

PRODUCT CATALOG

Gassero

technology for your comfort

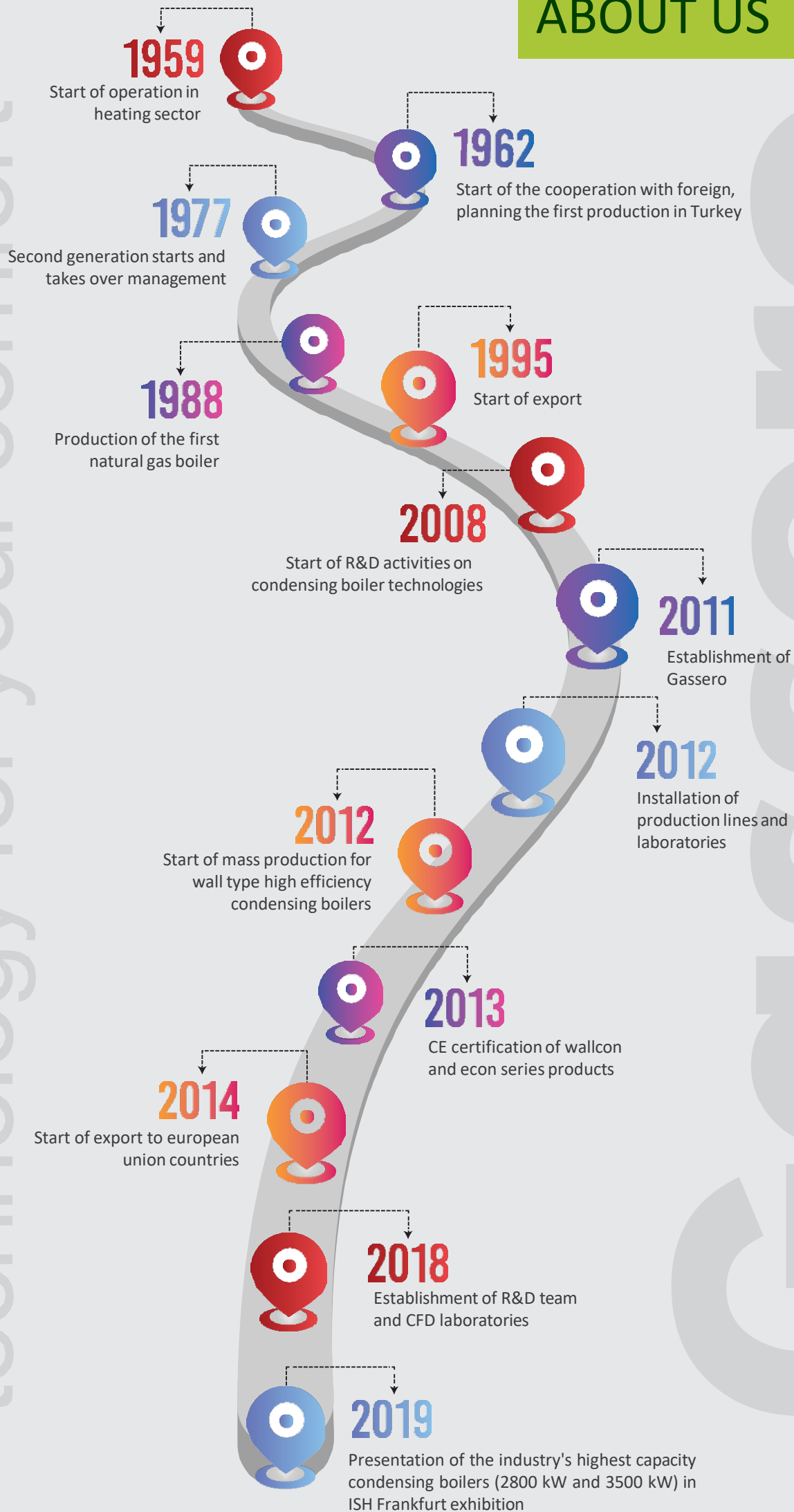


ECO FRIENDLY

HEAT PUMP

www.gassero.com

ABOUT US



technology for your comfort

Gas
Boilers

OUR BASIS VAULES

Our company, whose sales department completed many successful projects in both Turkey and abroad, continues developing innovative products with its R&D department.

INNOVATIVE

Most of our investment is used in our R&D department for new projects.

ENVIRONMENTALIST

We are aware, that the resources of our World are slowly dwindling. We design our products with this knowledge, and give priority to renewable energy solutions

COMPETITIVE

We analyse the expectations of our sector and customers, and improve our designs and solutions according to these analysis.

CUSTOMER ORIENTED

We work in order to fully satisfy our domestic and abroad customers needs.

RELIABLE

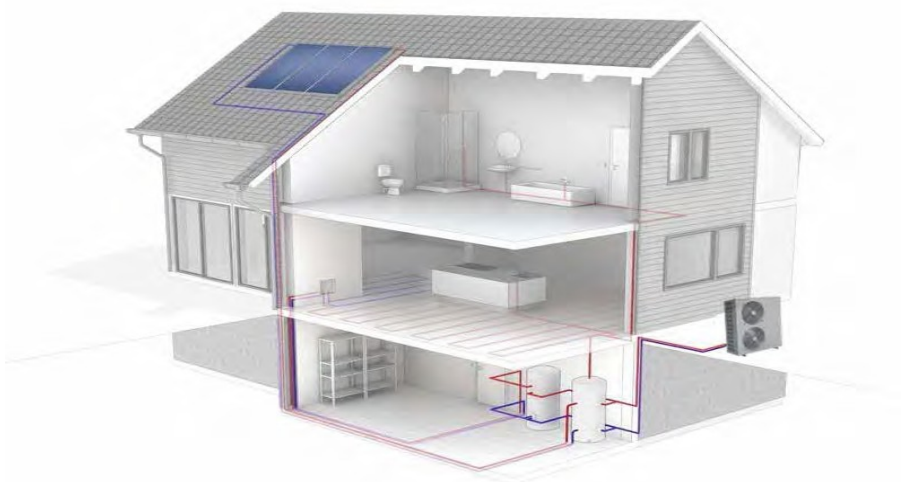
All of our products and solutions are subjected to meticulous design-manufacture-quality control procedures.

OUR MISSION

To be a brand, which is preferred company by its customers with its respect to environment, no compromise on quality, and new its innovative team.

OUR VISION

To be a global company in our sector, whose products are associated with QUALITY and RELIABILITY.



Monoblock DC Inverter Heat Pump

GASSERO Air to Water DC Inverter Heat Pump is air conditioning system designed to supply heating/cooling and hot water requirements of the building. All models suitable for all mounting types and can be used with underfloor heating, radiators or fan coil systems. Also you can save space by small compact Monoblock design.

This series have more efficient and nature friendly design with a new generation R32 gas than old generation R410 series. While same system and capacity, although R410 needs 100 unit gas, R32 needs 71 unit gas.

	R410a	R32	Explanation
Global warming potential	2100	675	Equal to 1/ 3
Gas amount in same system	%100	%71	Less gas amount in same capacity



Working principle of the Gassero DC Inverter Heat Pump is based on the transferring the heat energy from one environment to another environment with an electric power.

The heat pump circuit starts with the liquid in evaporator turning to vapour form while passing with absorbing the heat of the environment, then R32 gas vapour is sent to system via compressor. The high temperature R32 vapour turn to liquid form with transferring the heat energy to water by condenser. R32 liquid that comes out the condender depressurize with expansion valve and heat pump circuit is end.



Monoblock DC Inverter Heat Pump

High Quality Components

Control Panel with Smart WiFi Features

Ease of use with functional control panel.



DC Inverter Compressor

Stable and efficient operation



ErP Inverter Pump

A Class high efficient inverter water pump suitable for European ErP regulation can control working frequency according to the heat pump load. High precision water temperature control is provided with this features.



Inverter Fan Motor Structure

DC Inverter fan can control the air volume high precisely, with this technology more energy saving and efficiency can be gain.



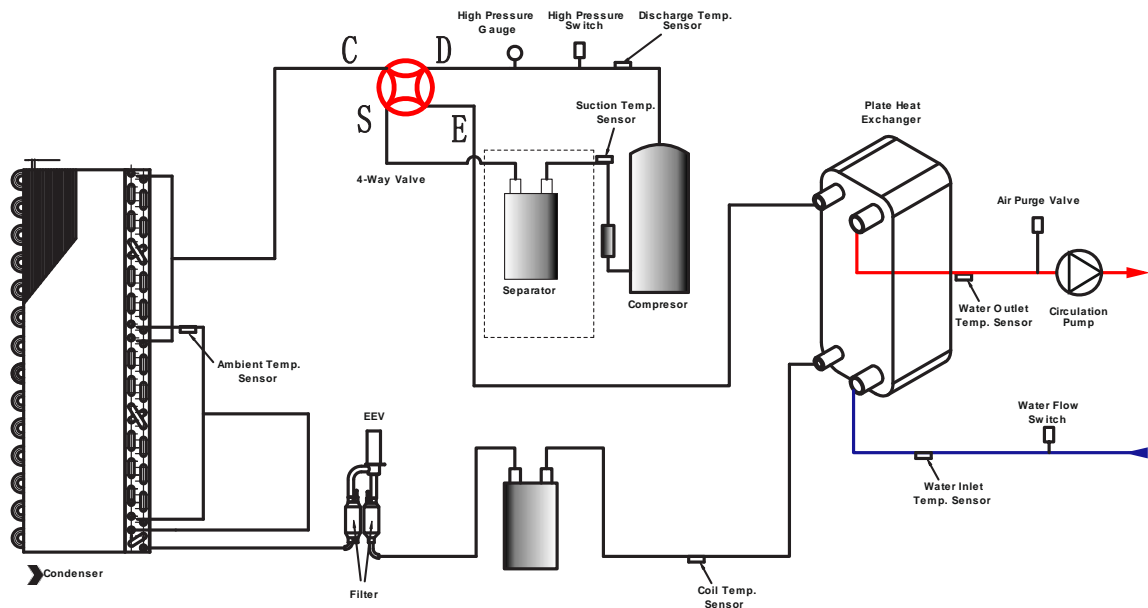
Plate Heat Exchanger Special Structure

High efficient plate heat exchanger can transfer more heat energy with special louver fin structure than the normal flat fin heat exchanger, also it can makes more heat transfer with special copper form inside of pipe and this increases the heat pump efficiency.



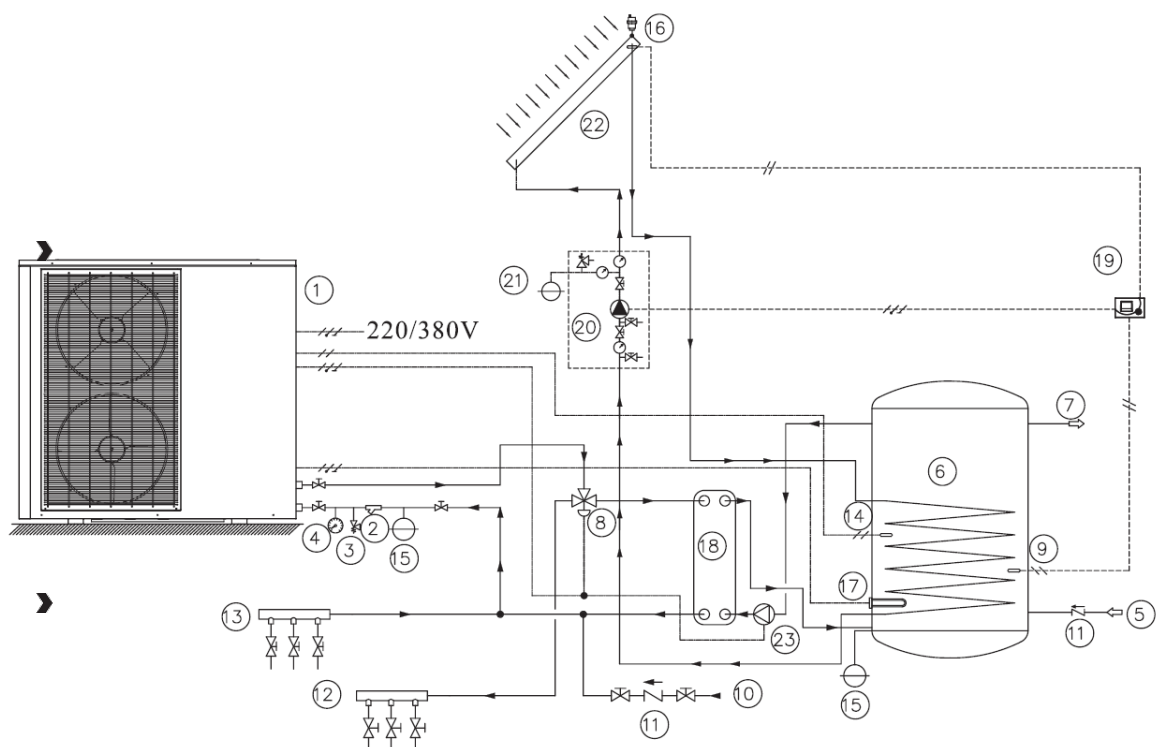
Monoblock DC Inverter Heat Pump

Working Principle



Special Design, Precise Control, Maximum Comfort

Gassero heat pump can work in systems as radiator, floor heating, fan coil and domestic hot water heating. Also can supply request of different users with integrating option to solar collector, extra heat source and etc. systems.



- 1 - Gassero Heat Pump
- 2 - Filter
- 3 - Safety Valve
- 4 - Water Pressure Gauge
- 5 - Circulation Pump
- 6 - Buffer Tank

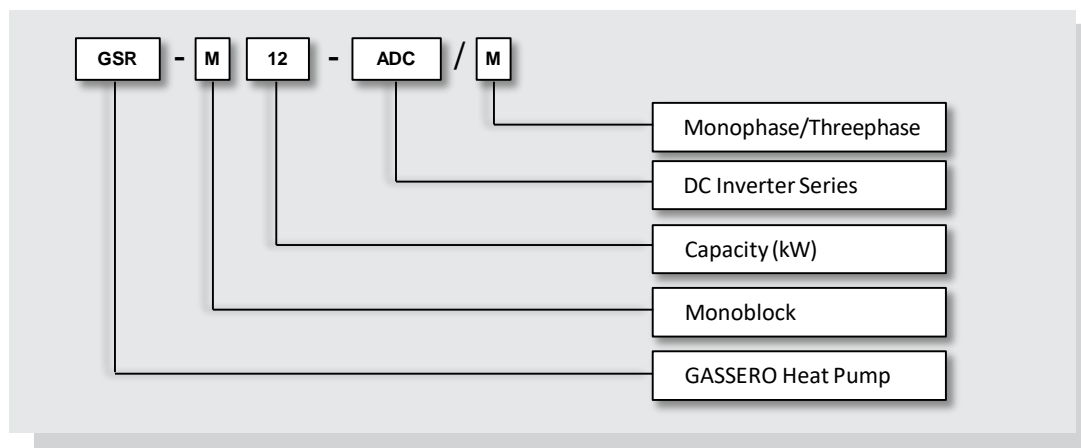
- 7 - "Tc" Probe
- 8 - "Th" Probe
- 10 - Water Inlet
- 11 - One Way Valve
- 12 - Supply Collector for Heating/Cooling
- 13 - Return Collector for Heating/Cooling

- 14 - "Tw" Probe
- 15 - Electrical Heater (Optional)
- 17 - Electrical Heater (Optional)
- 18 - Plate Heat Exchanger
- 19 - Solar Control Board

- 20 - Solar Group
- 21 - Solar Expansion Vessel
- 22 - Solar Panel
- 23 - Pump

Monoblock DC Inverter Heat Pump

Model Explanation



Technical Information

Model			GSR-M6-ADC/M	GSR-M9-ADC/M	GSR-M12-ADC/M	GSR-M15-ADC/T	GSR-M19-ADC/T
Power Supply							
Power Supply / Refrigerant		V/Hz/Ph	220-240/50/1 - R32			380-420/50/3 - R32	
Performance							
Max. Heating Capacity (1)		kW	6.5	9.2	11.6	15.35	18.5
C.O.P (1)		W/W	4.61	4.38	4.3	4.78	4.47
Heating Capacity Min./Max.(1)		kW	3.5 / 6.5	4.3/9.2	5.5 / 11.6	6/15.35	9.2/18.5
Heating Power Input Min./Max.(1)		W	758 / 1410	927/2097	1107 / 2683	1222/3209	1834/4142
C.O.P Min./Max.(1)		W/W	4.5 / 4.7	4.38/4.71	4.3 / 4.9	4.78/5.06	4.47/5.01
Max. Heating Capacity(2)		kW	6	8.6	11.2	14.26	18.2
C.O.P (2)		W/W	3.46	3.37	3.45	3.64	3.6
Heating Capacity Min./Max.(2)		kW	3.15 / 6	3.9/8.6	4.9 / 11.2	5.6/14.26	8.5/18.2
Heating power input Min./Max.(2)		W	943 / 1732	1162/2550	1401 / 3263	1551/3913	2248/4998
C.O.P Min./Max.(2)		W/W	3.34 / 3.56	3.37/3.58	3.3 / 3.5	3.64/3.82	3.6/3.82
Max. Cooling Capacity (3)		kW	7.45	9.5	9.8	18.57	22.5
E.E.R (3)		W/W	4.05	4.23	3.9	3.78	3.58
Cooling Capacity Min./Max.(3)		kW	6.22/7.45	6.7/9.5	7.2/9.8	7.23/18.57	8.5/22.5
Cooling Power Input Min./Max.(3)		W	1400/1863	1679/2242	1791/2510	1334/4917	1660/6285
E.E.R Min./Max.(3)		W/W	4.05/4.45	4.0/4.6	4.0/3.8	3.78/5.42	3.58/5.12
Max. Cooling Capacity (4)		kW	4.5	7.2	8.5	13	16
E.E.R (4)		W/W	2.7	2.8	2.9	2.96	2.85
Cooling Capacity Min./Max.(4)		kW	3.5/4.5	4.9/7.2	4.9 / 8.5	4.46/13	5.5/16
Cooling Power Input Min./Max.(4)		W	1.33/1.68	1451/2366	1358 / 2987	2592/4390	2970/5510
E.E.R Min./Max.(4)		W/W	2.5/2.74	2.8/3.1	2.6 / 3.5	2.96/3.29	2.85/3.2
Workable Ambient Temperature Range		°C	-25~43				
Min. System Water Temperature (Heating / Cooling)		°C	20 / 7				
Min. Floor Area for installation, operation and storage		m2	7	17	28	56	58
Min. Area of Pipe-work		m2	7	17	28	56	58
Max. Operation High Pressure		MPa	4.2				
Max. Operation Low Pressure		MPa	1.2				
Components							
Compressor	Type - Quantity/System		Twin Rotary - 1	Twin Rotary - 1	Twin Rotary - 1	Twin Rotary - 1	Twin Rotary - 1
Fan	Quantity		1	1	1	2	2
	Airflow	m3/h	2500	3150	3150	6200	7000
	Rated power	W	34	45	45	90	120
Noise Level (sound power)	Indoor/Outdoor	dB(A)	44/52	44/53	44/52	44/59	44/61
Water Side Heat Exchanger	Type		Plate Heat Exchanger				
	Water Pressure Drop	kPa	26	26	26	26	26
	Piping Connection	Inch	G1"	G1"	G1"	G1-1/4"	G1-1/4"
Hydraulics							
Allowable Water Flow	Min./Rated./Max.	L/S	0.21/0.29/0.35	0.26/0.43/0.52	0.34/0.57/0.68	0.43/0.71/0.85	0.55/0.92/1.1
Dimensions and Weight							
Net Dimension(LxDxH)	Indoor Unit	mm	570x550x255	570x550x255	570x550x255	570x550x255	570x550x255
	Outdoor Unit	mm	1010x370x700	1165x370x845	1165x370x845	1085x390x1450	1085x390x1450
Net Weight	Indoor Unit	Kg	25	25	25	25	25
	Outdoor Unit	Kg	65	78	85	120	130

Note:

(1) Heating condition: water inlet/outlet temperature: 30°C/35°C, Ambient temperature: DB 7°C/WB 6°C;

(2) Heating condition: water inlet/outlet temperature: 40°C/45°C, Ambient temperature: DB 7°C/WB 6°C;

(3) Cooling condition: water inlet/outlet temperature: 23°C/18°C, Ambient temperature: DB 35°C/WB 24°C;

(4) Cooling condition: water inlet/outlet temperature: 12°C/7°C, Ambient temperature: DB 35°C/WB 24°C;

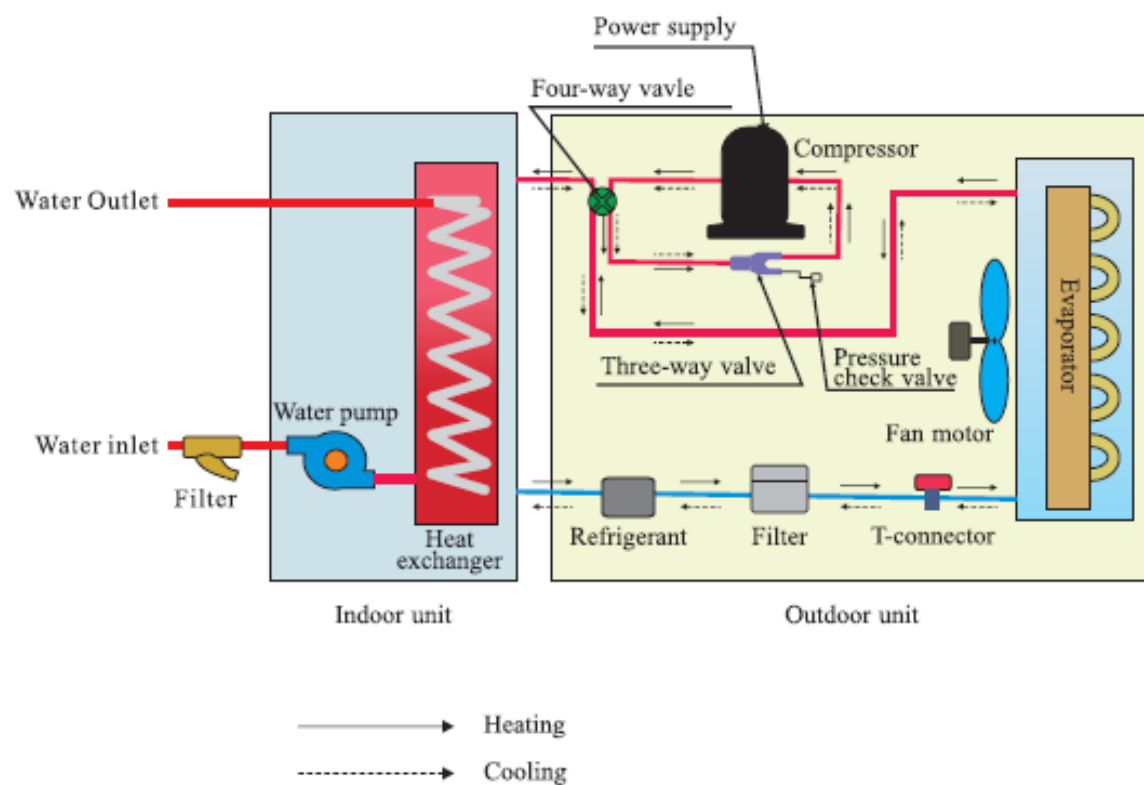
(5) The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

SPLIT DC Inverter Heat Pump

Gassero Air to Water DC Inverter Split Heat Pump is an air conditioning system designed to provide building heating/cooling and domestic hot water requirements. Also split structure gives more flexible installation advantage.

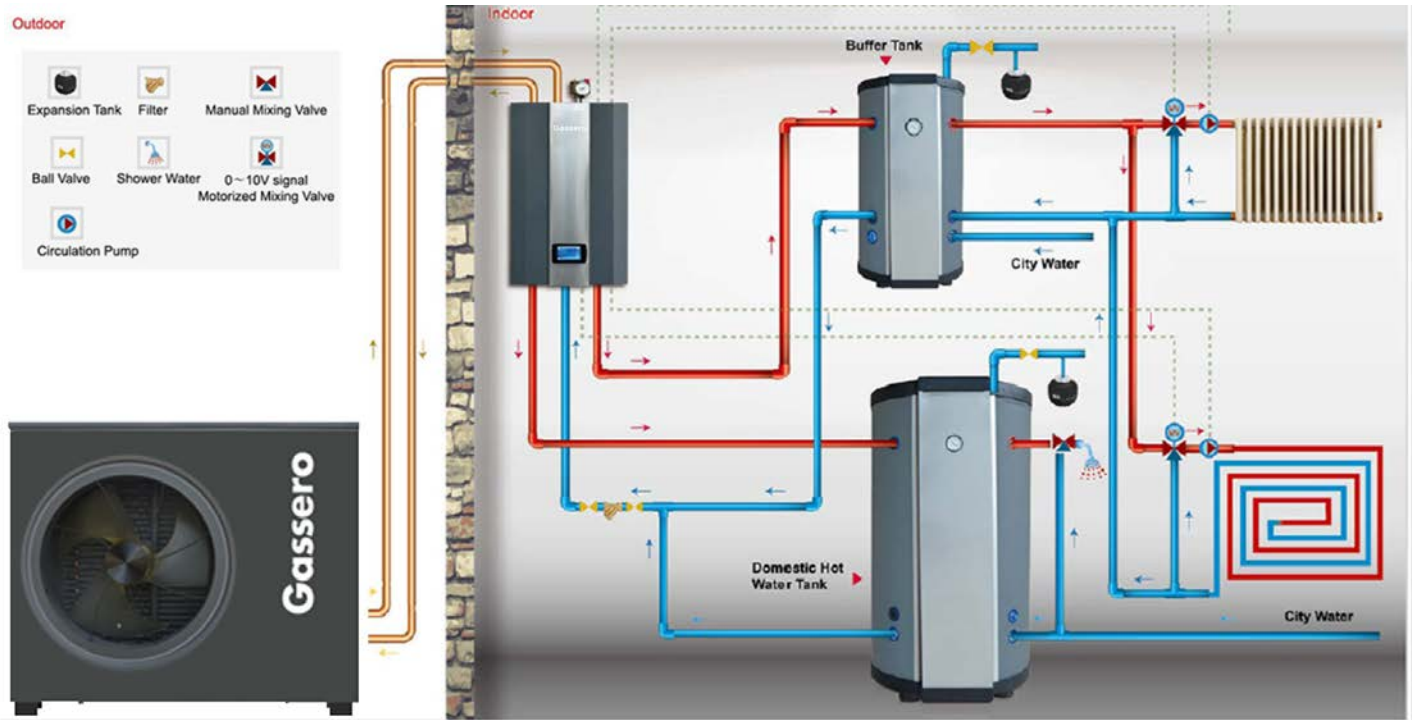


Working Principle



SPLIT DC Inverter Heat Pump

Installation Scheme



SPLIT DC Inverter Heat Pump

Model Explanation

Control Panel with Smart WiFi Features 4,3" touchscreen display with user friendly interface and powerful functions.
WiFi access and BMS integration option.



Heating Curve

Adjust outlet water temperature based on ambient temperature automatically.

Modbus

Easy to communicate with BMS for smart building.

Two Mixing Circuit

Two mixing circuits control for different zones.

WIFI Module

Connect online monitoring platform to check realtime running status, historical data, failure record and make the setting to heat pump remotely.

Smart defrosting

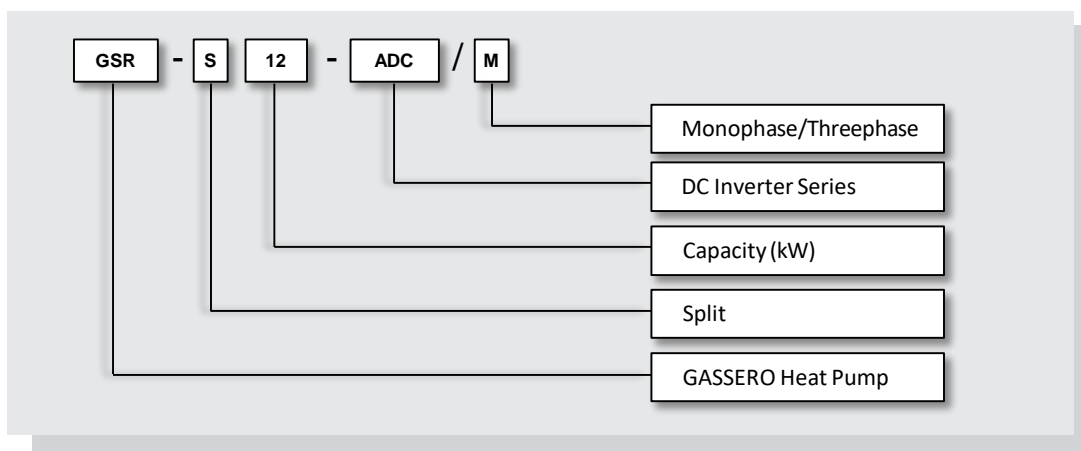
Smart defrosting based on status of environment and heat pump which benefits performance of heat pump effectively.

Emergency Operation

Automatically or one button to start available backup heaters for emergency operation. always keep your house comfortable.

SPLIT DC Inverter Heat Pump

Model Explanation



Technical Information

Model			GSR-S9-ADC/M	GSR-S12-ADC/M	GSR-S16-ADC/T	GSR-S19-ADC/T
Power Supply						
Power Supply / Refrigerant		V/Hz/Ph	220-240/50/1 - R32		380-420/50/3 - R32	
Performance						
Max. Heating Capacity (1)		kW	9.2	11.6	15.35	18.5
C.O.P (1)		W/W	4.38	4.3	4.78	4.47
Heating Capacity Min./Max.(1)		kW	4.3/9.2	5.5 / 11.6	6/15.35	9.2/18.5
Heating Power Input Min./Max.(1)		W	927/2097	1107 / 2683	1222/3209	1834/4142
C.O.P Min./Max.(1)		W/W	4.38/4.71	4.3 / 4.9	4.78/5.06	4.47/5.01
Max. Heating Capacity(2)		kW	8.6	11.2	14.26	18.2
C.O.P (2)		W/W	3.37	3.45	3.64	3.6
Heating Capacity Min./Max.(2)		kW	3.9/8.6	4.9 / 11.2	5.6/14.26	8.5/18.2
Heating power input Min./Max.(2)		W	1162/2550	1401 / 3263	1551/3913	2248/4998
C.O.P Min./Max.(2)		W/W	3.37/3.58	3.3 / 3.5	3.64/3.82	3.6/3.82
Max. Cooling Capacity (3)		kW	9.5	9.8	18.57	22.5
E.E.R (3)		W/W	4.23	3.9	3.78	3.58
Cooling Capacity Min./Max.(3)		kW	6.7/9.5	7.2/9.8	7.23/18.57	8.5/22.5
Cooling Power Input Min./Max.(3)		W	1679/2242	1791/2510	1334/4917	1660/6285
E.E.R Min./Max.(3)		W/W	4.0/4.6	4.0/3.8	3.78/5.42	3.58/5.12
Max. Cooling Capacity (4)		kW	7.2	8.5	13	16
E.E.R (4)		W/W	2.8	2.9	2.96	2.85
Cooling Capacity Min./Max.(4)		kW	4.9/7.2	4.9 / 8.5	4.46/13	5.5/16
Cooling Power Input Min./Max.(4)		W	1451/2366	1358 / 2987	2592/4390	2970/5510
E.E.R Min./Max.(4)		W/W	2.8/3.1	2.6 / 3.5	2.96/3.29	2.85/3.2
Workable Ambient Temperature Range		°C	-25~43			
Min. System Water Temperature (Heating / Cooling)		°C				
Min. Floor Area for installation, operation and storage		m2	22	28	56	58
Min. Area of Pipe-work		m2	22	28	56	58
Max. Operation High Pressure		MPa				
Max. Operation Low Pressure		MPa				
Components						
Compressor	Type - Quantity/System		Twin Rotary - 1			
Fan	Quantity		1	1	2	2
	Airflow	m3/h	3150	3150	6200	7000
	Rated power	W	45	45	90	120
Noise Level (sound power)	Indoor/Outdoor	dB(A)	44/53	44/52	44/59	44/61
Water Side Heat Exchanger	Type		Plate Heat Exchanger			
	Water Pressure Drop	kPa	26	26	26	26
	Piping Connection	Inch	G1"	G1"	G1-1/4"	G1-1/4"
Hydraulics						
Allowable Water Flow	Min./Rated./Max.	L/S	0.26/0.43/0.52	0.34/0.57/0.68	0.43/0.71/0.85	0.55/0.92/1.1
Dimensions and Weight						
Net Dimension(LxD×H)	Indoor Unit	mm	790x290x505	790x290x505	500x300x750	500x300x750
	Outdoor Unit	mm	1165x370x845	1165x370x845	1085x390x1450	1085x390x1450
Net Weight	Indoor Unit	Kg	39	39	44	46
	Outdoor Unit	Kg	75	79	120	130

Note:

(1) Heating condition: water inlet/outlet temperature: 30 °C/35°C, Ambient temperature: DB 7 °C /WB 6 °C

(2) Heating condition: water inlet/outlet temperature: 40°C/45°C, Ambient temperature: DB 7 °C /WB 6 °C

(3) Cooling condition: water inlet/outlet temperature: 23 °C/18°C, Ambient temperature: DB 35 °C /WB 24 °C

(4) Cooling condition: water inlet/outlet temperature: 12°C/7°C, Ambient temperature: DB 35 °C /WB 24 °C

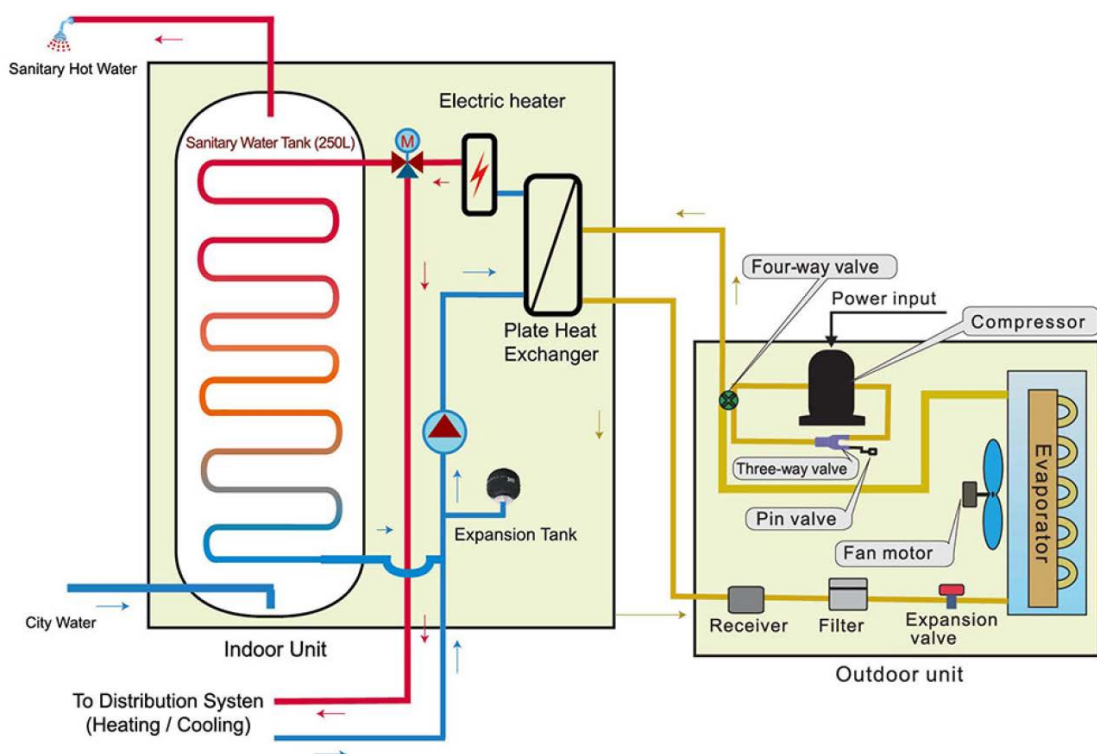
The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

ALL IN ONE SYSTEM HEAT PUMP

All In One System are split systems combining a water tank in its indoor section. This structure minimizes the installation of a water tank in the house.

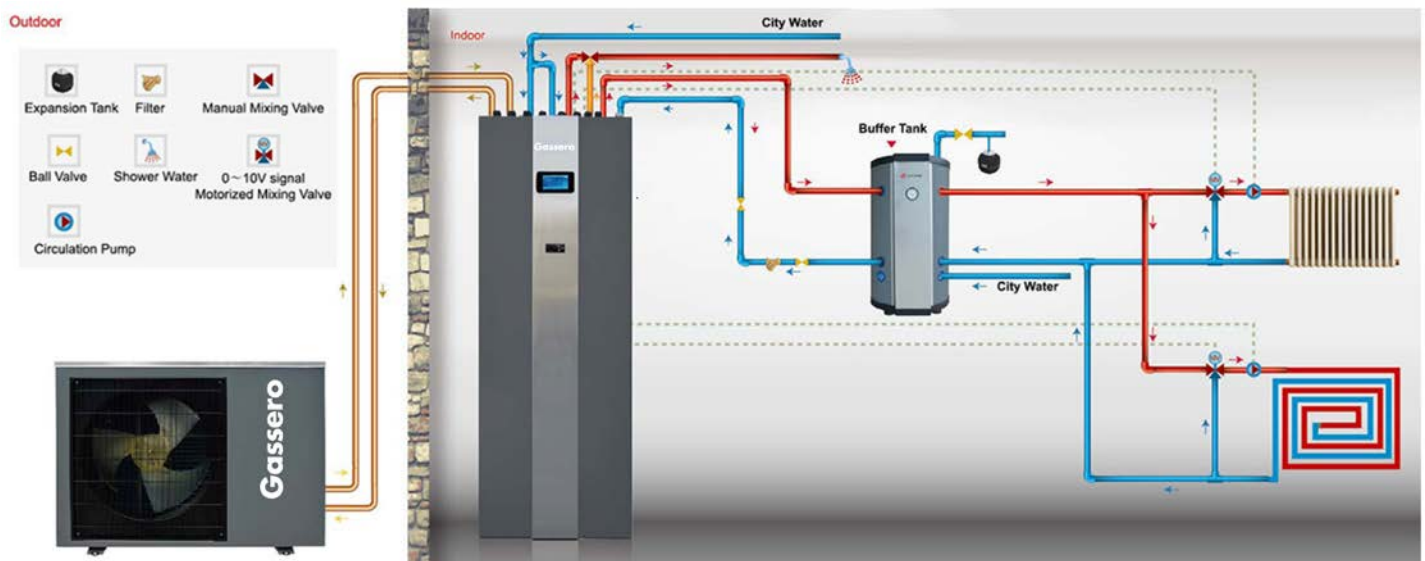


Working Principle



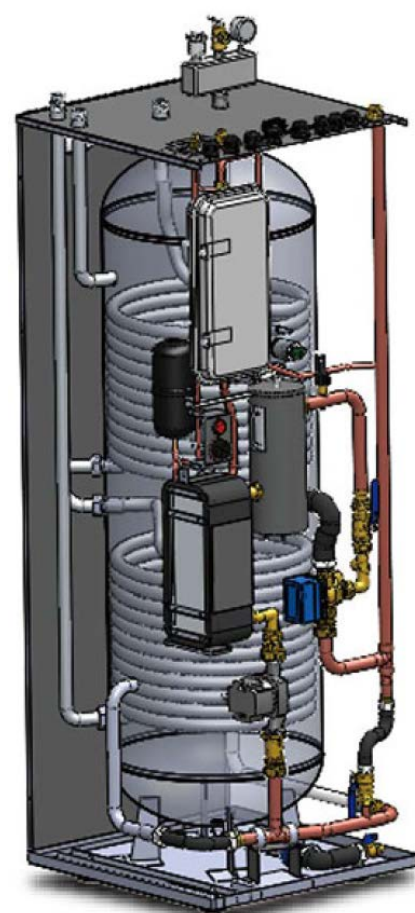
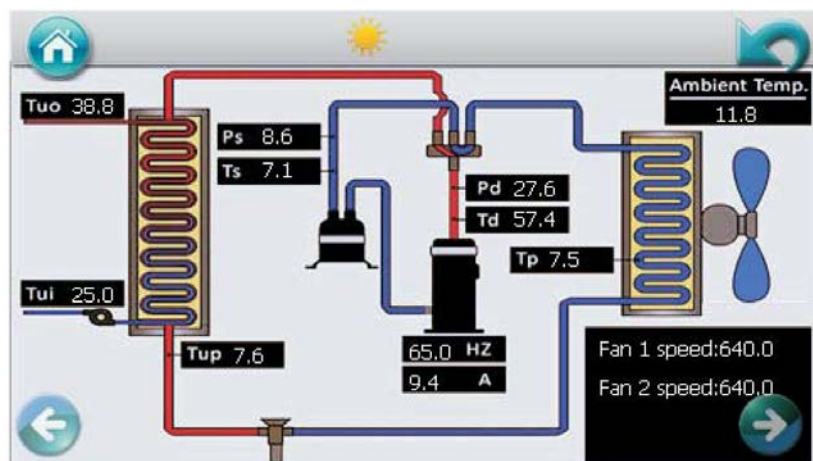
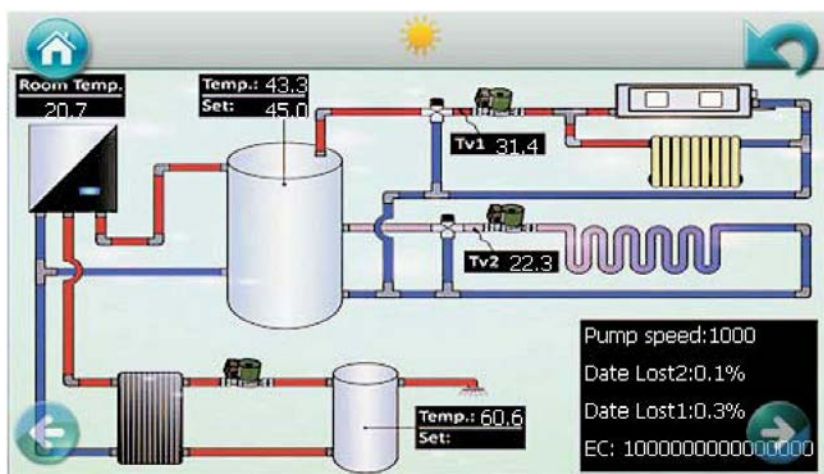
ALL IN ONE SYSTEM HEAT PUMP

Installation Scheme



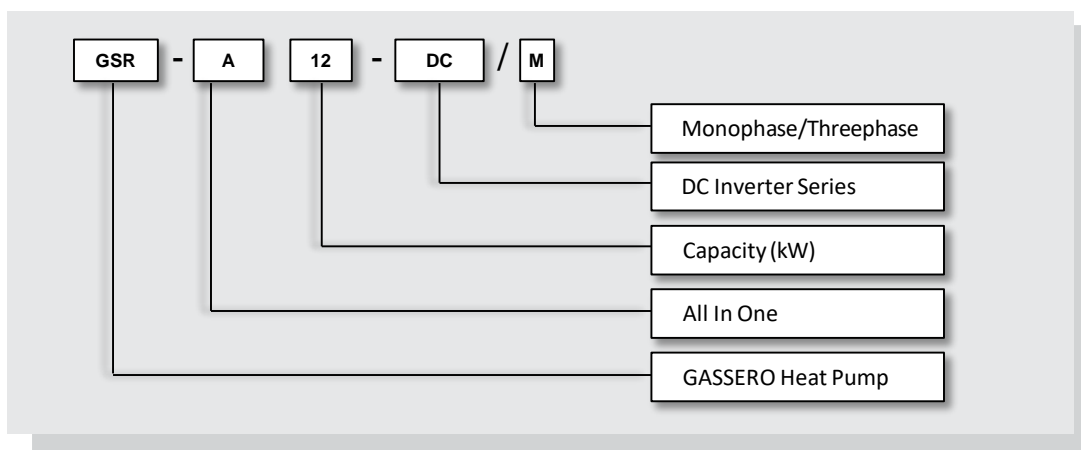
ALL IN ONE SYSTEM HEAT PUMP

All In One Systems are split systems combining a water tank in its indoor section. This structure minimizes the installation of a water tank in the house.



ALL IN ONE SYSTEM HEAT PUMP

Model Explanation



Technical Information

Model		GSR-A9-DC/M	GSR-A12-DC/M
Power Supply			
Power Supply / Refrigerant	V/Hz/Ph	220-240/50/1 - R32	
Performance			
Max. Heating Capacity (1)	kW	9.2	11.6
C.O.P (1)	W/W	4.38	4.3
Heating Capacity Min./Max.(1)	kW	4.3/9.2	5.5 / 11.6
Heating Power Input Min./Max.(1)	W	927/2097	1107 / 2683
C.O.P Min./Max.(1)	W/W	4.38/4.71	4.3 / 4.9
Max. Heating Capacity(2)	kW	8.6	11.2
C.O.P (2)	W/W	3.37	3.45
Heating Capacity Min./Max.(2)	kW	3.9/8.6	4.9 / 11.2
Heating power input Min./Max.(2)	W	1162/2550	1401 / 3263
C.O.P Min./Max.(2)	W/W	3.37/3.58	3.3 / 3.5
Max. Cooling Capacity (3)	kW	9.5	9.8
E.E.R (3)	W/W	4.23	3.9
Cooling Capacity Min./Max.(3)	kW	6.7/9.5	7.2/9.8
Cooling Power Input Min./Max.(3)	W	1679/2242	1791/2510
E.E.R Min./Max.(3)	W/W	4.0/4.6	4.0/3.8
Max. Cooling Capacity (4)	kW	7.2	8.5
E.E.R (4)	W/W	2.8	2.9
Cooling Capacity Min./Max.(4)	kW	4.9/7.2	4.9 / 8.5
Cooling Power Input Min./Max.(4)	W	1451/2366	1358 / 2987
E.E.R Min./Max.(4)	W/W	2.8/3.1	2.6 / 3.5
Workable Ambient Temperature Range	°C	-25~43	
Min. System Water Temperature (Heating / Cooling)	°C		
Min. Floor Area for installation, operation and storage	m ²	17	28
Min. Area of Pipe-work	m ²	17	28
Max. Operation High Pressure	MPa	4,2	
Max. Operation Low Pressure	MPa		
Components			
Compressor	Type - Quantity/System	Twin Rotary - 1	
Fan	Quantity	1	1
	Airflow	m ³ /h	3150
	Rated power	W	45
Noise Level (sound power)	Indoor/Outdoor	dB(A)	44/53
	Type	Plate Heat Exchanger	
Water Side Heat Exchanger	Water Pressure Drop	kPa	26
	Piping Connection	Inch	G1"
Hydraulics			
Allowable Water Flow	Min./Rated./Max.	L/S	0.26/0.43/0.52
			0.34/0.57/0.68
Dimensions and Weight			
Net Dimension(LxDxH)	Indoor Unit	mm	600x650x1720
	Outdoor Unit	mm	1165x370x845
Net Weight	Indoor Unit	Kg	121
	Outdoor Unit	Kg	77

Note:

(1) Heating condition: water inlet/outlet temperature: 30 °C/35°C, Ambient temperature: DB 7 °C /WB 6 °C

(2) Heating condition: water inlet/outlet temperature: 40°C/45°C, Ambient temperature: DB 7 °C /WB 6 °C

COMMERCIAL HEAT PUMP (Heating/Cooling)

Hot/Cold water demand could be very high and costly for big facility such as hospitals, militaries, prisons, sports facility and this heating/cooling cost can effect up to %40.of the total expense. Gassero Commercial Heating Pump offers the best cost-effective solution for this places that require high capacity hot/cold water.



Commercial Heat Pump (Heating/Cooling) Device Specification

► Reliable, Long-lasting Devices

Gassero Heat Pump components are supplied by the most reliable and high tech company brand in all over the world.



World famous compressor brand



High efficient tube-shell condenser structure.
(Working pressure up to 50Bar)

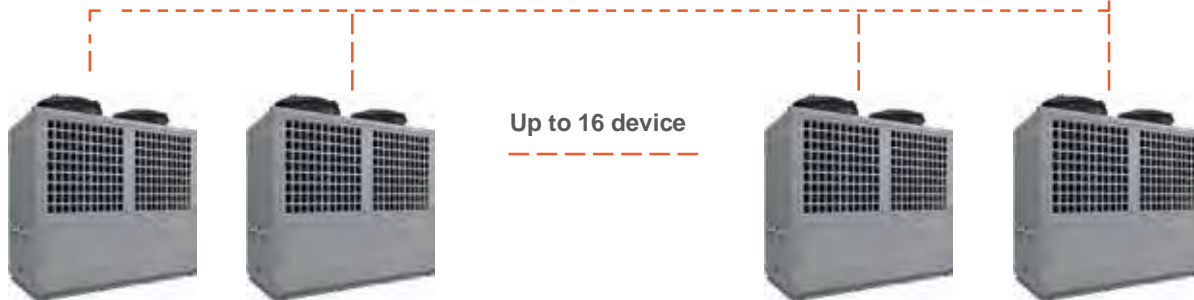
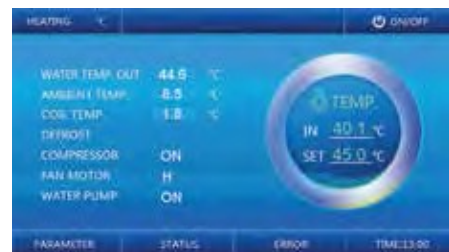


Axial fan with external motor
(Aluminium Propeller)

COMMERCIAL HEAT PUMP (Heating/Cooling)

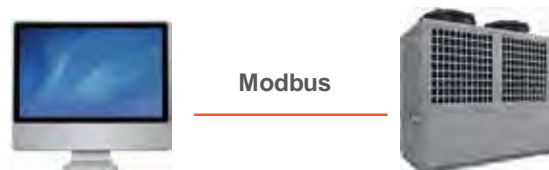
► Cascade Control Possibility

Control options up to 16 device with a colourful LCD touchpad control screen and through that provide solution for your all project.



► Modbus Protocol

Gassero Commercial Heat Pump (Heating/Cooling) is designed to be compatible with modbus protocol and also can be controlled via BMS system when necessary.



► Smart WiFi Control (Optional)

With a remote control possibility you can control your Commercial Heat Pump (Heating/Cooling) everywhere and everytime via your mobile phone. You could enjoy a warm bath after a long journey return with your remote control WiFi Features.



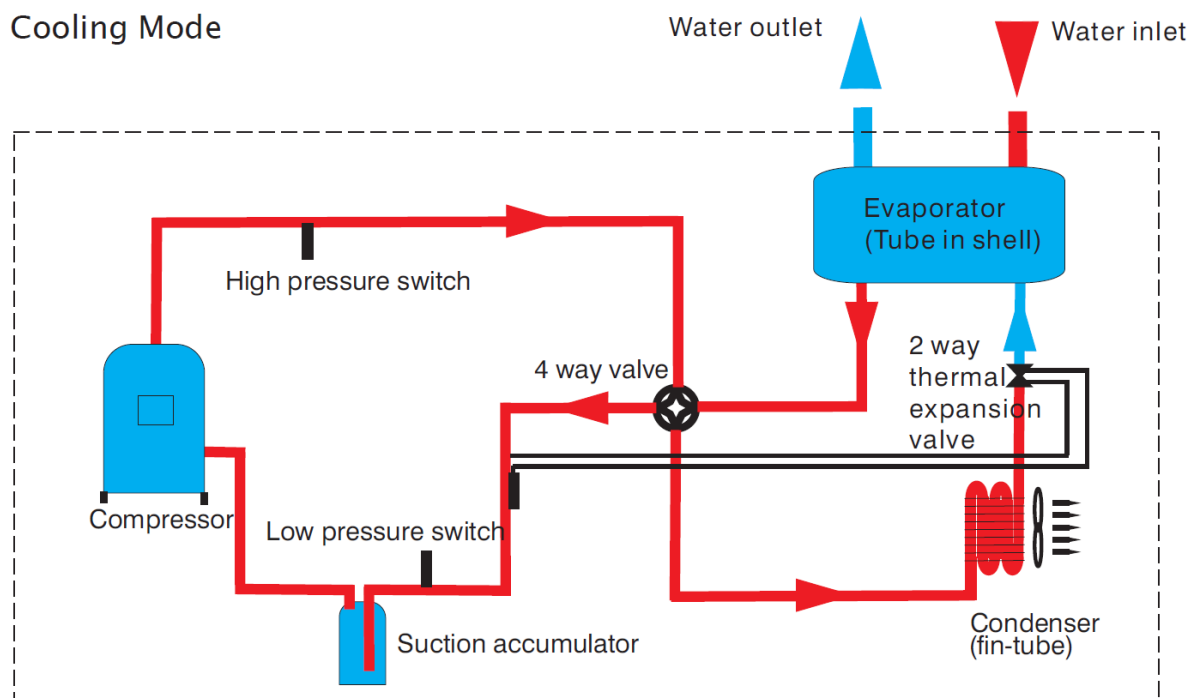
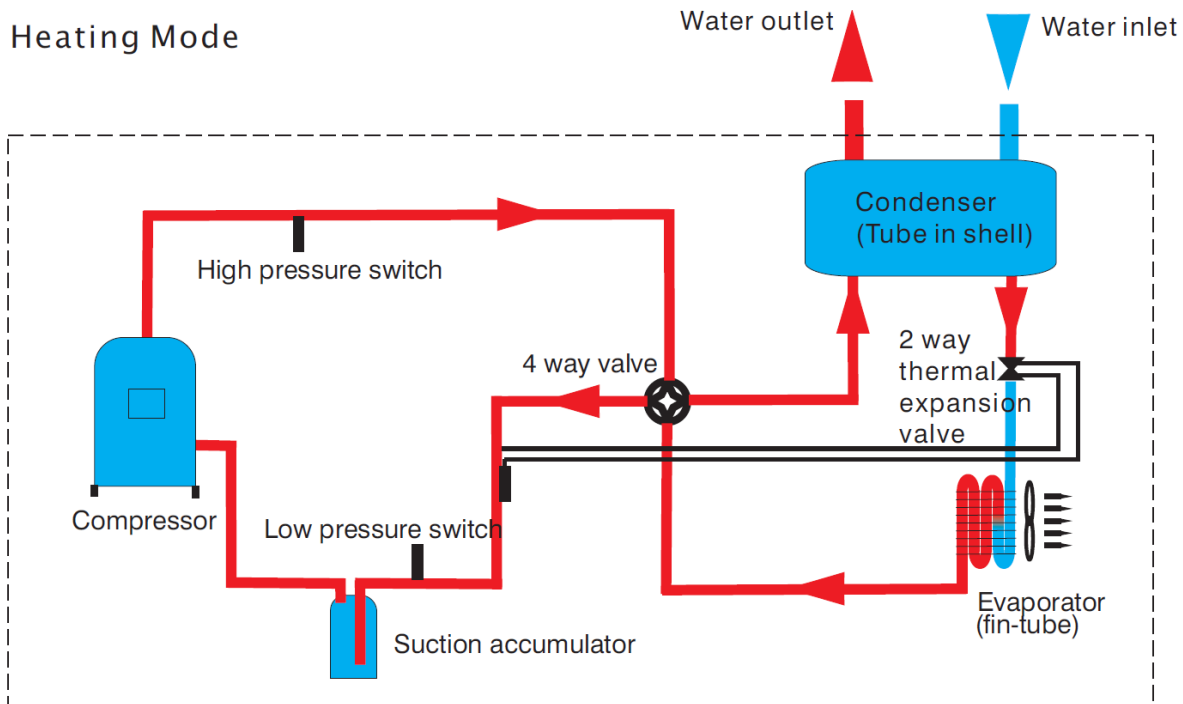
► High Energy Saving

Gassero commercial water heating pump is specifically suitable for place that requires high volume hot/cold water. It contributes to reducing your energy bill cost with using the ambient air efficiently than the regional heating systems such as electrical boiler, oil fired boiler and natural gas boiler.



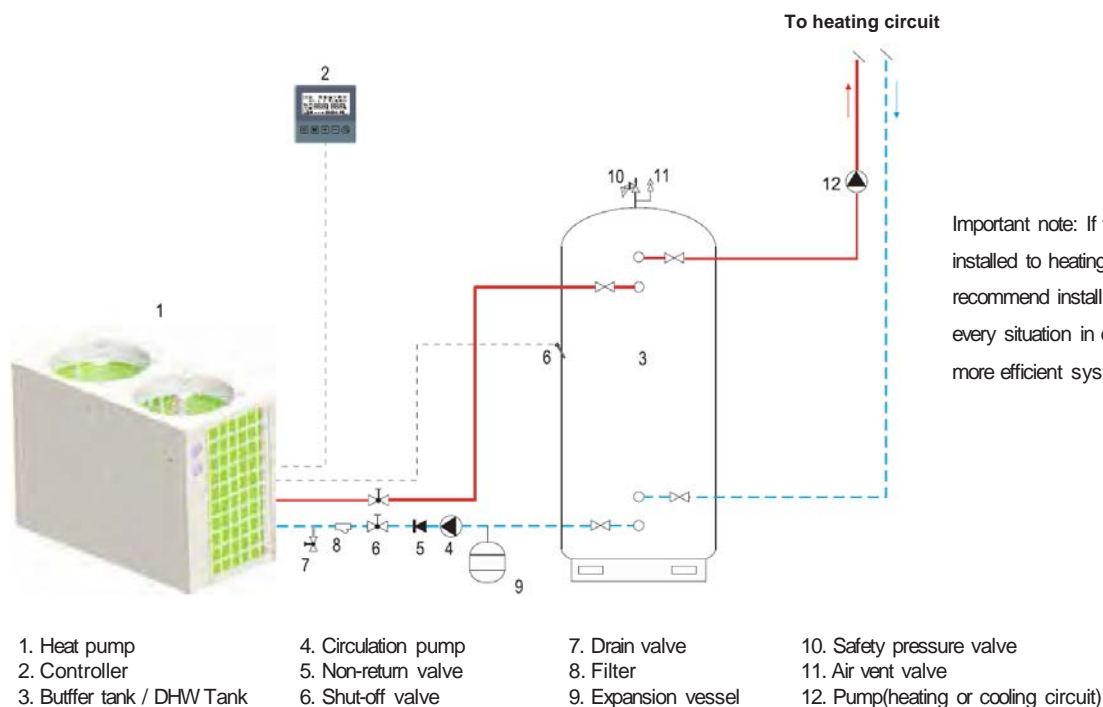
COMMERCIAL HEAT PUMP (Heating/Cooling)

Gassero Commercial Heating Pump Working Principle



COMMERCIAL HEAT PUMP (Heating/Cooling)

Installation Scheme



Technical Information

COMMERCIAL HEAT PUMP

CAPACITY SPECIFICATIONS	Unit	GSR-20-HC	GSR-30-HC	GSR-38-HC	GSR-45-HC	GSR-63-HC	GSR-70-HC EVI	GSR-140-HC EVI
Heating Capacity	kW	19.00	30.0	38.0	45.0	63.0	70.0	140.0
Input Power	kW	4.55	7.20	9.20	10.80	16.00	20.59	41.20
COP		4.18	4.17	4.13	4.17	3.94	3.40	3.40
Operating Current	A	7.83	12.00	15.84	18.60	27.50	35.50	71.00
Max. Input Power	kW	6.37	10.08	12.88	16.20	24.00	30.89	61.80
Max. Operating Current	A	10.97	18.36	22.18	27.89	42.00	53.25	106.50
Outlet Water Temp	°C	7~60	7~60	7~60	7~60	7~60	7~65	7~65
Operating Temperature Range	°C	-15~43	-15~43	-15~43	-15~43	-15~43	-25~43	-25~43
Hot Water Flow	L/h	408	645	817	967	1354	1612	3220
Refrigerant		R410a	R410a	R410a	R410a	R410a	R407C	R407C

DEVICE SPECIFICATION

		Copper tube in shell	Copper tube in shell	Copper tube in shell	Copper tube in shell	Copper tube in shell	Copper tube in shell	Copper tube in shell
Condenser								
Compressor Quantity		1	2	2	2	3	2	4
Hydraulic Pressure Loss	kpa	50	55	55	55	55	65	70
Controller Type		LCD	LCD	LCD	LCD	LCD	LCD	LCD
IP Class		I/ IPX4	I/ IPX4	I/ IPX4	I/ IPX4	I/ IPX4	I/ IPX4	I/ IPX4

CONNECTION SPECIFICATIONS

Water Inlet/Outlet Dimension	DN	25/25	40/40	40/40	40/40	50/50	50/50	65/65
Water Flow	m³/h	4.1	6.4	8.2	9.7	13.5	12.25	22.6
Power Supply	V/Ph/Hz	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50

DEVICE SPECIFICATION

Sound Pressure Level (1m/4m/10m)	dB(A)	57	58	60	61	63	70	72
Dimension - Gross (LxWxH)	mm	840x750x1100	1525x805x1110	1525x805x1220	1525x805x1420	2250x865x1450	2130x1100x2150	2090x2290x2360
Dimension - Net (LxWxH)	mm	816x690x965	1450x730x955	1450x730x1064	1450x730x1266	2150x772x1291	2000x980x1960	2000x2160x2230
Weight (Net/Gross)	Kg	119/137	236/279	249/294	268/316	428/490	530/595	1120/1200

Measurement Conditions;
Outside temperature : 20°C(DB)/15°C(WB), Water Inlet/Outlet Temperature 15/55°C

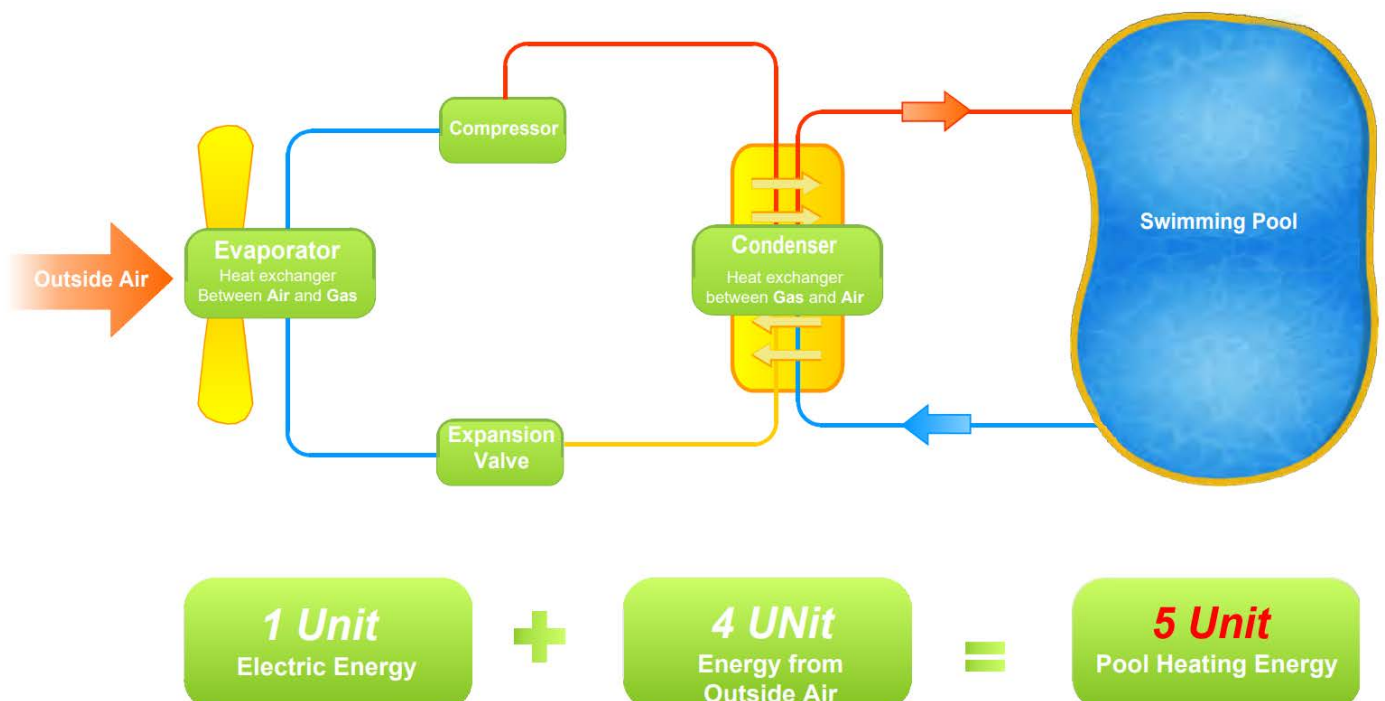
Pool Heat Pump

Gassero Pool Heat Pump changes the pool water temperature with ambient air energy by using too less electric energy.

With innovative technology, Gassero pool heat pump produce 5 times more energy than conventional electric heating device.



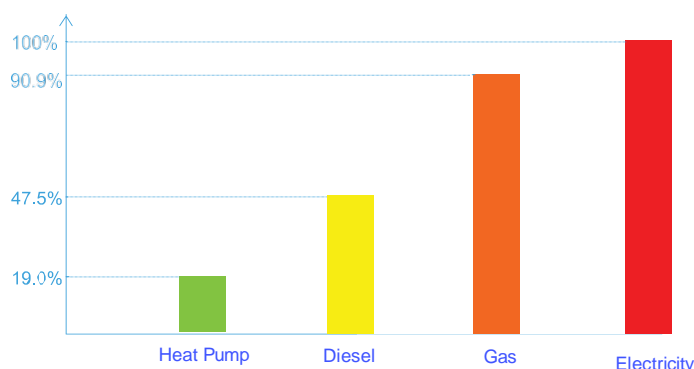
Gassero Pool Heat Pump Working Principle



Pool Heat Pump

How much can you save?

Pool Heat Pump works high efficiently with latest technology and makes greatly reduce on electricity cost..



HEATING DEVICE	HEAT PUMP	GAS	DIESEL	ELECTRICITY
Calorific Value	860kcal/kWh	860kcal/kWh	10200 kcal/kWh	860kcal/kWh
Heating Load	9 kW	9 kW	9 kW	9 kW
Efficiency	500%	85%	85%	95%
Energy consumption per day (24h continuous running)	43,2 kWh	254,1 kWh	21,4 L	227,37 kWh

GASSERO Pool Heat Pump Device Features

► Suitable For Humid Environment With Special Case Material

Pool Heat Pump usually used for high humid environment. With special composit body material pool heat pump body can resist the corrosion.

► Titanium Tube-Shell Condenser Structure

Special condenser structure can resist the chlorine of pool water. With that features you can condition pool water with not need any additional equipment and heat exchanger. Titanium pipe and plastic cover of the condenser protects the heat pump and can be use directly to the pool water without any concerns.



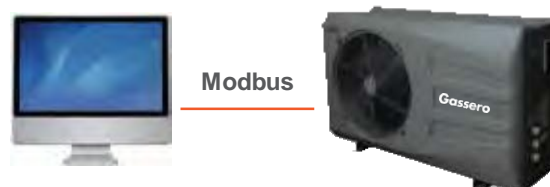
► Control Panel with Smart WiFi Features

With a remote control possibility you can control your Pool Heat Pump everywhere and everytime via your mobile phone. You could enjoy a warm bath after a long journey return with your remote control WiFi Features.



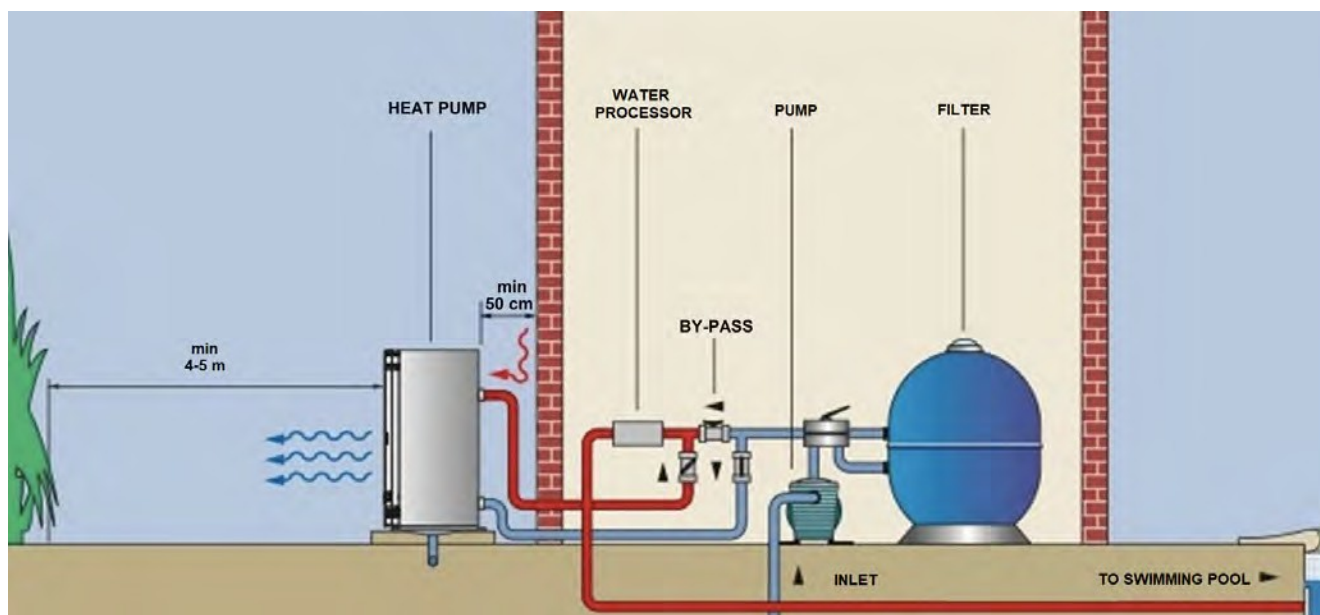
► Modbus Protocol

GASSERO Pool Heat Pump is designed to competible with modbus protocol and also can be controlled via BMS system when necessary.



Pool Heat Pump

Installation Scheme



Technical Information

POOL HEAT PUMP					
CAPACITY AND OPERATING SPECIFICATIONS	Unit	GSR-11-PL	GSR-13-PL	GSR-18-PL	GSR-26-PL
Heating Capacity	kW	11.0	13.5	18.0	26.3
Input Power	kW	1.93	2.18	2.61	4.75
Operating Current	A	9.78	10.43	12.50	8.39
COP		5.10	5.70	5.30	5.47
Max. Current	A	16.00	18.00	24.00	14.00
Setting temp. Range	°C	15~40	15~40	15~40	15~40
Hot Water Range Operating Temp Range	°C	-5~43	-5~43	-5~43	-5~43
Refrigerent		R410a	R410a	R410a	R410a
COMPONENT SPECIFICATION					
Condenser		Titanium	Titanium	Titanium	Titanium
Evaporator		Hydrophilic Aluminum	Hydrophilic Aluminum	Hydrophilic Aluminum	Hydrophilic Aluminum
Fan Motor Speed	RPM	900.00	900.00	850	800
Fan Motor Input Power	W	80.00	80.00	140	320
Controller Type		LCD	LCD	LCD	LCD
CONNECTION SPECIFICATIONS					
Water Inlet/Outlet Dimension		1.50	1.50	1.50	1.5
Hydraulic Connection	mm	PVC 50	PVC 50	PVC 50	PVC 50
Water Flow	m³/h	5.00	5.50	6.00	8
Power Supply	V/Ph/Hz	220~240V/1Ph/50Hz	220~240V/1Ph/50Hz	220~240V/1Ph/50Hz	380~420V/3Ph/50Hz
DEVICE SPECIFICATION					
Sound Pressure Level (1m/4m/10m)	dB(A)	52/40/32	52/40/32	52/40/32	55/44/34
Dimension - Gross (LxWxH)	mm	1135x390x750	1135x390x750	1250x505x825	840x750x1100
Dimension - Net (LxWxH)	mm	1012x306x613	1012x306x613	1116x425x686	752x691x959
Weight (Net/Gross)	Kg	68/78	105/120	115/130	124/146

Measurement Conditions;

Outside temperature : 24°C(DB)/19°C(WB), Water Inlet Temperature °C27

Certificates

Gassero
technology for your comfort



www.gassero.com

Gassero
technology for your comfort

Gassero Isı Teknolojileri San. Ltd.
İstanbul Endüstri ve Ticaret Serbest Bölgesi (Free Zone)
4.Sokak No:8 34957 Tuzla / İstanbul
T: +90 (216) 394 09 85

Rev. 02 / 09.02.2023