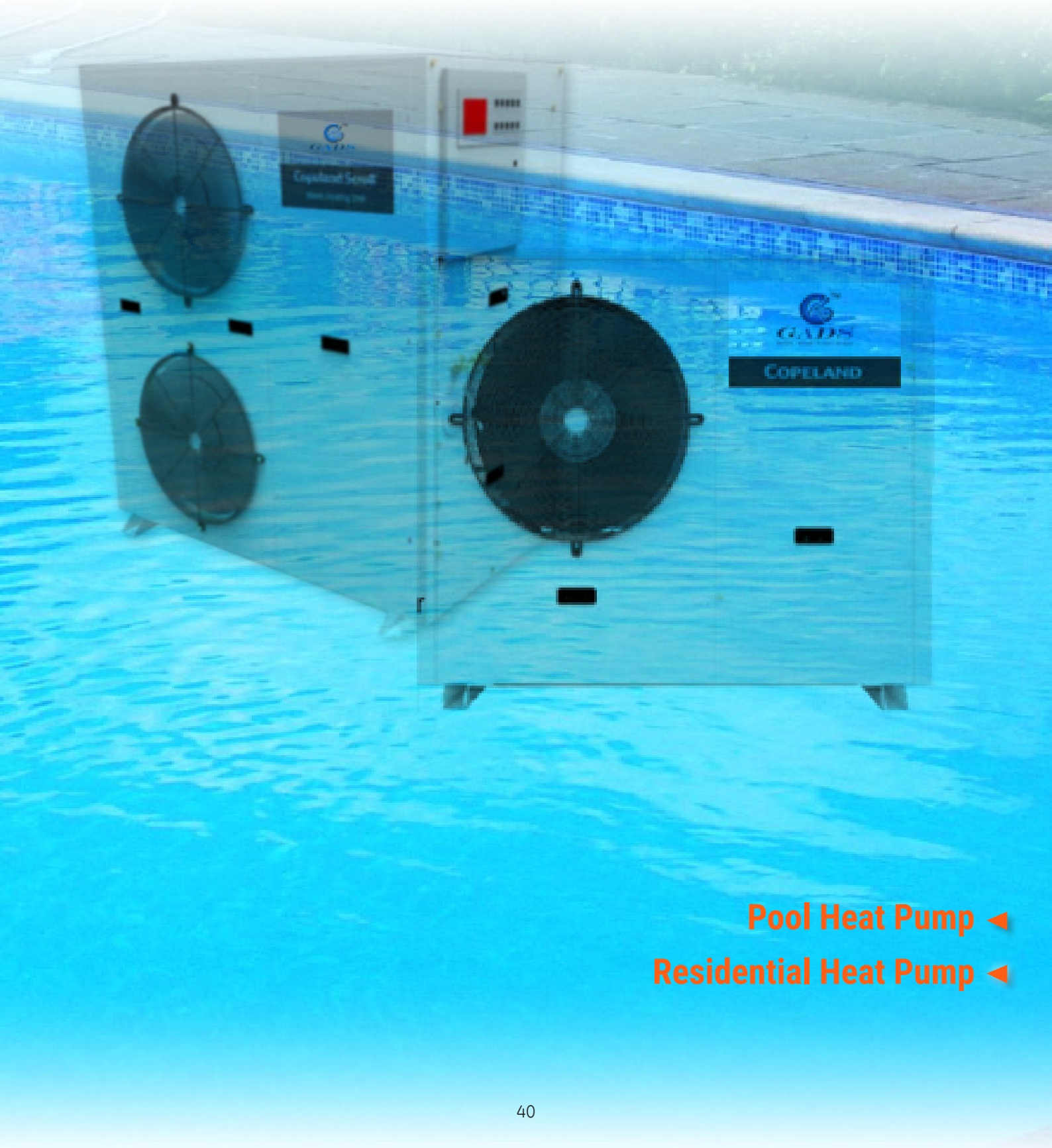


Heat Pumps



Pool Heat Pump ◀
Residential Heat Pump ◀

Pool Heat Pumps



Green-Pro Certification

Benefits:

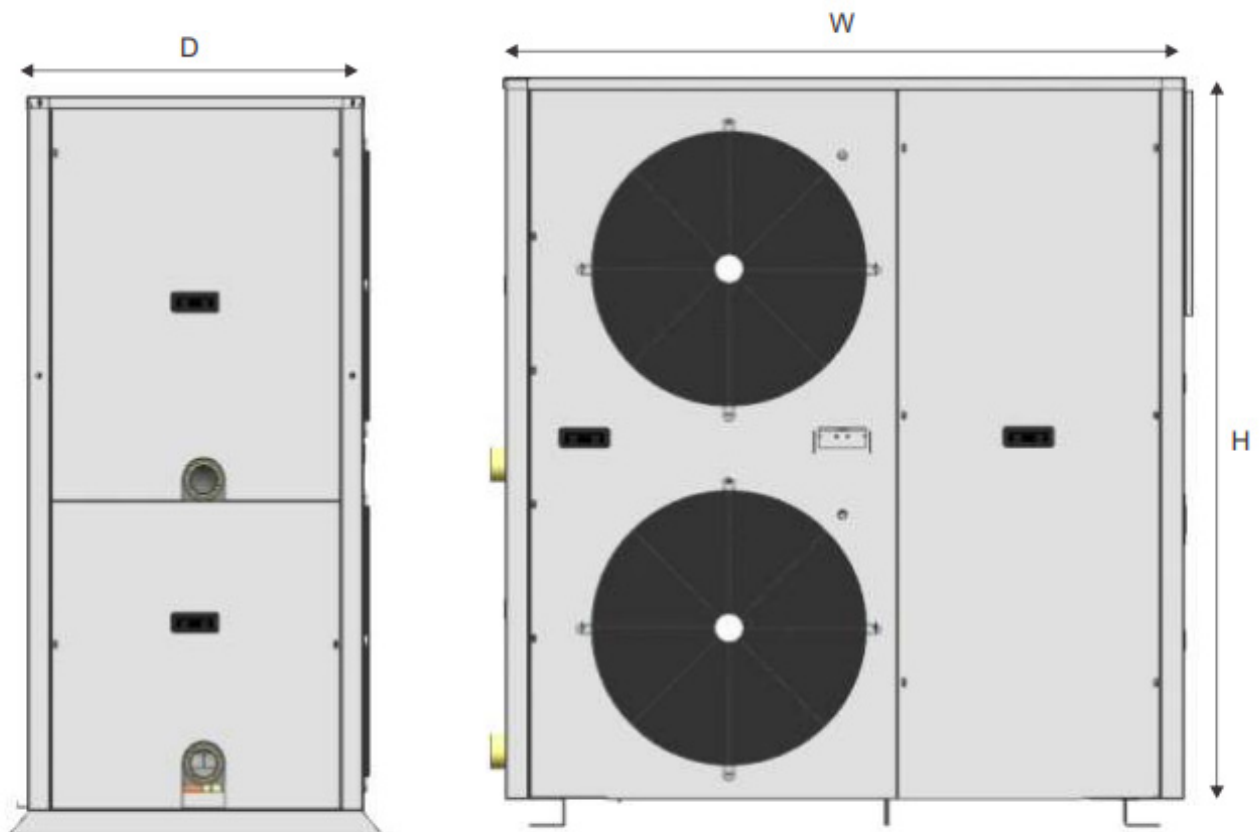
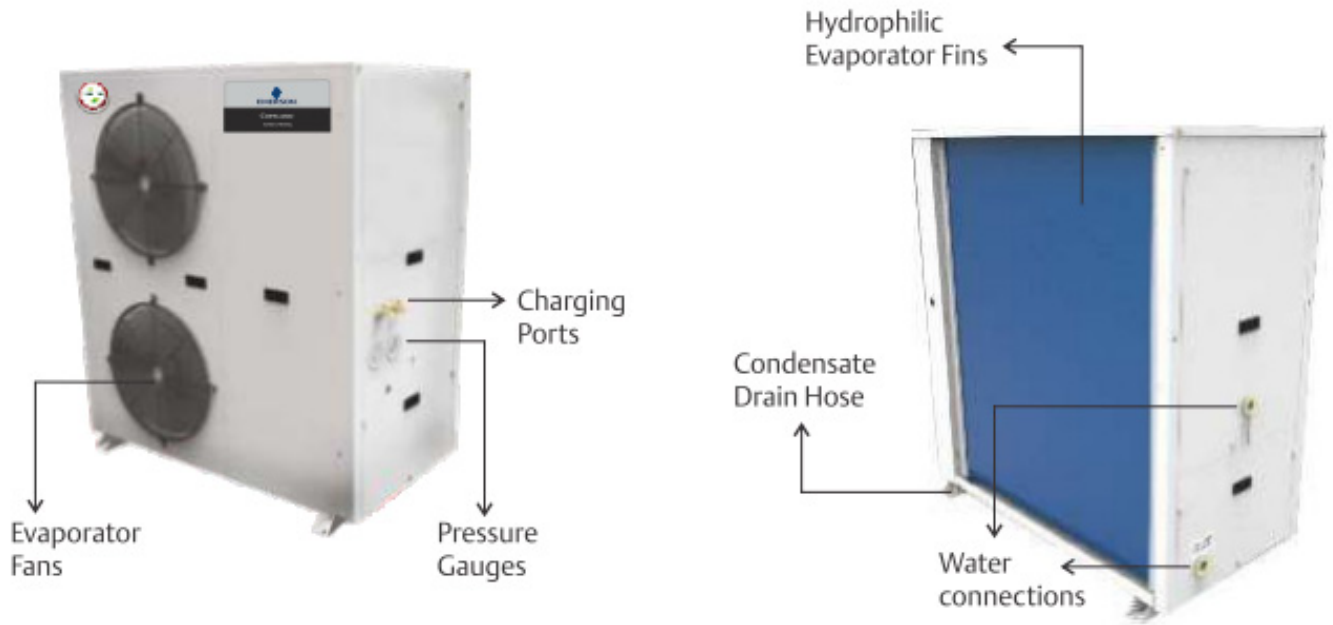
- Facilitate green building projects in selecting the right products and equipment
- Rate products and equipment on extent of greenness
- Help Manufacturers to reach out to environmentally conscious customers

Heat Pump							
Description		Unit	Code No.				
			GHP-030	GHP-050	GHP-80	GHP-100	GHP-200
Water Heating	Capacity	KW	13	22	30	43	86
	Capacity (BTU/h)	BTU/h	44358	75300	146400	146400	146400
	Input Power	KW	2.6	4.4	8.6	8.6	12.1
	COP		5.0				
	Max. Input Current	A	5.0	7.6	15	21	23.6
	Refrigerant Gas		R22 / R407C				
Temperature	Operating Ambient Temp.	°C	0 to 43				
	Max. Water Temp.	°C	35				
Power Supply		Volt/Ph	380V/50Hz/3Ph				
Compressor	Type		Scroll/ZW	Scroll/ZW	ZW Scroll	ZW Scroll	ZW Scroll
Fan	Quantity	PCS	1	1	1	2	2
	Motor Supply	Volt/Ph	230V/50Hz/1Ph				
Heat Exchanger	Type/Model		Titanium Tube				
Water Piping	Inlet Pipe Size	MM	50			63	
	Outlet Pipe Size	MM	50			63	
	Min. Water Flow	LPH	3800	7300	9000	16500	33000
	Max. Water Flow	LPH	4600	9200	11000	18000	35000
Dimensions	Dimension (DxWxH)	MM	490 x 1140 x 810	710 x 1216 x 995	710 x 1250 x 1380	710 x 1250 x 1335	1870 x 1092 x 1946
	Approx. Weight	KGS	110	180	220	250	400

Rating Condition - At Ambient of 25°C & Inlet Water of 20°C; Final Water Temperature Of 28°C, Maximum tested upto 35°C hot water in pool

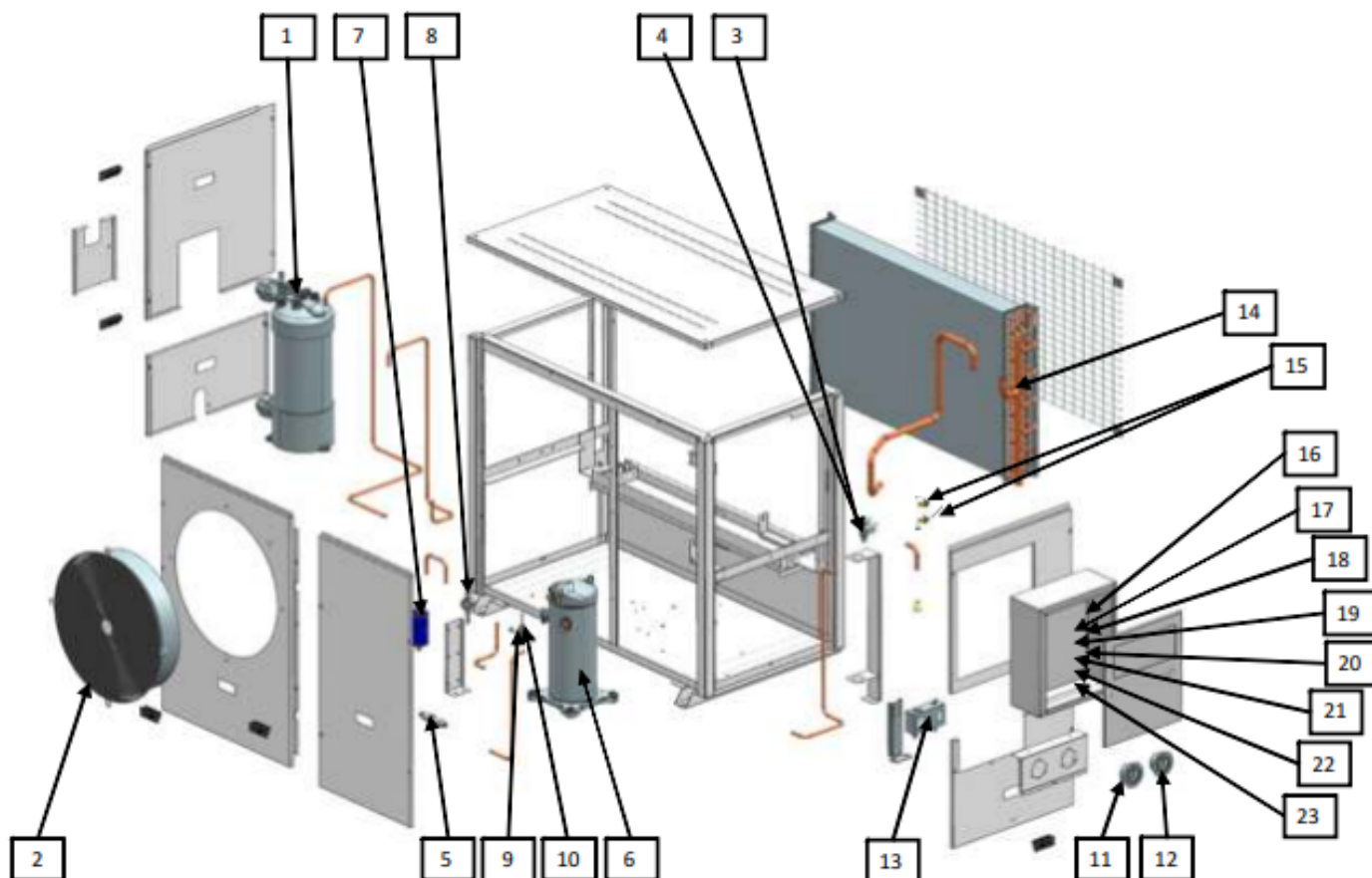
Pool Heat Pumps

Layout of components



Pool Heat Pumps

Exploded View of Heat Pump



No.	Part list	No.	Part list
1	Condenser	13	HP-LP Switch
2	Fan motor	14	Evaporator
3	TXV/ Expansion device	15	Service valve-charging
4	Orifice	16	Sensor- Ambient
5	Check valve	17	Sensor- Discharge Temp
6	Compressor	18	Sensor- Water inlet
7	Filter drier	19	Sensor- Water outlet
8	Moisture Indicator	20	Controller with display
9	Solenoid valve	21	Line Voltage Monitoring Device
10	Solenoid valve coil	22	Fuse - Water pump
11	Gauge Discharge pressure	23	Fuse - Fan motor
12	Gauge Suction pressure		



Residential Heat Pumps

100, 150, 200, 300, 500 & 1000 LPH

Residential Heat Pump

Max Water Temperature: 55-60°C

Environmentally Friendly Refrigerant In R134a;
Low GWP & Zero ODP

High Efficiency Reciprocating Platform Featuring
Local Reparability; Built On Globally Proven CRKQ
Platform

Reciprocating Compressor With Replacement/
Repaired Compressors Availability Across India;
50+ Dealer Network

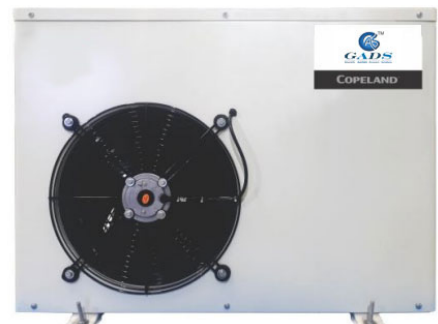
Tube In Tube Condenser- Compact

In built WILO/Grundfos Pump For Recirculation

Controller With Diagnostics/Full Electrical Protection

- Corded Option For Extended/Remote Access
- Fully loaded; Hi distance corded controller for easy operation (5m Standard Operation)

Tested At Ambient:-3/-4°C Till +43°C



50-75% Energy Savings
whole year round



Robust Design for
Trusted Reliability



Hot Water availability
Irrespective of Weather



Designed to Make your
Home 'SMART'



Environment Friendly
Refrigerant, R134A



Save on Real Estate: Occupies
10% of Solar Space



High Efficiency compressor
featuring Local Repairability

Technical Specification					
Description		Unit	Code No.		
			GHP-R0100	GHP-R0150	GHP-R0200
Power Supply			230V/50Hz/1Ph	230V/50Hz/1Ph	230V/50Hz/1Ph
Operating Ambient Temp.		°C		10 to 43	
Max. Water Temperature		°C	55	55	55
Water Heating	Capacity	KW	3.5	5.2	7.0
	Input Power	KW	1.2	1.6	2.1
	COP		3.0	3.3	3.3
	Hot Water Output	LPH	100	150	200
	Refrigerant Gas		R134a	R134a	R134a
	Refrigerant Qty.	Kg	0.4	0.7	0.8
Compressor	Type		Reciprocating	Reciprocating	Reciprocating
	Capacity	KW	3.21	3.89	5.05
	Input Power	KW	1.36	1.45	1.76
	Current	A	6	7.5	8.5
Fan Motor	Quantity	PCS	1	1	1
	Power	W	150	150	150
	Supply	V/Ph.	230V/1 Ph	230V/1 Ph	230V/1 Ph
Water Pump	Power Input	KW	0.08	0.08	0.08
	Head	Feet	8	10	10
	Supply	V/Ph.	230V/1 Ph	230V/1 Ph	230V/1 Ph
	Rating Current	A	0.37	0.36	0.36
Heat Exchanger	Type/Model		Tube in Tube	Tube in Tube	Tube in Tube
Water Piping	Inlet Pipe Size	MM	25	25	25
	Outlet Pipe Size	MM	25	25	25
	Min. Water Flow	LPH	800	1100	1100
Dimensions	Dimension (DxWxH)	MM	345 x 872 x 624	345 x 872 x 624	345 x 872 x 624
	Approx. Weight	KGS	72	82	84

Rating Condition - At Ambient of 25°C & Inlet Water of 20°C; Final Water Temperature Of 55°C

Note: Heat Pump use the ambient temperature in surrounding air to heat the water in the tank. This means as the air temperature around the tank decrease, the time taken to heat the full tank increase. Customers in colder climate regions should consider this when deciding which type of Gads system is best for their application.

Applications:

Villas / Bungalows

Small Hostels / Dormitories

High Rise Residential Apartments

Gated Communities

Technical Specification					
Description		Unit	Code No.		
			GHP-R0300	GHP-R0500	GHP-R1000
Power Supply			380V/50Hz/3Ph	380V/50Hz/3Ph	380V/50Hz/3Ph
Operating Ambient Temp.		°C		10 to 43	
Max. Water Temperature		°C	60	60	60
Water Heating	Capacity	KW	11	17.4	36
	Input Power	KW	3.3	4.8	9.4
	COP		3.3	3.6	3.8
	Hot Water Output	LPH	300	500	1000
	Capacity	KW	3.21	3.89	5.05
	Refrigerant Gas		R22/R407C	R22/R407C	R22/R407C
Compressor	Type		ZW Scroll	ZW Scroll	ZW Scroll
	Current	A	5.6	9.7	21.5
Fan Motor	Quantity	PCS	1	1	2
	Supply	V/Ph.	230V/1 Ph	230V/1 Ph	230V/1 Ph
Water Pump	Supply	V/Ph.	230V/1 Ph	230V/1 Ph	230V/1 Ph
Heat Exchanger	Type/Model		Shell & Tube	Shell & Tube	Shell & Tube
Water Piping	Inlet Pipe Size	MM	25	25	25
	Outlet Pipe Size	MM	25	25	25
	Min. Water Flow	LPH	1400	2800	5000
Dimensions	Dimension (DxWxH)	MM	505 × 1145 × 810	710 × 1235 × 1030	710 × 1270 × 1380
	Approx. Weight	KGS	190	230	400

Rating Condition - At Ambient of 25°C & Inlet Water of 20°C; Final Water Temperature Of 55°C

Note: Heat Pump use the ambient temperature in surrounding air to heat the water in the tank. This means as the air temperature around the tank decrease, the time taken to heat the full tank increase. Customers in colder climate resions should consider this when deciding which type of Gads system is best for their application.

Applications:




- # Villas / Bungalows
- # Small Hostels / Dormitories
- # High Rise Residential Apartments
- # Gated Communities




Green-Pro Certification

Benefits:

- Facilitate green building projects in selecting the right products and equipment
- Rate products and equipment on extent of greenness
- Help Manufacturers to reach out to environmentally conscious customers



ZW Heating Compressors

COP of 3.5; Energy Sav-

Hot Water 24/7

Reliable & Service

Intelligent