

Refrigerant Cycle domestic air source heat pump water heater parameter

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Description:

It can supply hot water for factories, schools, hotels, office buildings, hospitals, commercial places.

Features:

- Domestic hot water at any time Economic & durable & stable running
- Famous brand rotaty compressor Low noise & vibration
- Refrigerant Gas cycle type Metal case, SUS 304 Stainless steel case
- Intelligent defrosting Automatically sterilize once a week with 70°C hot water
- Max water outlet temp 70°C

Model No.		DKXJTJ1.0-3.44I	DKXJTJ1.5-4.8I	DKXJTJ2.0-6.4I	DKXJTJ3.0-11.2I
Rated heating capacity (kw)		3.44	4.8	6.4	11.6
Rated input power (kw)		0.86	1.2	1.6	2.5
Maximum power input (kw)		1.2	1.66	2.1	3.36
Rated current input (A)		4.2	6.3	8.36	4.87
Maximum current output (A)		6	7.56	11	7
Nosie dB (A)		≤52	≤52	≤52	≤52
Power supply		220~240V/50Hz/1Ph			
Compressor		Rotary	Rotary	Rotary	Rotary
Refrigerant type		R410A / R134a / R22 / R407C			
Working temperature		-10°C-43°C			
Rated / Maxoutlet water temp. (°C)		55 / 60			
Water system	Water output (L/H)	70	105	150	230
	Water pipe (mm)	DN20	DN20	DN20	DN20
Product Dimension	LxWxH(mm)	860x320x540	860x320x540	860x320x540	750x430x1210
Net Weight	kg	30	36	41	63
Apply for persons number		3~4	4~6	6~9	7~15
Water tank Volume	L	100~150	150~250	200~300	300~600

Test condition: Heating: Ambient temp. (DB/WB): 20 °C/15 °C, water temp. (input/output): 15 °C/55 °C

Photo



Stainless steel Water Circulating type domestic Air source heat pump water heater parameter

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Description:

It can supply hot water for domestic, life, bath.

Features:

Domestic hot water at any time

Economic & durable & stable running

Intelligent defrosting

Famous brand rotaty compressor

Low noise & vibration





Energy saving >75%

Water cycle type

Metal case, SUS 304 Stainless steel case

Model No.		DKXJT1.0-3.44I	DKXJT1.5-4.8I	DKXJT2.0-6.4I	DKXJT3.0-11.2I
Rated heating capacity (kw)		3.44	4.8	6.4	11.6
Rated input power (kw)		0.86	1.2	1.6	2.5
COP		4	4	4	4.64
Maximum power input (kw)		1.2	1.7	2.1	3.36
Rated current input (A)		4.2	5.8	8.6	4.87
Maximum current output (A)		6	9	11	7
Power line (copper wire) 220V/50Hz/1Ph		1.5m ²	2.5m ²	2.5m ²	4.0m ²
Refrigerant / Charge (kg)		R407C / 1.1	R407C / 1.2	R407C / 1.6	R407C / 2
Working temperature		-10℃-43℃			
Rated / Max outlet water temp. (℃)		55 / 60			
Water system	Water output (L/H)	70	105	150	230
	Water flow (m ³ /h)	2	2.5	2.8	3
	Water pipe (mm)	DN25	DN25	DN25	DN25
Hot water circulation pressure drop	kPa	45	45	45	45
Unit protection class	IP	IPX4		IPX4	
Water side pressure loss	Kpa	45	45	45	45
Water flow pressure drop	Mpa	0.01-0.02	0.01-0.02	0.01-0.02	0.01-0.02
Anti-electric shock class		Class I		Class I	
Max pressure of suction / discharge	Mpa	0.8 / 3.0	0.8 / 3.0	0.8 / 3.0	0.8 / 3.0
Nosie dB (A)		≤52	≤52	≤53	≤55
Product dimension (left-right)	LxWxH(mm)	860x320x540	860x320x540	860x320x540	750x430x1210
Product dimension (up-down)	LxWxH(mm)	650x269x970	650x269x970	650x269x970	750×380×970
Net Weight (left-right)	kg	30	36	63	103
Net Weight (up-down)	kg	35	43	68	118

Test condition: Water flow 0.172m³/(hKW), initial temp 15℃, terminated temp 55℃. Ambient temp DB/WB 20/15℃

Photo (left-right)		
Photo (up-down)		

Stainless steel All in one Domestic Hot Water Heat Pump

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Description:

It can supply hot water for domestic, life, bath.

Features:

Domestic hot water at any time Economic & durable & stable running Intelligent defrosting
 Famous brand rotaty compressor 70°C hot water Automatically sterilize per week Energy saving >75%
 Easy to install, just connect power Metal case, SUS 304 Stainless steel case Low noise & vibration




Specification - All in one Domestic Hot Water Heat Pump

Model		JTS-150L	JTT-150L	JTT-200L	JTT-250L	JTT-300L
Heating capacity	kW	2.8	2.8	2.8	2.8	2.8
Power input	W	700	700	700	700	700
COP	W/W	4	4	4	4	4
Power supply	V/N/Hz	220~240/1/50				
Compressor		Rotary				
Refrigerant type		R410A / R134a				
Water tank Volume	L	150	150	200	250	300
Ventilation type		Side discharge	Top discharge	Top discharge	Top discharge	Top discharge
Housing		Stainless Steel or Powder coated				
Apply for persons number		3~4	3~4	4~6	6~9	7~15
Net Dimensions	mm	560x560x1560	Φ560x1560	Φ560x1740	Φ560x1970	Φ640x1860
Packing Dimensions	mm	580x590x1760	580x590x1760	580x590x1940	580x590x2120	700x700x2060
Net Weight	kg	80	74	82	92	103
Gross Weight	kg	85	78	87	100	112
Noise level	dB(A)	48	48	48	48	48
Features included:	1.5kw auxiliary electrical heater					
	Electronic expansion valve					
	Magnesium stick					
	Relieve / safety valve					
	One extra set of heat exchanger, such as Solar coil (optional, if you need please claim in advance)					
Container loading	20' GP(units)	40	40	40	40	24
	40' GP(units)	80	80	80	80	54
	40' HQ(units)	80	80	80	80	54

NOTES:

Capacities and power inputs based on the following conditions:

- Heating: Ambient temperature 20°C/12°C, Water temperature from 10°C to 55°C.

Photo			
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Remarks:

- MOQ 1unit. (For a larger order,the price will be fixed upon receipt of a definite order)
- Lead time: 7~25 days after received deposit
- Payment Term: Large order, 30%TT before production,balance before delivery;
Samples, 100%TT before production
- Shipment terms: FOB Shenzhen (other terms welcome put forward)
- Warranty 2-3 years, give technical consultation for ever.

Commercial Air to water Swimming pool Heat Pump Top type

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Description:

The swimming pool heat pump applies titanium heat exchanger and heat pump technology which can move heat from surrounding to the pool water. It is specially suitable for domestic and commercial swimming pool.

Features:

All ranged of capacity from 4.5kW to 220kW

American Emerson expansion valve

Automatic Intelligent defrosting

Titanium tube in PVC shell / Titanium tube in tube heat exchanger

Cooling in summer & Heating in winter

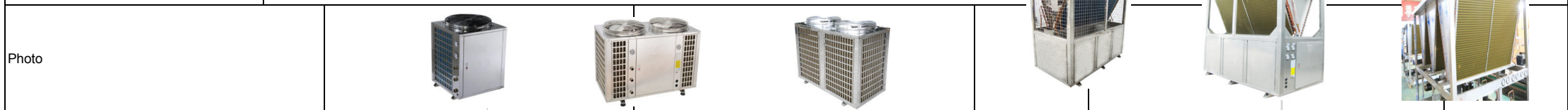
Easy installation & operation

American Copeland scroll compressor

Stable running, economic & durable

Model		JT-8/XY	LSQ-5HJY	JT-26II/XY	JT-34II/XY	JT-48II/XY	JT-52II/XY	JT-73.6II/XY	JT-92II/XY	JT-110II/XY	JT-146II/XY	JT-196II/XY	
Horse power HP		3	5	7	10	12	15	20	25	30	40	50	
Heating capacity	kW	13.5	21.3	35.5	45.5	52.8	66	87.4	110	140	176	220	
Heating COP		4.33	4.95	4.86	4.84	4.74	4.46	4.65	4.72	4.86	4.78	4.89	
Cooling capacity	kW	8.8	14.7	25.5	30.5	35.8	44.9	59.5	75	95.2	119	150	
Cooling COP		2.67	2.67	3	2.77	2.86	2.77	2.71	2.8	2.83	2.75	2.82	
Max outlet water temp.	°C	45	45	45	45	45	45	45	45	45	45	45	
Rated power input (Heating/Cooling)	kW	3.12/3.30	4.3/5.5	7.3/8.5	9.4/11.0	11.15/12.5	14.8/16.2	18.8/22.0	23.3/26.8	28.8/33.6	36.8/43	46/54.26	
Rated current input (Heating/Cooling)	A	14.9/15.8	8.2/10.4	13.9/16.1	17.9/20.9	21.2/23.7	28.1/30.8	35.7/41.8	44.3/50.9	54.7/63.8	80/83	110/113	
Max input power	kW	3.4	6.1	10	13.5	15.1	18.9	25.4	31.5	38.8	44	55.2	
Max input current	A	16.3	11.6	19	25.6	28.7	35.9	48.2	59.8	73.7	96	132	
Power supply	V/Hz/Ph	220-240/50/1	380-415V/50Hz/3Ph			380-415V/50Hz/3Ph			380-415V/50Hz/3Ph			380-415V/50Hz/3Ph	
Compressor type		Scroll	Scroll		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	
Number of Compressors	pc	1	1	1	2	2	2	2	2	2	4	4	
Heat exchanger type		Titanium tube in PVC shell		Titanium tube in PVC shell			Titanium tube in PVC shell		Titanium tube in PVC shell		Titanium tube in PVC shell		
Fan direction		Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	
Fan quantity	pc	1	1	2	2	2	2	2	2	2	4	4	
Fan air flow volume	m³/h	3900	6500	8000	13000	15000	16000	20000	24000	28000	48000	56000	
Fan power input	W	90	250	250*2	250*2	250*2	550*2	750*2	850*2	1100*2	750*4	850*4	
Fan rotation speed	RPM	750	850	850	850	850	960	940	940	920	960	960	
Apply to Pool size	≤m²	52	64	107	137	158	198	262	330	420	528	660	
Ambient temperature	°C	-7°C~43°C	-7°C~43°C	-7°C~43°C	-7°C~43°C	-7°C~43°C	-7°C~43°C	-7°C~43°C	-7°C~43°C	-7°C~43°C	-7°C~43°C	-7°C~43°C	
Water outlet temp.	°C	15~40	15~40	15~40	15~40	15~40	15~40	15~40	15~40	15~40	15~40	15~40	
Refrigerant		R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	
Noise	dB (A)	≤54	≤56	≤61	≤61	≤66	≤66	≤66	≤68	≤70	≤72	≤74	
Pipe diameter	DN	40	40	40	40	40	40	50	50	65	100	125	
Pipe diameter	mm	Rc1-1/2"	Rc1-1/2"	Rc2"	Rc2"	Rc2"	Rc2"	Rc2-1/2"	Rc3"	Rc3"	Rc3"	Rc3"	
Discharge pressure	Mpa	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Suction pressure	Mpa	0.3-0.8	0.3-0.8	0.3-0.8	0.3-0.8	0.3-0.8	0.3-0.8	0.3-0.8	0.3-0.8	0.3-0.8	0.3-0.8	0.3-0.8	
Rated water pressure	Mpa	0.2-0.6	0.2-0.6	0.2-0.6	0.2-0.6	0.2-0.6	0.2-0.6	0.2-0.6	0.2-0.6	0.2-0.6	0.2-0.6	0.2-0.6	
Water flow volume	m³/h	4	6	10	13	15	19	25	31	40	43	45	
Product dimensions	mm	695/655/740	703/687/930	1450/705/1065	1450/705/1065	1450/705/1375	1600x805x960	1990/980/2045	1990/980/2045	1900/1020/2045	2000x2200x1860	2000x2200x1860	
Net weight	kg	90	114	138	244	276	450	472	680	720	1250	1600	

Testing condition
 Heating working condition: Outdoor DB/WB temp. 24°C/19°C, 62.5% RH, inlet water temp. :26°C
 Cooling working condition: Outdoor DB/WB temp. 43°C/37°C, 68% RH, inlet water temp. :32°C



Air source Swimming pool heat pump 6.5~26kW Side and small top type

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Model		J1.0-45IYC	J1.5-65IYC	J1.8-85IYC	J2.0-100IYC	J3.0-140IYC	JT4.0-180IYD	JT5.0-230IYD	JT-26IYD	
HP		1HP	1.5HP	1.8HP	2HP	3HP	4HP	5HP	6HP	
Heating Capacity	kW	4.5	6.5	8.5	10	14	18	23	26	
COP		5	5.42	5.63	5.56	5.49	5.45	5.48	5.42	
Cooling Capacity	kW	3	4.5	5.4	6.2	8.8	13	14.7	18	
EER		2.86	2.81	2.80	2.82	2.67	2.67	2.67	3.83	
Rated Input Power (Heating/Cooling)	kW	0.9/1.05	1.2/1.59	1.51/1.93	1.8/2.20	2.55/3.30	3.3/4.86	4.2/4.1	4.8/4.7	
Rated Input Current(Heating/Cooling)	A	4.3/5.0	5.8/6.3	6.3/5.2	9.2/10.5	13/15.3	6.8/7.9	7/8.8	9.13/8.94	
Max Input Power	kW	1.4	1.7	1.9	2.2	3.06	3.9	5.05	7	
Max Input Current	A	6.7	9	9	12	15.6	10.5	13.5	13.6	
Power Supply	V/PH/Hz	220~240/1/50	220~240V/1Ph/50Hz				380-415V/50Hz/3Ph			
Ambient Temperature	°C	(-10°C~+43°C)		(-10°C~+43°C)		(-10°C~+43°C)		(-10°C~+43°C)	(-10°C~+43°C)	
Rated water Temperature	°C		26 / 28	26 / 28	26 / 28	26 / 28	26 / 28	26 / 28	26 / 28	
Heat Exchanger		Titanium tube in PVC shell								
Refrigerant / Charge		R410A	R407C/1.2kg	R407C/1.3kg	R407C/1.75kg	R407C/2.05kg	R407C/3.2kg	R407C/3.5kg	R407C/4kg	
Rated hot water	L/H		150	180	215	300	385	985	1100	
Water flow	m³/h	3	3	2.8	3	3	3.5	4	4.5	
Unit protection class	IP	IPX4		IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	
Water side pressure loss	Kpa	45	45	45	45	45	45	45	45	
Water flow pressure drop	Mpa	0.01-0.02	0.01-0.02	0.01-0.02	0.01-0.02	0.01-0.02	0.01-0.02	0.01-0.02	0.01-0.02	
Anti-electric shock class		Class I		Class I	Class I	Class I	Class I	Class I	Class I	
Max pressure of suction / discharge	Mpa	4.2 / 0.8	4.2 / 0.8	4.2 / 0.8	4.2 / 0.8	4.2 / 0.8	4.2 / 0.8	4.2 / 0.8	4.2 / 0.8	
Number of Compressors	pc	1	1	1	1	1	1	1	1	
Number of Fans	pc	1	1	1	1	1	1	1	1	
Fan Direction		Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Vertical	Vertical	Vertical	
Noise	dB(A)	≤48	≤48	≤52	≤55	≤56	≤58	≤59	≤60	
Piping Diameter	mm	Rc1-1/2"	DN40	DN40	DN40	DN40	DN40	DN40	DN40	
Product Dimension	mm	930/350/550	650x269x970 =0.17m³	650x269x970= 0.17m³	650x269x970= 0.17m³	750x380x970=0.2 76m³	717x717x960=0 .49m³	717x717x960=0 .49m³	717x717x960=0 .49m³	
Net weight	kg	38	43	45	48	103	115	125	132	

Test condition: Water flow 0.172m³/(hKW), Water inlet temp 26 °C, water outlet 28 °C. Ambient temp DB/WB 20/15 °C

Photo



Water source Swimming pool Heat Pump Water to water for heating, cooling

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Description:

Water to water heat pumps can be applied in the independent and small scale space, such as Swimming pool, multilayer apartments, villas, restaurants and entertainment places etc.

This system can run at conditions of high or low ambient temperature with high COP & EER without ambient temp disturbance. It reduces cost up to 75%.

Features:

Convenient operation

Economic & durable

Intelligent defrosting

Low noise & vibration

Cooling in summer, Heating in winter Ambient working temp -30~60°C

Convenient for maintenance

Mitsubishi rotary compressor

Titanium heat exchanger

Model	JT1.0SIW		JT1.5SIW		JT2.0SIW		JT3.0SIW		JT5.0SIW	
Cooling capacity / EER	W35W7	2.82kW /3.3	W35W7	4.12kW /3.3	W35W7	5.8kW /3.3	W35W7	8.0kW/ 3.3	W35W7	14.3kW /3.3
Heating capacity / COP	W20W55	3.36kW /3.5	W20W55	5kW /3.5	W20W55	7.0kW /3.5	W20W55	9.8kW /3.5	W20W55	17.5kW /3.5
Cooling power input	0.855KW		1.25KW		1.78KW		2.45KW		4.36KW	
Heating power input	0.96KW		1.43KW		2.0KW		2.8KW		5KW	
Max power input	1.15KW		1.7KW		2.4KW		3.36KW		6.0KW	
Cooling current input	4.1A		5.8A		8A		11A		19.8A	
Heating current input	4.56A		6.5A		9A		12.7A		22.7A	
Max current input	5.5A		7.7A		10.9A		15.2A		27A	
Power supply	220V 1N~/50Hz		220V 1N~/50Hz		220V 1N~/50Hz		220V 1N~/50Hz		220V 1N~/50Hz	
Refrigeratn / Charge	R22	1050g	R22	1350g	R22	1600g	R22	2900g	R22	2200g×2
Running noise	≤46Db(A)		≤48Db(A)		≤50Db(A)		≤55Db(A)		≤57Db(A)	
Protection/Anti-electric shock grade	IPX4/ Class I		IPX4/ Class I		IPX4/ Class I		IPX4/ Class I		IPX4/ Class I	
Cooling water outlet temp range	5~15°C		5~15°C		5~15°C		5~15°C		5~15°C	
Heating water outlet temp range	30~60°C		30~60°C		30~60°C		30~60°C		30~60°C	
Suction/discharge max pressure	0.8 / 3.0Mpa		0.8 / 3.0Mpa		0.8 / 3.0Mpa		0.8 / 3.0Mpa		0.8 / 3.0Mpa	
Water flow	1000L/H		1500L/H		2000L/H		3000L/H		5000L/H	
Water side pressure loss	≤35Kpa		≤35Kpa		≤35Kpa		≤35Kpa		≤35Kpa	
Water flow pressure drop	0.01-0.02 Mpa		0.01-0.02 Mpa		0.01-0.02 Mpa		0.01-0.02 Mpa		0.01-0.02 Mpa	
Unit dimension (LxWxH)	400×400×450(mm)		450×400×450(mm)		450×450×480(mm)		500×480×500(mm)		700×650×650(mm)	
Net weight	49kg		58kg		72kg		98kg		120kg	

Photo



Data is testd by GB/T18430.2-2008, GB/T21362-2008 standard: Water flow 0.172m³/(hKW)

Cooling mode: Cooling water outlet temp 7°C, water source temp 35°C

Heating mode: Hot water outlet temp 45°C, water source temp 20°C

Commercial Air source Water cycle heating and hot water heat pumps

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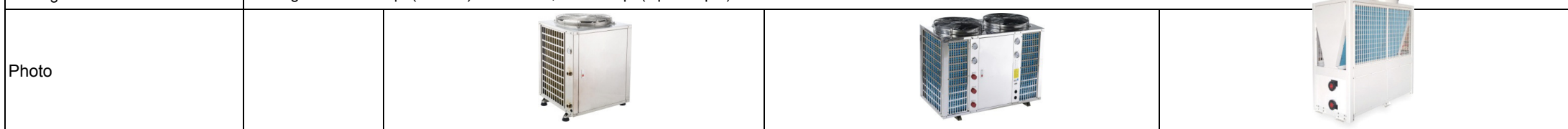
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Description: It can supply hot water for bathhouse, factories, schools, hotels, hair salon, sauna, office buildings, hospitals and industrial places.

Features: Tube in shell heat exchanger
 Domestic and commercial hot water Economic & durable & stable running Intelligent defrosting
 American Copeland scroll compressor Low noise & vibration American Emerson expansion valve

Model		DKFXJT3.0-11.2II	LSQ-5HJ	JT-26II/X	JT-30II/X	JT-34II/X	JT-52II/X	JT-73.6II/X	JT-92II/X	JT-110II/X	
Heating capacity	kW	11.2	18	28	36.3	43.7	54.4	69.8	87.4	110	
COP		4.67	4.62	4.44	4.65	4.62	4.69	4.58	4.64	3.99	
Rated heated Water output	L/h	241	400	560	780	940	1200	1600	2000	2400	
Rated power input	kW	2.4	3.9	6.3	7.8	9.45	11.6	15.23	18.85	27.6	
Maximum power input	kW	3.36	5.5	7.6	7.6	10.12	13.5	22.8	27	33	
Rated current	A	12	7	12	14.81	17.94	22.03	28.92	35.8	45.26	
Maximum current output	A	18	8.4	15	15	23	28	46	62	82	
Power supply	V/Hz/Ph	220-240/50/1	380-415V/50Hz/3Ph							380-415V/50Hz/3Ph	
Compressor type		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	
Number of Compressors	pc	1	1	1	2	2	2	2	2	2	
Heat exchanger type		High efficiency tube in shell heat exchanger			High efficiency tube in shell heat exchanger			High efficiency tube in shell heat exchanger			
Throttling device		Emerson thermal expansion valve			Emerson thermal expansion valve			Emerson thermal expansion valve			
Fan type		Low noise high efficiency axial type			Low noise high efficiency axial type			Low noise high efficiency axial type			
Fan discharging		Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	
Fan quantity	pcs	1	1	1	2	2	2	2	2	2	
Fan input	W	70	250	250	250	250	550	750	750	850	
Fan speed	RPM	850	850	850	850	850	910	940	940	960	
Ambient temperature	℃	(-10℃~43℃)	(-10℃~43℃)	(-10℃~43℃)	(-10℃~43℃)	(-10℃~43℃)	(-10℃~43℃)	(-10℃~43℃)	(-10℃~43℃)	(-10℃~43℃)	
Rated / Max outlet water temp.	℃	55 / 60	55 / 60	55 / 60	55 / 60	55 / 60	55 / 60	55 / 60	55 / 60	55 / 60	
Refrigerant		R22/R407C	R22/R407C	R22/R407C	R22/R407C	R22/R407C	R22/R407C	R22/R407C	R22/R407C	R22/R407C	
Noise in 1 meter distance	dB	59	62	62	63	63	66	68	68	69	
Cabinet		Stainless Steel/ galvanized powder coated steel			Stainless Steel/ galvanized powder coated steel			Stainless Steel/ galvanized powder coated steel			
Low pressure protection system		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
High pressure protection system		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Water flow switch		No	No	No	No	No	No	No	No	No	
Automatic defrosting system		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Water system	Water output (L/H)	230	430	560	670	830	1200	1600	2000	2400	
	Water pipe(mm)	DN25	DN40	DN40	DN40	DN40	DN40	DN50	DN65	DN65	
Water pump for option	Lift (H)	10	10	15	15	15	15	20	25	25	
	Water flow (m/h)	6	6	10	10	10	12	20	25	30	
Product Dimensions	mm	717x717x850	717x717x960	805x805x960	1424x717x960	1424x717x960	1600x805x960	2000x1100x1860	2000x1100x1860	2000x1100x1860	
Package Dimensions	mm	817x817x1050	817x817x1160	915x915x1160	1524x817x1160	1524x817x1160	1700x905x1160	2090/1190/2145	2090/1190/2145	2090/1190/2145	
Product Net weight	kg	88	120	138	210	230	300	520	680	780	

Testing condition Heating: Ambient temp. (DB/WB): 20℃/15℃, water temp. (input/output):15℃/55℃



EVI Low temp. Stainless Steel Air source Heat pump

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Description:

It adopts the most advanced low-temperature enhanced vapors injection compressor echnology, EVI heat pump delivers higher heating capacity at low evaporation temp. thereby better responding to heating requirements than normal air source heat pumps.

It can supply hot water and heating for large buildings in cold area.

Features:

Safe working temp down to -25°C

Economic & durable

Automatic defrosting

American Copeland EVI scroll compressor

Low noise & vibration

Sanhua 4-way valve

Tube in shell heat exchanger

American Emerson expansion valve

EVI heat pump Side type					EVI heat pump Top type			
MODEL		JTS-10L	JTS-14L	JTS-17II/L	JTT-10L	JTT-17II/L	JTT-35II/L	JTT-70II/L
Hot water capacity	kW	10.3	14.5	17.8	10.30	17.80	37.40	69.80
COP in Hot Water (A9/A19)		4.42	4.42	4.44	4.44	4.43	4.41	4.58
Rise in water Temp required	°C	30 °C			40 °C			
Hot water output under recirculations	L/h	295 Liters/Hour	416 Liters/Hour	510 Liters/Hour	295 Liters/Hour	510 Liters/Hour	1072 Liters/Hour	2001 Liters/Hour
Rated outlet water Temp.	°C	55 °C			55 °C			
Max outlet water Temp.	°C	60 °C			60 °C			
Space Heating capacity water (in/out):35°C/40°C	kW	8.2	12.5	15.5	8.2	14.6	28.7	57.4
COP Space Heating (A15/A19)		3.52	3.81	3.87	3.53	3.63	3.38	3.77
Space Heating capacity water (in/out):40°C/45°C	kW	8.2	12.5	14.6	8.2	14.6	28.7	57.4
COP Space Heating (A17/A19)		3.52	3.81	3.64	3.53	3.63	3.38	3.77
Rated power input	Kwh	2.33	3.28	4.01	2.32	4.02	8.48	15.23
Rated current	A	11.77	16.57	7.62	11.10	7.63	16.11	28.93
Power supply	V/Hz/Ph	220~240/ 50 / 1		380~415/ 50 / 3	220~240/1/50		380~415/3/50	
Compressor type		Copeland Scroll			Copeland Scroll			
Number of Compressors	pc	1	1	1	1	1	2	2
Heat exchanger type		High efficiency tube intube heat exchanger			High efficiency tube intube heat exchanger			
Throttling device		Emerson thermal expansion valve			Emerson thermal expansion valve			
Condensor Fan type		Low noise high efficiency axial type			Low noise high efficiency axial type			
Condensor Fan discharging		Horizontal			Vertical			
Condensor Fan quantity		1	2	2	1	1	2	2
Condensor Fan input power	W	50	50	90	70	250	250	750
Condensor Fan speed	RPM	750	750	850	850	880	850	940
Ambient temperature	°C	(-25°C~+43°C)			(-25°C~+43°C)			
Refrigerant		R407C/R417A			R407C/R417A			
Noise in 1 meter distance	dB	59	62	63	59	62	63	68
Water pipe size	inch	1"	1"	1"	R1	R1	R1-1/2	Rc2-1/2
PLC Controller		Yes Digital LCD Controller			Yes Digital LCD Controller			
Daily 2 set of programmes for On / Off		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Compressor Low / High pressure protection		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Compressor protection water flow switch		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Compressor Overload Protection Switch		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Compressor time delay protection		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sequential Phase & Missing Phase protection		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Automatic defrost system		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Water Tank temp sensor & its error detection		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Outlet hot water temp sensor & its error detection		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Inlet water temp sensor & its error detection		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ambient air temp sensor & its error detection		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Controller Communications failure		Yes	Yes	Yes	Yes	Yes	Yes	Yes
PCB in the Unit		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cabinet		GI powder coated / Stainless Steel @ extra cost			GI powder coated steel / Stainless Steel @ extra cost			
Product dimensions	mm	800/ 400/ 1220	1000/ 470/ 1180	1110/ 530/ 1260	710/ 710/ 795	810/ 810/ 995	1450/ 705/ 1375	1990/ 980/ 2045
Product Net weight	kg	110	140	155	107	129	285	552
Package dimensions	mm	845x470x1340	965x480x1540	1215x650x1447	810/ 810/ 980	920/ 920/ 1080	1580/ 840/ 1450	2090/ 1190/ 2145
Shipping Weight	KG	125.00	319.00	170.00	115	148	260	620

Test condition: Water flow 0.172m³/(hKW),

Normal: initial temp 15°C, terminated temp 55°C. Ambient temp DB/WB 20/15°C

Low temp: initial temp 15°C, terminated temp 55°C. Ambient temp DB/WB -12/-14°C



Remarks:

1. Package: Samples are packed by plywood or wooden frame, the full container goods by carton.
2. Lead time: 25 days after received deposit
3. Payment Term: large order, 30%TT before production, balance before delivery; samples, 100%TT before production
4. Shipment terms: FOB Foshan (other terms welcome put forward)
5. MOQ:1pcs (For a larger order, the price will be fixed upon receipt of a definite order)

Specification - Instant Air source Stainless steel Air To Water Direct Hot Water Heat Pump

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Description:

It can get hot water at once by adjusting vlive. It can supply hot water for factories, schools, hotels, office buildings, hospitals, commercial places.

Features:

American Copeland scroll compressor

American Emerson expansion valve
Economic & durable

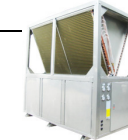
Adjusting valve
Intelligent defrosting

Low noise & vibration
Tube in shell heat exchanger

Model		JT-7I/Y	DKFYJT3.0-11.2II	LSQ-5HJ/Y	JT-26II/Y	JT-34II/Y	JT-45II/Y	JT-52II/Y	JT-73.6II/Y	JT-92II/Y	JT-110II/Y	
Hot water capacity	kW	7.00	11.60	18.00	26.00	36.30	43.70	54.40	69.80	87.40	110	
COP in Hot Water (A8/A15) Refer row 40		3.78	4.83	4.62	4.00	4.13	4.62	4.69	4.58	4.64	3.98	
Rise in water Temp required	°C	30 °C										
Rated hot water output in 1 circulation	L/h	201	333	516	560	1041	1253	1559	2001	2505	3153	
Rated outlet water temp.	°C	55 °C										
Max outlet water temp.	°C	60 °C										
Rated power input	kwh	1.85	2.40	3.90	6.50	8.80	9.45	11.60	15.23	18.85	27.64	
Maximum power input	kwh	2.22	2.88	4.68	7.80	10.56	11.34	13.92	18.28	22.62	33	
Rated current	A	8.85	11.50	7.41	12.00	14.81	17.94	22.03	28.92	35.80	68	
Maximum current	A	10.62	13.80	8.89	14.40	17.77	21.53	26.44	34.70	42.96	82	
Power supply	V/Hz/Ph	220~240 / 50 / 1					380~415 / 50 / 3					380~415 / 50 / 3
Compressor type		Rotary			Copeland Scroll							Copeland Scroll
Number of Compressors	pc	1	1	1	1	2	2	2	2	2	2	
Heat exchanger type		High efficiency tube intube heat exchanger										
Throttling device		Emerson thermal expansion valve										
Condensor Fan type		Low noise high efficiency axial type										
Condensor Fan discharging		Horizontal			Vertical						Vertical	
Condensor Fan quantity		1	1	1	1	2	2	2	2	2	2	
Condensor Fan input power	W	40	70	250	250	250	250	550	750	750	750	
Condensor Fan speed	RPM	850*1	850*1	960*1	960*1	960*2	960*2	960*2	960*2	960*2	960*2	
Working temperature	°C	(-7°C~43°C)										
Refrigerant		R22 / R407C / R417A										
Noise in 1 meter distance	dB	57.00	59	62	62	63	63	66	68	68	69	
Water pipe size	inch	Rc3/4	R1	R1	DN40	R1-1/2	R1-1/2	Rc2	Rc2-1/2	Rc2-1/2	DN65	
Water pump for reference	Lift (H)	5	12	12	12	15	15	15	20	25	25	
	Water flow(m³/h)	2.5	3.6	3.6	5.3	10	12	15	20	25	30	
Optional Wilo circulating pump model		RS15/6	PUN-200E	PUN-200E								
PLC Controller		Yes Digital LCD Controller										
Daily 2 set of programmes for On / Off		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Compressor Low / High pressure protection		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Compressor protection water flow switch		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Compressor Overload Protection Switch		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Compressor time delay protection		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Sequential Phase & Missing Phase protection		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Automatical defrost system		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Water Tank temp sensor & its error detection		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Outlet hot water temp sensor & its error		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Inlet water temp sensor & its error detection		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Ambient air temp sensor & its error detection		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Controller Communications failure		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
PCB in the Unit		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Cabinet		Stainless Steel / Galvanized powder coated steel										Stainless Steel
Product dimensions	mm	1005/305/587	710/710/795	810/810/995	810/810/995	1450/705/1375	1450/705/1375	1445/850/1850	1990/980/2045	1990/980/2045	2000x1100x1860	
Product Net weight	kg	66	99	137	137	276	305	380	552	680	780	
Package dimensions	mm	1040/360/640	810/810/980	920/920/1080	920/920/1080	1580/840/1450	1580/840/1450	1580/860/2000	2090/1190/2145	2090/1190/2145	2090/1190/2145	
Shipping Weight	kg											

Testing condition: Heating:Ambient temp. (DB / WB):20°C / 15°C, water temp. (input/output):15°C / 55°C

Photo



Specification - High Temperature Commercial Air source Heat Pump

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Description:

Juteng high temp heat pump adopts R134a refrigerant and the most advanced famous compressor technology generate very hot water 80 °C for drying, steaming, radiator, industrial electroplate.

Features:

Max hot water outlet temp 80°C

Economic & durable & stable running

Automatic Intelligent defrosting

American Copeland scroll compressor

Low noise & vibration

American Emerson expansion valve

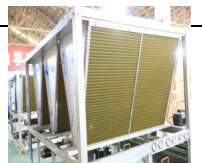
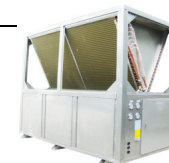
Sanhua 4-way valve

Tube in shell heat exchanger

Model		DKFXJT-11.2II/XG	LSQ-5HJ/XG	JT-34II/XG	JT-52II/XG	JT-73.6II/XG	JT-92II/XG	JT-110II/XG	JT-146II/XG	
Horse power (HP)		3	5	10	15	20	25	28	50	
Heating capacity	kW	7.84	12.88	24.64	37.8	51.8	58.8	70	103.04	
COP		2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	
Rated power input	kW	2.8	4.6	8.8	13.5	18.5	21	25	36.8	
Maximum power input	kW	3.4	5.5	9.6	16	22	27	30	44	
Rated current	A	4.8	8.5	15	24	36	40	48	80	
Maximum current output	A	7	12	20	28	43	48	58	96	
Rated heated water output	L/h	120	195	400	560	600	995	1200	3200	
Power supply	V/Hz/Ph	380V/3N~/50Hz						380V/3N~/50Hz		
Compressor type		Copeland Scroll		Copeland Scroll			Copeland Scroll	Copeland Scroll	Copeland Scroll	
Compressor model		ZW34KAE	ZW61KAE	ZW61KAE	ZW79KAE	ZW125KAE	ZW144KAE	ZW154KSP	ZW144KAE	
Number of Compressors		1	1	2	2	2	2	2	4	
Heat exchanger type		High efficiency tube in shell heat exchanger				High efficiency tube in shell heat exchanger				
Throttling device		Emerson thermal expansion valve				Emerson thermal expansion valve				
Fan type		Low noise high efficiency axial type				Low noise high efficiency axial type				
Fan discharging		Vertical	Vertical			Vertical	Vertical	Vertical	Vertical	
Fan quantity		1	1	2	2	2	2	2	4	
Fan input	W	90	250	250	250	550	550	750	550	
Fan speed	RPM	880	920	920	920	920	920	920	920	
Ambient temperature	°C	-10°C~43°C		-10°C~43°C			-10°C~43°C		-10°C~43°C	
Rated / Max outlet water temp.	°C	75 / 80		75 / 80	75 / 80	75 / 80	75 / 80	75 / 80	75 / 80	
Refrigerant		R407C/410A/134a		R407C/410A/134a			R407C/410A/134a			
Hot water circulation flow	m³/h	6	10	13	20	25	35	40	45	
Water side pressure loss	kPa	35	35	35	35	35	35	35	35	
Water flow pressure drop	Mpa	0.01-0.02	0.01-0.02	0.01-0.02	0.01-0.02	0.01-0.02	0.01-0.02	0.01-0.02	0.01-0.02	
Suction/discharge max pressure	Mpa	0.8 / 2.8	0.8 / 2.8	0.8 / 2.8	0.8 / 2.8	0.8 / 2.8	0.8 / 2.8	0.8 / 2.8	0.8 / 2.8	
Anti-electric shock class		Class I		Class I	Class I	Class I	Class I	Class I	Class I	
Unit protection class		IPX4		IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	
Noise in 1 meter distance	dB(A)	58	59	60	62	65	68	69	74	
Water pipe size	inch	1"	1.5"	1.5"	1.5"	2"	2"	2.5"	4"	
Cabinet		Stainless steel / Steel with powder coated		Stainless steel / Steel with powder coated		Stainless steel / Steel with powder coated		Stainless steel / Steel with powder coated		
High/Low pressure protection		Yes		Yes		Yes		Yes		
Automatic defrosting system		Yes		Yes		Yes		Yes		
Water flow switch		No		No		No		No		
Dimention	mm	717x717x630	717x717x960	1424x717x960	1600x805x960	2000x1100x1860	2000x1100x1860	2000x1100x1860	2000x2200x1860	
Package Dimention	mm	817x817x830	817x817x1160	1524x817x1160	1700x905x1160	2100x1200x2060	2100x1200x2060	2100x1200x2060	2100x1200x2060	
Net weight	kg	88	125	230	238	480	520	610	1250	
Gross weight	kg	100	150	265	275	510	550	680	1310	

Testing condition: Ambient temp. (DB/WB):20 °C/15°C, input/output water temp.15°C/75°C

Photo



Specification - Small Dryer and Dehumidification Air source Heat Pump

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Description:

Dryer adopts R134a and the most advanced enhanced vapors injection compressor technology. It can supply high temp hot water for drying, steaming, dehumidify with heat and cold dry.

Features:

Easy install, only connect power to use

Dehumidify, cold-dry, stoving

For food, medicine, tobacco dehydration

Built-in UV and Ozone lamp for sterilization

With oven, material pallet

Movable, portable with 4pcs wheels

Famous brand compressor

Model No.	JT-25ZTX	JT-35ZTX	JT-50ZTX
Horse power (HP)	1	1.5	2
Oven temp.(°C)	10-80	10~80	10~80
Dry humidity(%)	8%-99%	8%-99%	8%-99%
Heating capacity(kW)	2.41	3.50	4.48
Rated power input(kW)	0.86	1.25	1.6
COP	2.8	2.8	2.8
Rated current input	5.5A	7.2A	7.2A
Maximum power input	1.4kW	1.5kW	1.9kW
Maximum current output	6.3A	8.6A	11A
Auxiliary heater power input	2kW	2kW	2kW
Auxiliary heater current	9A	9A	9A
Refrigerant	R134a	R134a	R134a
Power supply	220V/1Ph/50 or 60Hz	220V/1Ph/50 or 60Hz	220V/1Ph/50 or 60Hz
Suction/discharge max pressure	0.7 / 3.8MPa	0.7 / 3.8MPa	0.7 / 3.8MPa
Dehumidify capacity(L/H or kg/H)	2.5	3.75	5
Wheels quantity (pcs)	4	4	4
Material plate layer(pcs)	15	18	18
Anti-electric shock class	Class I	Class I	Class I
Unit protection class	IPX4	IPX4	IPX4
Nosie	≤64dB(A)	≤68dB(A)	≤68dB(A)
Working temp.	-10-40°C	-10-40°C	-10-40°C
Tray dimension	680*685*25mm	680*710*25mm	680*710*25mm
Drying room	690*690*1690mm	710*690*1810mm	710*690*1810mm
Net weight	185kg	205kg	220kg
Product dimension	1270×760× 1650=1.59m³	1270×760× 1850=1.79m³	1270×760× 1850=1.79m³

Test condition: Heating capacity: Outside dry bolb temp. 20°C, oven temp. 70°C
Dehumidify: Drying room temp. 35°C, drying room temp. 35°C, humidity 60%

Photo



Specification - Industrial Dryer and Dehumidifier Air source Heat Pump

Model No.	JT-125ZTX	JT-150ZTX	JT-250ZTX	JT-300ZTX
Horse power (HP)	5	6	10	12
Oven temp.(°C)	10-80	10~80	10~80	10~80
Dry humidity(%)	5%-99%	5%-99%	5%-99%	5%-99%
Rated Heating capacity(kW)	15.8	20	32	40
Rated heating power input(kW)	5.6	6.8	11.2	13.6
COP	2.82	2.94	2.86	2.94
Rated heating current input	12A	15A	24A	30A
Rated Cooling capacity(kW)	12.5	16	25	32
Rated cooling power input(kW)	5.2	6.6	11	13
EER	2.40	2.42	2.27	2.46
Rated cooling current input	11.6A	13.8A	23A	29A
Maximum power input(kW)	7.28	8.84	14.56	17.68
Maximum current input	15.6A	19.5A	31A	39A
Auxiliary heater power input	6kW	6kW	9kW	9kW
Auxiliary heater current	9A	9A	13.6A	13.6A
Dryer capacity(kg/H)	12.5	15	25	30
Refrigerant	R134a	R134a	R134a	R134a
Power supply	380V/3Ph/50,60Hz	380V/3Ph/50,60Hz	380V/3Ph/50,60Hz	380V/3Ph/50,60Hz
Suction/discharge max pressure	0.7 / 4.0MPa	0.7 / 4.0MPa	0.7 / 4.0MPa	0.7 / 4.0MPa
Dehumidify capacity(L/H)	12.5	15	25	30
Anti-electric shock class	Class I	Class I	Class I	Class I
Unit protection class	IPX4	IPX4	IPX4	IPX4
Nosie	≤68dB(A)	≤68dB(A)	≤72dB(A)	≤72dB(A)
Working temp.	-10-40°C	-10-40°C	-10-40°C	-10-40°C
Net weight	265kg	295kg	355kg	385kg
Product dimension	1440x1300x1200= 2.25m³	1440x1300x1200= 2.25m³	1600x1300x1480= 3.08m³	1600x1300x1480= 3.08m³



EVI Air-Cooled Chiller Air source low temp. heat pump heating, cooling

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Description:

It works well at -25°C low temp, which supply heating and chilling water like as Air conditioner for family, hotel, factory, restaurant etc.

Features:

Connect with solar panel, boiler, radiator, fan coil
 Intelligent defrosting Heating, cooling Economic & durable & stable running
 Famous brand compressor Energy saving >75% Low noise & vibration

Model		J10HCB	J14HCB	J17HCB/3
*Heating capacity	kW	8.9	13.2	15.5
*Heating power input	A	2.17	3.20	3.78
*COP	W/W	4.1	4.12	4.1
**Heating capacity	kW	8.2	12.5	14.6
**Heating power input	A	2.50	3.79	4.41
**COP	W/W	3.28	3.3	3.31
Cooling capacity	kW	6.5	9.8	11.3
Cooling power input	A	2.39	3.45	3.95
EER	W/W	2.72	2.84	2.86
Power supply	V/Hz/Ph	220-240V/50Hz/1Ph		380-415V/50Hz/3Ph
Compressor type	type	Scroll Copeland		
Number of compressor	pc	1	1	1
Fan discharging	type	Horizontal		
Fan quantity	pc	1	2	2
Ambient temperture	°C	-25°C~43°C		
Refrigerant	type	R407C / R410A / R22		
Noise	dB(A)	59	62	63
Product dimension	mm	800/400/1220	1000/470/1180	1110/530/1260
Net weight	kg	110	140	155
Testing condition:		*Heating:Ambient temp.(DB/WB)=7 °C/6°C , Water temp.(In/Out)=30 °C~35°C		
		**Heating:Ambient temp.(DB/WB)=7 °C/6°C , Water temp.(In/Out)=40 °C~45°C		
		Cooling:Ambient temp.(DB/WB)=35 °C/24°C , Water temp.(In/Out)=12 °C~7°C		
Photo				

Remarks:

1. MOQ 1unit. (For a larger order,the price will be fixed upon receipt of a definite order)
2. Lead time: 7~25 days after received deposit
3. Payment Term: Large order, 30%TT before production,balance before delivery; Samples, 100%TT before production
4. Shipment terms: FOB Shenzhen (other terms welcome put forward)
5. Warranty 2-3 years, give technical consultation for ever.

Air cooled Chiller Air source Stainless steel Modular heat pump

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Description: It supplies heating and cooling water like as air conditioner in summer and winter.

Features: Heating and cooling as air conditioner
Famous brand compressor

Metal case, SUS 304 Stainless steel case
Intelligent defrosting
Energy saving >75%

Economic & durable & stable running
Low noise & vibration

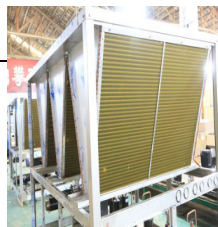
Model	DKFXJT-3.0-11.2I/FR	LSQ-5HJ/FR	JT-20II/FR	JT-28II/FR	JT-45II/FR	JT-50II/FR	JT-65II/FL	JT-75II/FL	JT-110II/FL	JT-130II/FL	JT-160II/FL
Horse power (HP)	3	5	6	10	12	15	20	25	30	40	50
Heating capacity (kW)	8	14.7	19.8	27.5	40	56	71	76	112	145	175
Cooling capacity (kW)	7.5	12.5	18	25	37.8	50	64.5	70	98.5	132	160
Heating power input (kW)	2.4	4.2	6.2	8.6	12.5	16.6	20	24	34	43	50
Cooling power input (kW)	2.5	4.6	6.5	8.8	13.5	17.6	23	25	35.2	46	52
Heating COP	3.33	3.50	3.19	3.20	3.20	3.37	3.55	3.17	3.29	3.37	3.50
Cooling EER	3.00	2.72	2.77	2.84	2.80	2.84	2.80	2.80	2.80	2.87	3.08
Heating current input (A)	15	8.6	11	17	22	30	40	50	60	78	92
Cooling current input	16	9.2	12	18	24	32	44	53	64	80	96
Max current input	18	10.32	13.2	20.4	26.4	36	48	60	72	93.6	110.4
Power supply (V/Ph/Hz)	220/1/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
Refrigerant / Charge(kg)	R22 or R410A /2.2	R22,R410A /4	R22,R410A /4.5	R22,R410A/4*2	R410A / 4.5*2	R410A / 7.5*2	R410A / 9*2	R410A / 11*2	R410A / 7.5*4	R410A / 9.6*4	R410A / 8.8*6
Compressor No. (pcs)	1	1	1	2	2	2	2	2	4	4	6
Compressor type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Heating water outlet temp	40/45℃	40/45℃	40/45℃	40/45℃	40/45℃	40/45℃	40/45℃	40/45℃	40/45℃	40/45℃	40/45℃
Cooling water outlet temp	7/12℃	7/12℃	7/12℃	7/12℃	7/12℃	7/12℃	7/12℃	7/12℃	7/12℃	7/12℃	7/12℃
Pipe diameter	1"	1.5"	1.5"	1.5"	1.5"	2"	2"	3"	3"	4"	4"
Water flow (m³/h)	3	5	6	10	15	20	25	35	40	50	60
Water side pressure loss	35Kpa	35Kpa	35Kpa	35Kpa	35Kpa	35Kpa	35Kpa	35Kpa	35Kpa	35Kpa	35Kpa
Water flow pressure drop	0.01-0.02 Mpa	0.01-0.02 Mpa	0.01-0.02 Mpa	0.01-0.02 Mpa	0.01-0.02 Mpa	0.01-0.02 Mpa	0.01-0.02 Mpa	0.01-0.02 Mpa	0.01-0.02 Mpa	0.01-0.02 Mpa	0.01-0.02 Mpa
Max pressure of suction / discharge	0.8 / 2.8Mpa	0.8 / 2.8Mpa	0.8 / 2.8Mpa	0.8 / 2.8Mpa	0.8 / 2.8Mpa	0.8 / 2.8Mpa	0.8 / 2.8Mpa	0.8 / 2.8Mpa	0.8 / 2.8Mpa	0.8 / 2.8Mpa	0.8 / 2.8Mpa
Running noise dB(A)	66	68	≤68	≤68	≤68	≤72	≤72	≤74	≤74	≤74	≤74
Protection / Anti-electric shock rate	IPX4 / Class I	IPX4 / Class I	IPX4 / Class I	IPX4 / Class I	IPX4 / Class I	IPX4 / Class I	IPX4 / Class I	IPX4 / Class I	IPX4 / Class I	IPX4 / Class I	IPX4 / Class I
Running ambient temp.	-10~+43℃	-10~+43℃	-10~+43℃	-10~+43℃	-10~+43℃	-10~+43℃	-10~+43℃	-10~+43℃	-10~+43℃	-10~+43℃	-10~+43℃
Net weight (kg)	88	125	138	230	300	500	680	800	800	1350	1650
Top type dimension (LxWxH)	717x717x860=0.44m³	717x717x960=0.49m³	805x805x960=0.62m³	1424x1424x960=1.95m³	1600x1600x960=2.46m³	2000x1100x1980=3.96m³	2000x1100x1980=3.96m³	2000x1680x1980=6.65m³	2000x1800x1980=7.13m³	2000x1800x1980=7.13m³	3000x2000x1980=11.88m³

Capacity and power input based on the GB/T18430.2-2008、GB/T21362-2008 conditions:

Heating mode: Water flow 0.172m³/(h kW), hot water outlet temp. 45℃, ambient temp. (DB/WB) 7/6℃

Cooling mode: Water flow 0.172m³/(h kW), cold water outlet temp. 7℃, ambient temp. 35℃

Photo



DC inverter Low temp. EVI Air source Stainless steel heat pump

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Description:

It can supply hot water for domestic, life, bath.

Features:

DC inverter for low ambient temp	Intelligent defrosting	Economic & durable & stable running
Famous brand compressor	Energy saving >75%	Low noise & vibration
Heating, cooling, hot water		Metal case, SUS 304 Stainless steel case

Model	JT3.0BD/BC	JT5.0BD/BC	JT6.0BD/BC
Heating capacity	3.46-8.6kW	5.29-13.4kW	6.55-16.3kW
Cooling capacity	4.1-10.6kW	5.3-16kW	8.1-20.2kW
Heating power input	1.65-4.1kW	2.52-6.4kW	3.12-7.8kW
Cooling power input	1.65-4.1kW	2.52-6.4kW	3.12-7.8kW
Heating integrated part load value (IPLV(H))	2.4	2.4	2.4
Cooling integrated part load value (IPLV(C))	2.6	2.7	2.6
Heating current input	15A	24A	28A
Cooling current input	15A	25A	30A
Max current input	22A	38A	42A
Power supply	220V/1Ph/50Hz	220V/1Ph/50Hz	220V/1Ph/50Hz
Refrigerant / Charge	R410A / 3kg	R410A / 4.5kg	R410A / 5.5kg
Heating water outlet temp range	30~60℃	30~60℃	30~60℃
Cooling water outlet temp range	5~15℃	5~15℃	5~15℃
Max pressure of suction / discharge	0.8 / 4.2Mpa	0.8 / 4.2Mpa	0.8 / 4.2Mpa
Pipe diameter	1"	1"	1"
Rated hot water output	240L/H	400L/H	480L/H
Water flow	700~1800L/H	920~2750L/H	1400~3500L/H
Water side pressure loss	≤45Kpa	≤45Kpa	≤35Kpa
Water flow pressure drop	0.01-0.02 Mpa	0.01-0.02 Mpa	0.01-0.02 Mpa
Running noise dB(A)	≤60	≤63	≤63
Protection / Anti-electric shock rate	IPX4 / Class I	IPX4 / Class I	IPX4 / Class I
Running ambient temp.	-25~+43℃	-25~+43℃	-25~+43℃
Net weight	105kg	135kg	148kg
Side type dimension (LxWxH)	1100x450x1280=0.63m ³	1250x450x1435=0.81m ³	
Top type dimension (LxWxH)	717×717×920(mm)	1300×650×920(mm)	1300×650×1020(mm)

Test condition: Carried Standard: GB/T 25127.2-2010

Heating mode: Water flow 0.172m³/(h kW), hot water outlet temp. 41℃, ambient temp. -12℃

Cooling mode: Water flow 0.172m³/(h kW), cold water outlet temp. 7℃, ambient temp. 35℃

Photo







Side type



Top type

Air-cooled Inverter Heat Pump Split Heating

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MODEL	DCS50	DCS75	DCS125	DCS125/II
Heating capacity	0.87 - 5.2 Kw 2965 - 17742 BTU/hr	1.5 - 10.5 Kw 5200 - 35827 BTU/hr	2.6 - 19.8 Kw 8872 - 67560 BTU/hr	2.6 - 19.8 Kw 8872 - 67560 BTU/hr
COP in Cooling @ 7 C chilled water	3.4	3.9	3.4	3.4
COP in Heating @ 45 C heated water	4.0	4.3	4.5	4.5
EER	11.7 BTU/W/hr	13.3 BTU/W/hr	11.7 BTU/W/hr	11.7 BTU/W/hr
Power supply	220-240V/50Hz/1Ph	220-240V/50Hz/1Ph	220-240V/50Hz/1Ph	380-400V/50Hz/3Ph
Heating input power	1.30 kWh	2.45 kWh	4.40 kWh	4.40 kWh
Heating input current	5.90 A	11.13 A	20.00 A	20.00 A
Cooling input power	1.25 kWh	2.34 kWh	4.70 kWh	4.70 kWh
Cooling input current	5.60 A	10.63 A	21.30 A	12.40 A
No of Compressor & type	1 x Panasonic Inverter Rotary	1 x Sanyo Inverter Rotary	1 x Sanyo Inverter Rotary	1 x Sanyo Inverter Rotary
Heat exchanger type (Evaporator side)	SS 316 brazing Plate Heat Exchanger	SS 316 brazing Plate Heat Exchanger	SS 316 brazing Plate Heat Exchanger	SS 316 brazing Plate Heat Exchanger
Expansion Tank	2 liter metal Expansion tank	2 liter metal Expansion tank	2 liter metal Expansion tank	2 liter metal Expansion tank
Throttling device	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Condensor	hydrophilic fin-tubes	hydrophilic fin-tubes	hydrophilic fin-tubes	hydrophilic fin-tubes
Condensing Fan type	Low noise high efficiency axial type	Low noise high efficiency axial type	Low noise high efficiency axial type	Low noise high efficiency axial type
Condensing Fan discharge	Horizontal	Horizontal	Horizontal	Horizontal
Condensing Fan air flow	2700 CMH	4000 CMH	6200 CMH	6200 CMH
Condensing Fan quantity	1	1	2	2
Condensing Fan input power	167 w / 204 w / 240 w	167 w / 204 w / 240 w	167 w / 204 w / 240 w	167 w / 204 w / 240 w
Fan speed	Auto Adustable 850/750/650	Auto Adustable 850/750/650	Auto Adustable 450/650/730	Auto Adustable 450/650/730
Operating in Ambient temperature	(-20℃~43℃)	(-20℃~43℃)	(-20℃~43℃)	(-20℃~43℃)
Refrigerant & 3 meter copper pipe size	R 410-A OD inlet 15.88 & outlet 9.52mm	R 410-A OD inlet 15.88 & outlet 9.52mm	R 410-A OD inlet 15.88 & outlet 9.52mm	R 410-A OD inlet 15.88 & outlet 9.52mm
Chilled water circulation Pump	Within IDU Chinese Pump Xinxu model GPD20-6S DN 20	Within IDU Wilo-Star-RS 25/8 Impeller Fibre reinforced PP & shaft SS, DN 25	Within IDU Wilo-Star-RS 25/8 Impeller Fibre reinforced PP & shaft SS, DN 25	Within IDU Wilo-Star-RS 25/8 Impeller Fibre reinforced PP & shaft SS, DN 25
Chilled water circulation flow rate / Hour / Head	1.00 m3/hr	1.37 m3/hr	2.30 m3/hr	2.30 m3/hr
Chilled water circulation pressure drop	12 KPa	12 KPa	20 KPa	20 KPa
Noise in 1 meter distance	Out Door 48 dB & Indoor 30 dB	Out Door 48 dB & Indoor 30 dB	Out Door 53 dB & Indoor 30 dB	Out Door 53 dB & Indoor 30 dB
Plumbing Pipes & Fittings	Copper & Copper fittings	Copper & Copper fittings	Copper & Copper fittings	Copper & Copper fittings
Heating/Cooling Water pipe connection on IU	1 inch FT	1 inch FT	1 inch FT	1 inch FT
Air Vent	Yes inside of Indoor unit	Yes inside of Indoor unit	Yes inside of Indoor unit	Yes inside of Indoor unit
PLC Controller	Yes Digital LCD Controller	Yes Digital LCD Controller	Yes Digital LCD Controller	Yes Digital LCD Controller
Compressor Low/High pressure protection	Yes	Yes	Yes	Yes
Compressor protection water flow switch	Yes inside of Indoor unit	Yes inside of Indoor unit	Yes inside of Indoor unit	Yes inside of Indoor unit
Compressor Overload Protection Switch	Yes	Yes	Yes	Yes
Compressor time delay protection	Yes	Yes	Yes	Yes
Sequential Phase & Missing Phase protection	Yes	Yes	Yes	Yes
Automatic defrost system	Yes	Yes	Yes	Yes
Weather Compensation feature Enable/Disable	Yes	Yes	Yes	Yes
Water Tank temp sensor & its error detection	Yes	Yes	Yes	Yes
Outlet water temp sensor & its error detection	Yes	Yes	Yes	Yes
Inlet water temp sensor & its error detection	Yes	Yes	Yes	Yes
Ambient air temp sensor & its error detection	Yes	Yes	Yes	Yes
Controller Communications failure	Yes	Yes	Yes	Yes
PCB in the Indoor Unit	2	2	2	2
PCB in the Outdoor unit	Main PCB & Driver Board	Main PCB & Driver Board	Main PCB & Driver Board	Main PCB & Driver Board
Cabinet	M.S. powder coated both OU & IU	M.S. powder coated both OD & IU	M.S. powder coated both OD & IU	M.S. powder coated both OD & IU
Unit Dimension Depth L x B x H mm	OD 310 x 830 x 710 & IU 319 x 410 x 732	OD 360 x 880 x 800 & IU 319 x 410 x 732	OD 390 x 930 x 1270 & IU 319 x 410 x 732	OD 390 x 930 x 1270 & IU 319 x 410 x 732
Package dimension L x B x H mm	OD 930 x 440 x 850 & IU 815 x 505 x 435	OD 980 x 490 x 940 & IU 815 x 505 x 435	OD 1080 x 620 x 1020 & IU 815 x 505 x 435	OD 1080 x 620 x 1020 & IU 815 x 505 x 435
Net wieght	OU 50 Kg & IU 30 Kg	OU 60 Kg & IU 36 Kg	OU 121 Kg & IU 62 Kg	OU 121 Kg & IU 62 Kg
Gross weight	103 Kg	116kg	164kg	164kg
Testing condition:	Heating condition: outside temp.(DB/WB) = 7℃/6℃, water temp.(inlet/outlet) = 40℃/45℃. Cooling condition: outside temp.(DB/WB) = 35℃/24℃, water temp.(inlet/outlet) = 12℃/7℃.			
Picture				

Air source Multifunctional Heat Pump trinity for heating, cooling and free hot water with High COP, EER

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Description:

Multifunctional heat pump provides room heating, cooling and free domestic hot water for resident and commercial application.

Using free renewable energy from the air, the units are highly efficient with low running costs, low carbon emission and are able to be integrated with energy systems such as solar heater, radiator, under floor pipes and boiler.

Features:

Energy saving more than 75%

Intelligent automatic defrosting, more efficient in cold temp.

Economic & durable

Famous brand compressor

Cooling in summer, Heating in winter, Free hot water all the year round

Convenient for maintenance, operation, easy installation Low noise & vibration

Model		DKFXJT-3.0-11.2II/WFR		LSQ-5HJ/WFR		JT-20II/WFR		JT-28II/WFR		JT-45II/WFR		JT-60II/WFR		JT-68II/WFR		JT-80II/WFR		JT-100II/WFR		JT-130II/WFR	
Horse power	HP	3		5		6		10		12		15		20		25		30		40	
Heating or cooling Capacity		Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling
Capacity	kW	8	7.5	14.7	12.5	19.8	18	27.5	25	40	37.8	56	50	64	59.6	76	70	112	98.5	145	132
Power Input	kW	2.4	2.5	4.2	4.6	6.2	6.5	8.6	8.8	12.5	13.5	16.6	17.6	20	21.3	24	25	34	35.2	43	46
Current Input	A	15.00	16.00	8.60	9.20	11.00	12.00	17.00	18.00	22	24	30	32	38	40	44	48	60	64	78	80
Heating COP or Cooling EER		3.33	3.00	3.50	2.72	3.19	2.77	3.20	2.84	3.20	2.80	3.37	2.84	3.20	2.80	3.17	2.80	3.29	2.80	3.37	2.87
Rated Voltage / frequency	V/Hz	220-240/50		380-415V/50Hz/3Ph						380-415V/50Hz/3Ph						380-415V/50Hz/3Ph					
Max Power Input	kW	2.88	3	5.04	5.52	7.44	7.8	10.32	10.56	15	16.2	19.92	21.12	24	25.56	28.8	30	40.8	42.24	51.6	55.2
Max Current	A	18	19.2	10.32	11.04	13.2	14.4	20.4	21.6	26.4	28.8	36	38.4	45.6	48	52.8	57.6	72	76.8	93.6	96
Rated hot water output	L/H	230		430		560		800		1200		1600		2000		2400		3200		4000	
COP in Heating 40°C/45°C at 7°C /6°C ambient temp.		3.32	-	3.35	-	3.40	-	3.25	-	3.51	-	3.54	-	3.62	-	3.58	-	3.56	-	3.12	-
COP in Cooling 12°C/7°C at 35°C /24°C ambient temp.		-	2.85	-	2.89	-	2.81	-	2.85	-	2.79	-	2.85	-	2.83	-	2.78	-	2.82	-	2.81
Refrigerant type / Charge	... / kg	R22 or R410A /2.2		R22 or R410A /4		R22 or R410A /4.5		R22 or R410A /4*2		R22 or R410A /4.5*2		R22 or R410A /7.5*2		R22 or R410A /9*2		R22 or R410A /11*2		R22 or R410A /7.5*4		R22 or R410A /9.6*4	
Water connections	inch	1		1		1.5"		1.5"		1.5"		1.5"		2"		2"		2.5"		4"	
Heating / Cooling Water pipe	inch	16		19		19		19		19		22		28		28		28		28	
Supplementary heater vessel (not built-in)	L	10		10		10		10		20		20		20		20		20		20	
Hot water circulation flow	m³/h	3		5		6		10		15		20		25		35		40		50	
Water side pressure loss	kPa	35		35		35		35		35		35		35		35		35		35	
Water flow pressure drop	Mpa	0.01-0.02		0.01-0.02		0.01-0.02		0.01-0.02		0.01-0.02		0.01-0.02		0.01-0.02		0.01-0.02		0.01-0.02		0.01-0.02	
Suction/discharge max pressure	Mpa	0.8 / 2.8		0.8 / 2.8		0.8 / 2.8		0.8 / 2.8		0.8 / 2.8		0.8 / 2.8		0.8 / 2.8		0.8 / 2.8		0.8 / 2.8		0.8 / 2.8	
Unit protection class	IP	IPX4		IPX4		IPX4		IPX4		IPX4		IPX4		IPX4		IPX4		IPX4		IPX4	
Anti-electric shock class		Class 1		Class 1		Class 1		Class 1		Class 1		Class 1		Class 1		Class 1		Class 1		Class 1	
Operating in Ambient temp.	°C	(-15°C~45°C)		(-15°C~45°C)		(-15°C~45°C)		(-15°C~45°C)		(-15°C~45°C)		(-15°C~45°C)		(-15°C~45°C)		(-15°C~45°C)		(-15°C~45°C)		(-15°C~45°C)	
Hot water outlet temp	°C	55~60		55~60		55~60		55~60		55~60		55~60		55~60		55~60		55~60		55~60	
Cool water outlet temp		7/12°C		7/12°C		7/12°C		7/12°C		7/12°C		7/12°C		7/12°C		7/12°C		7/12°C		7/12°C	
Sound pressure level (1m)	dB (A)	50		65		65		68		68		72		72		72		74		74	
PLC Controller		Yes Digital LCD Controller				Yes Digital LCD Controller				Yes Digital LCD Controller				Yes Digital LCD Controller				Yes Digital LCD		Yes Digital LCD	
Net weight(Top/side type)	kg	88 / 80		125 / 130		138		230		300		500		680		800		1200		1350	
Net dimension(Top type)	mm	717x717x860=0.44m³		717x717x960=0.49m³		805x805x960=0.62m³		1424x1424x960=1.95m³		1600x1600x960=2.46m³		2000x1100x1980=3.96m³		2000x1100x1980=3.96m³		2000x1680x1980=6.65m³		2000x1800x1980=7.13m³		2000x1800x1980=7.13m³	
Net dimension(Side type)	mm	750x340x1200=0.31m³		920x390x1200=0.43m³		-		-		-		-		-		-		-		-	

Capacity and power input based on the GB/T18430.2-2008, GB/T21362-2008 conditions:

Heating mode: Water flow 0.172m³/(hKW), hot water outlet temp. 45°C, ambient temp. (DB/WB) 7/6°C

Cooling mode: Water flow 0.172m³/(hKW), cold water outlet temp. 7°C, ambient temp. 35°C

Hot water mode: Water flow 0.172m³/(hKW), hot water inlet/outlet temp. 15/55°C, ambient temp. (DB/WB) 20/15°C

Photo



Water source Heat Pump Water to water for heating, cooling with High COP, EER

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Description:

Water to water heat pumps can be applied in the independent and small scale space, such as multilayer apartments, villas, restaurants and entertainment places etc. This system can run at conditions of high or low ambient temperature with high COP & EER without ambient temp disturbance. It reduces cost up to 80%.

Features:

Convenient operation	Economic & durable	Intelligent defrosting
American Copeland scroll compressor	Low noise & vibration	Ambient working temp -30~60°C
Convenient for maintenance	Cooling in summer, Heating in winter	

Model			JT-06I/WFR	JT-08I/WFR	JT-10I/WFR	JT-13I/WFR	JT-18I/WFR	JT-20II/WFR	JT-25II/WFR	JT-30II/WFR	JT-50II/WFR	JT-60II/WFR	JT-90II/WFR	JT-140II/WFR	JT-150II/WFR
Heating	Capacity	kW	6.5	8.00	10	13	18	20.6	27.8	38.7	58.8	77.5	121.4	156	202.5
	Power input	kW	1.45	1.70	2.1	2.65	4.5	4.49	6.18	8.8	13.6	17.6	27.6	33.69	46
	COP	W/W	4.48	4.70	4.76	4.91	4	4.6	4.5	4.40	4.32	4.40	4.40	4.63	4.40
Cooling	Capacity	kw	5.8	6.4	8	10.4	14.3	16.48	22.24	29	50	58	91	140	151.8
	Power input	kw	1.81	1.94	2.58	3.47	4.47	4.99	6.35	6.73	11.90	13.43	20.78	28	36
	EER	W/W	3.2	3.3	3.1	3	3.2	3.3	3.5	4.31	4.2	4.32	4.38	5	4.22
Max. Power input		kW	1.96	2.30	2.84	3.58	6.08	6.06	8.34	10.12	21	21.8	33	46	55.2
Power supply		V/N/Hz	220-240/1/50	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	380-415/3/50	380-415/3/50	380-415/3/50
Rated current		A	6.4	8.2	10.6	13.2	25	6.8	8.65	20	26	40	68	60	110
Max. current		A	8.64	11.07	14.31	17.82	33.75	9.18	11.68	23	31	46	82	81	132
Max. water-out temp.		°C	60	60	60	60	60	60	60	60	60	60	60	60	60
Cold water temp.		°C	7/12°C	7/12°C	7/12°C	7/12°C	7/12°C	7/12°C	7/12°C	7/12°C	7/12°C	7/12°C	7/12°C	7/12°C	7/12°C
Hot water output		L/H	150	200	250	280	430	465	594	865	1276	1688	2617	3375	4545
Cooling water		L/H	998	1101	1376	1789	2460	2835	3825	6200	12500	12500	20000	24000	32000
Chilled water		L/H							4500	8800	10100	15000	17760	23000	
Domestic water flow		m³/h	1.7	1.7	1.7	2.2	3.5	3.75	4.6	6.75	10.2	13	21	27	27
Ground water flow		m³/h	1.5	1.5	1.5	2	3.5	3.5	5.8	5.46	8.29	10.93	17	22	22
Refrigerant type			R134a / R407C / R410A												
Compressor type			Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Copeland Scroll				Copeland Scroll			
Heat exchangers			Tube shell or double-pipe heat exchanger				Tube shell or double-pipe heat exchanger				Tube shell or double-pipe heat exchanger				
Connection pipe		inch	3/4	3/4	1	1	1	1	1	1.5"	2"	2"	3"	4"	4"
Net Dimensions(HxWxD)		mm	652x582x735	652x582x735	652x582x735	652x582x735	800x900x800	800x900x800	1080x800x900	1430x750x960	1600x900x860	2000x1100x1860	2000x1100x1860	1850*2600*1440	2000x2200x1860
Net / Gross weight		kg	76/85	79/88	82/91	87/95.6	150/175	150/175	166/188	230/250	480/510	520/540	680/720	1160/1210	1300/1338
Noise level		dB(A)	47	47	48	48	53	53	58	60	65	68	71	72	74
Unit protection class		IP	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4

Test conditon: Cooling: Water source inlet/outlet temperature 18/23°C; load side inlet/outlet temperature 12/7°C.
 Heating: Water source inlet temperature 15/10°C; load side inlet/outlet temperature 40/45°C.

