

Solareast Heat Pump Ltd.

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Our mission:

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

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

For a viable future

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

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

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

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 TF1|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-200TF2	YT-250TF2
Power Supply			220~240V/1/50Hz			
Rated Heating Capacity (kW)	2.4	2.4	2.4	2.4	2.9	2.9
Refrigerant			R290			
Tapping Cycle	L	XL	L	XL	L	XL
Energy Efficient Class	A++	A++	A++	A++	A++	A++
Energy Efficient ηwh (%)	154.5	168.7	154.5	168.7	154.5	168.7
**COP (EN16147)	3.75	3.81	3.75	3.81	3.75	3.81
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*1750	Φ620*1950	Φ620*1672	Φ620*1937	600*600*1600	600*600*1830
Packed Dimension (L*W*H)(mm)	700*700*1930	700*700*2130	700*700*1790	700*700*2050	700*700*1770	700*700*2050
Net Weight(kg)	95	102	110	130	118	136
Gross Weight(kg)	113	120	125	145	137	155
Noise (dB(A))			46			

R134a

Model	YT-200TA1	YT-300TA1	YT-200TB1	YT-300TB1	YT-200TF1	YT-250TF1
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*1750	Φ620*1950	Φ620*1672	Φ620*1937	600*600*1600	600*600*1830
Packed Dimension (L*W*H)(mm)	700*700*1930	700*700*2130	700*700*1790	700*700*2050	700*700*1770	700*700*2050
Net Weight(kg)	95	102	110	130	118	136
Gross Weight(kg)	113	120	125	145	137	155
Noise (dB(A))			46			

** 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.

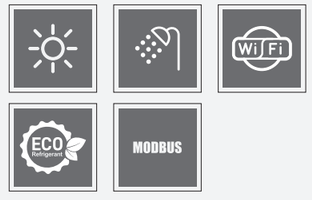
SIDE INLET AND SIDE OUTLET

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

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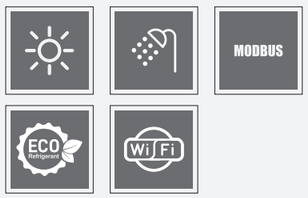
WALL MOUNTED WATER HEATER

With Horizontal/Vertical



Features

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





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					

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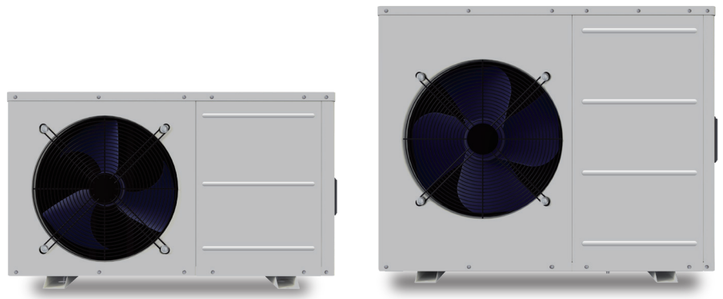
SANITARY WATER HEATER

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

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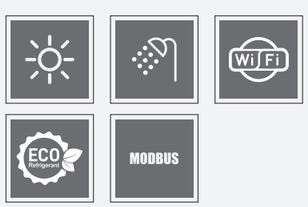
SPLIT TYPE

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

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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|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

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