



FOSHAN GOODHEAT TECHNOLOGY LTD

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R290 Mono Inverter Heat Pump

- *Heating, cooling and hot water three -in -one
- *High Efficiency A+++ Energy Level
- *Full DC inverter compressor and fan motor
- *4 -inch smart colorful touch screen
- *Stable Running at -25°C Ambient Temperature
- *Noise Reduction Technology
- *Modern appearance
- *Outlet water temperature up to 75°C
- *WIFI module
- *4G module(optional)
- *R290 refrigerant, eco-friendly
- *Smart Energy Management System
- *Smart terminal management system
- *SG Ready function
- *Dual temperature zone control function
- *Built-in refrigerant gas sensor
- *Intelligent defrosting
- *Zero cooling water(Backwater function)
- *Remote control system(APP+IOT)
- *Automatic remote software upgrade system(OTA)
- *Centralized-control function(Support 16 units centralized control)
- *Web Product Management Center
- *Provide Personalized Customized Products



Capacity			6kW	8kW	10kW	10kW	12kW	12kW	16kW	16kW	18kW	18kW	24kW
Sales Model			GSHVSH-6AA1	GSHVSH-8AA1	GSHVSH-10AA1	GSHVTH-10AA1	GSHVSH-12AA1	GSHVTH-12AA1	GSHVSH-16AA1	GSHVTH-16AA1	GSHVSH-18AA1	GSHVTH-18AA1	GSHVTH-24AA1
Power Supply			220~240V~ /50Hz	220~240V~ /50Hz	220-240~ / 50Hz	380~415V/3N~ /50Hz	220-240~ / 50Hz	380~415V/3N~ /50Hz	220-240V~ / 50Hz	380~415V/3N~ /50Hz	220~240V ~ / 50Hz	380~415V / 3N / 50Hz	380~415V / 3N / 50Hz
Heating Capacity (Max) (A7/6°C,W30/35°C)	Heating Capacity	kW	2.63 ~ 9.10	3.57 ~ 12.29	4.39 ~ 13.50	4.39 ~ 13.50	4.39 ~ 15.45	4.39 ~ 15.45	6.17 ~ 18.51	6.17 ~ 18.51	6.50 ~ 22.00	6.50 ~ 22.00	9.63~29.13
	Power Input	kW	0.54 ~ 2.28	0.74 ~3.17	0.89 ~ 3.55	0.89 ~ 3.55	0.89 ~ 4.06	0.89 ~ 4.06	1.26 ~ 4.83	1.26 ~ 4.83	1.35 ~ 5.88	1.35 ~ 5.88	2.00~7.82
	Current Input	A	2.37 ~ 10.01	3.23 ~ 13.91	4.12 ~ 15.59	1.84 ~ 5.95	4.12 ~ 17.83	1.84 ~ 6.81	5.53 ~ 21.21	2.11 ~ 8.11	2.27 ~ 9.87	2.27 ~ 9.87	3.75~12.18
	COP	W/W	4.20 ~ 5.40	4.10 ~ 5.35	3.90 ~ 5.30	3.90 ~ 5.30	3.85 ~ 5.20	3.85 ~ 5.20	3.75 ~ 5.00	3.75 ~ 5.00	3.82 ~ 5.30	3.82 ~ 5.30	3.86 ~ 5.30
Heating Capacity (Max) (A7/6°C,W47/55°C)	Heating Capacity	kW	2.99~8.19	3.65 ~10.96	3.85 ~ 11.75	3.85 ~ 11.75	3.85 ~ 13.35	3.85 ~ 13.35	5.75 ~ 17.20	5.75 ~ 17.20	5.45 ~ 18.89	5.45 ~ 18.89	8.45~25.89
	Power Input	kW	1.03~2.92	1.11~3.87	1.20 ~ 4.35	1.20 ~ 4.35	1.20 ~ 5.03	1.20 ~ 5.03	1.81 ~ 5.84	1.81 ~ 5.84	2.15 ~ 6.85	2.15 ~ 6.85	2.86~9.12
	Current Input	A	4.57~12.79	4.87~17.01	5.27 ~ 19.10	2.01 ~ 6.34	5.27 ~ 22.09	2.01 ~ 8.44	7.95 ~ 25.65	3.04 ~ 9.80	9.84 ~ 30.12	3.71 ~ 10.60	4.94~14.50
	COP	W/W	2.90 ~ 3.46	2.83 ~ 3.45	2.75 ~ 3.57	2.75 ~ 3.57	2.65 ~ 3.57	2.65 ~ 3.57	2.83 ~ 3.45	2.83 ~ 3.45	2.64 ~ 3.57	2.64 ~ 3.57	2.84 ~ 3.57
Cooling Capacity (Max) (A35/24°C,W12/7°C)	Cooling Capacity	kW	1.38~5.70	1.44~8.11	3.65 ~ 9.45	3.65 ~ 9.45	3.65 ~ 11.04	3.65~11.04	4.03 ~ 13.51	4.03 ~ 13.51	4.55 ~ 17.20	4.55 ~ 17.20	6.15~19.50
	Input Power	kW	0.67~2.44	0.90~3.20	1.12~3.51	1.12~3.51	1.12~3.97	1.12 ~ 3.97	1.45 ~ 5.03	1.45 ~ 5.03	1.85 ~ 7.31	1.85 ~ 7.31	2.50~9.75
	Input Current	A	3.06~10.27	3.93~14.05	5.18~15.42	1.97~5.89	5.18~17.44	1.97 ~ 6.30	6.37 ~ 22.09	2.43 ~ 8.44	8.47 ~ 32.1	2.99 ~ 11.26	4.20~16.36
	EER	W/W	2.03~3.20	2.00~3.15	2.00~3.10	2.00~3.10	1.95~3.00	1.95~3.00	1.98~3.05	1.98~3.05	1.96 ~ 2.98	1.96 ~ 2.98	2.03~3.00
ERP Level (Outlet water temp. at 35°C/55°C)		/	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A++	A+++/A++	A+++/A+++	A+++/A+++	A+++/A+++
Rated Input Power		kW	3.6	4.65	5.05	5.05	5.45	5.86	6.95	6.95	7.5	10.52	12.52
Rated Input Current		A	15.0	20.4	23.0	8.5	25.0	10.0	30.5	11.7	35.0	17.3	19.5
Refrigerant Type / Charge / GWP		... / kg	R290 / 0.85 / 3	R290 /0.90 / 3	R290 / 1.00 / 3	R290 / 1.00 /3	R290 / 1.00 / 3	R290 / 1.00 /3	R290 / 1.15 /3	R290 / 1.15 /3	R290 / 1.4 / 3	R290 / 1.4 / 3	R290 / 1.8/ 3
Rated water flow		m³/h	1.00	1.37	1.7	1.7	2.06	2.06	2.75	2.75	3.1	3.1	4.2
Fan quantity		/	1	1	1	1	1	1	1	1	2	2	2
Fan motor type		/	DC inverter										
Compressor		/	DC inverter										
Circulating pump		/	Inverter type / Built-in										
IP Class		/	IPX4										
Sound pressure at 1m distance		dB(A)	43 (39~51)	43 (39~51)	44 (39~52)	44 (39~52)	46 (39~52)	46 (39~52)	48 (39~55)	48(39~55)	49 (39~55)	49 (39~55)	52(50~60)
Max. outlet water Temp.		°C	75	75	75	75	75	75	75	75	75	75	75
Water Piping Connections		inch	G1	G1	G1	G1	G1	G1	G1 - 1 / 4	G1 - 1 / 4	G1 - 1 / 4	G1 - 1 / 4	G1 - 1 / 2
Water Pressure Drop		kPa	20	25	20	20	20	20	55	55	55	55	60
Operating temperature range (Heating mode)		°C	-25~45										
Operating temperature range (Cooling mode)		°C	16~45										
Unpacked Dimensions (LxDxH)		mm	1290*460*955	1290*460*955	1290*460*955	1290*460*955	1290*460*955	1290*460*955	1290*460*1050	1290*460*1050	1190*500*1505	1190*500*1505	1190*500*1505
Packed Dimensions (LxDxH)		mm	1320*490*1094	1320*490*1094	1320*490*1094	1320*490*1094	1320*490*1094	1320*490*1094	1320*490*1200	1320*490*1200	1220*530*1644	1220*530*1644	1220*530*1644
UnPacked Weight		kg	110	125	135	140	135	140	160	165	185	195	215
Packed Weight		kg	115	135	155	160	155	160	175	180	205	215	235