48.3	50/48.3	50/48.3	50/48.3
Water Flow	M ³ 4.2	5.1	6.38	7.63	10.2
Water Side Pressure Resistance	KPA 7	9	11	12	13
Protection Level	IPX4				
Motor	CD				
Throttle Device	Electronic Expansion Valve				
Heat Exchanger	PVC Titanium Alloy Heat Exchanger				
Noise	(dBA) 49	51	53	56	57
Net dimension	MM 934*460*689	934*460*689	934*460*689	1186*550*852	1186*550*852
Packing dimension	MM 1010*480*815	1010*480*815	1010*480*815	1254*570*962	1254*570*962

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DC INVERTER INTELLIGENT POOL HEAT PUMP TRANSFORMER R454B SERIES				
Model		JDLKRY-08FE1-8	JDLKRY-13FE1-8	JDLKRY-16FE1-8
Recommended Pool Volume	M ³	24-50	28-56	36-70
Power supply	V/Ph/Hz	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ
Refrigerant		R454B		
Operating Environment Temperature	°C	-15-43		
Max. Outlet Water Temperature	°C	42		
Min. Outlet Water Temperature	°C	8		
Heating Capacity	KW	4.9-15	6.2-18.5	7-21.3
	BTU	16713-51165	21148-63100	23877-72650
Standard Heating Condition		(Air 27°C/Water 26°C/Humid.80%)		
Standard Heating Capacity	KW	13.3	16.1	20.2
	BTU	45360	54920	68900
Standard Heating Power	KW	2.33	2.83	3.54
Standard Heating Current	A	10.23	12.43	15.55
COP	W/W	5.72	5.68	5.71
Rated Heating Condition		(Air 15°C/Water 26°C/Humid.70.8%)		
Rated Heating Capacity	KW	9.8	11.9	14.9
	BTU	33400	40590	50820
Rated Heating Power	KW	2.18	2.64	3.3
Rated Heating Current	A	9.57	11.6	14.5
COP	W/W	4.5	4.5	4.51
Rated Cooling Condition		(Air 35°C/Water 30°C/Humid.40.3%)		
Rated Cooling Capacity	KW	6.86	8.3	10.4
	BTU	23400	28310	35470
Rated Cooling Power	KW	2.08	2.44	3.04
Rated Cooling Current	A	9.13	10.71	13.35
EEP	W/W	3.3	3.4	3.42
Max. Current	A	12.3	15.4	19.8
Water pipe connection	MM	50/48.3	50/48.3	50/48.3
Water Flow	M ³	4.2	5.1	6.38
Water Side Pressure Resistance	KPA	7	9	11
Protection Level		IPX4		
Motor		CD		
Throttle Device		Electronic Expansion Valve		
Heat Exchanger		PVC Titanium Alloy Heat Exchanger		
Noise	(dBA)	48	50	52
Net dimension	MM	930*382*679	930*382*679	930*382*679
Packing dimension	MM	1005*447*805	1005*447*805	1005*447*805

DC INVERTER INTELLIGENT POOL HEAT PUMP GOLDEN CUP R454B SERIES				
Model		JDLKRY-20FE2-7	JDLKRY-25FE1-7	
Recommended Pool Volume	M ³	43-90	58-115	
Power supply	V/Ph/Hz	208-230V/1/50HZ/60HZ	208-230V/1/50HZ/60HZ	
Refrigerant		R454B		
Operating Environment Temperature	°C	-15-43		
Max. Outlet Water Temperature	°C	42		
Min. Outlet Water Temperature	°C	8		
Heating Capacity	KW	8.8-25	12.1-33.8	
	BTU	30016-82575	41273-115292	
Standard Heating Condition		(Air 27°C/Water 26°C/Humid.80%)		
Standard Heating Capacity	KW	24.1	32.2	
	BTU	82200	109830	
Standard Heating Power	KW	4.21	5.61	
Standard Heating Current	A	18.49	24.64	
COP	W/W	5.72	5.74	
Rated Heating Condition		(Air 15°C/Water 26°C/Humid.70.8%)		
Rated Heating Capacity	KW	17.8	23.8	
	BTU	60710	81180	
Rated Heating Power	KW	3.93	5.24	
Rated Heating Current	A	17.3	23	
COP	W/W	4.53	4.54	
Rated Cooling Condition		(Air 35°C/Water 30°C/Humid.40.3%)		
Rated Cooling Capacity	KW	12.5	16.7	
	BTU	42630	56960	
Rated Cooling Power	KW	4.55	5.96	
Rated Cooling Current	A	19.98	26.17	
EEP	W/W	2.75	2.8	
Max. Current	A	19.8	26.4	
Water pipe connection	MM	50/48.3	50/48.3	
Water Flow	M ³	7.63	10.2	
Water Side Pressure Resistance	KPA	12	13	
Protection Level		IPX4		
Motor		CD		
Throttle Device		Electronic Expansion Valve		
Heat Exchanger		PVC Titanium Alloy Heat Exchanger		
Noise	(dBA)	55	56	
Net dimension	MM	1182*471*842	1182*471*842	
Packing dimension	MM	1250*540*952	1250*540*952	

ON/OFF COMMERCIAL SWIMMING POOL HEAT PUMPS

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Centralized Control

ECOFUTURE EcoMaster Pool Heat Pump is designed with centralized control function that make temperature adjustment and failure review easier. By incorporating the master-slave control into the design, the whole units can work together with higher efficiency without interfered by any failure of the slave unit during operation.

1. Available with R32 and R410A
2. Reliable operation performance tested and approved by various inspection, such as transportation test, rain resistance test

Smart PCB

with a precise temperature control system makes the main board to operate at high speed. Meanwhile, the main board is designed with an interface which is beneficial for central control system of your pool.

Save Energy and Speed up Heating Time

The units can change the operating frequency of its compressors and fan motors automatically according to user's heating or cooling demand, achieving stepless and fast heating.

Intelligent Defrosting/Automatic defrosting function

The four-way valve defrosting technology can automatically start defrosting according to the ambient temperature, plus a specially designed chasis with two drainage holes, the unit always runs in high efficiency.

Compact structure, easy demountable for access.



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ON/OFF COMMERCIAL SWIMMING POOL HEAT PUMPS

Model		JDLKRY-20FE2	JDLKRY-25FE2	JDLKRY-50FE2	JDLKRY-100FE2
Recommended Pool Volume	M ³				
Power supply	V/Ph/Hz	380-415V/3/50HZ			
Refrigerant		R410A			
Operating Environment Temperature	°C	-7-43			
Max. Outlet Water Temperature	°C	42			
Min. Outlet Water Temperature	°C	8			
Standard Heating Condition		(Air 24°C/Water 26°C/Humid.63%)			
Standard Heating Capacity	KW	20	25	49	98
	BTU	68220	85275	167139	334278
Standard Heating Power	KW	3.1	4.4	8.6	17.3
Standard Heating Current	A	7	9.3	19.2	39
COP	W/W	6.5	5.7	5.7	5.7
Rated Heating Condition		(Air 15°C/Water 26°C/Humid.70.8%)			
Rated Heating Capacity	KW	16.7	21	42	84
	BTU	56960	71631	143262	286524
Rated Heating Power	KW	3.15	4.25	8.5	16.9
Rated Heating Current	A	7.1	9.2	19	37
COP	W/W	5.3	4.9	4.9	5
Rated Cooling Condition		(Air 35°C/Water 30°C/Humid.40.3%)			
Rated Cooling Capacity	KW	12.8	14.5	28	62
	BTU	43660	49450	95508	211482
Rated Cooling Power	KW	4.1	5.5	10.5	22
Rated Cooling Current	A	8.5	11	22	43
EEP	W/W	3.1	2.6	2.7	2.8
Max. Current	A	9	13	26	52
Water pipe connection	MM	40	40	50	80
Water Flow	M ³	8.6	10.8	21	42
Water Side Pressure Resistance	KPA	16	16	55	55
Protection Level		IPX4	IPX4	IPX4	IPX4
Motor		AC			
Throttle Device		Electronic Expansion Valve			
Heat Exchanger		PVC Titanium Alloy Heat Exchanger			
Noise	(dBA)	60	60	64	72
Net dimension	MM	750*750*1000	750*750*1000	1560*860*1100	2000*1000*2700
Packing dimension	MM				