

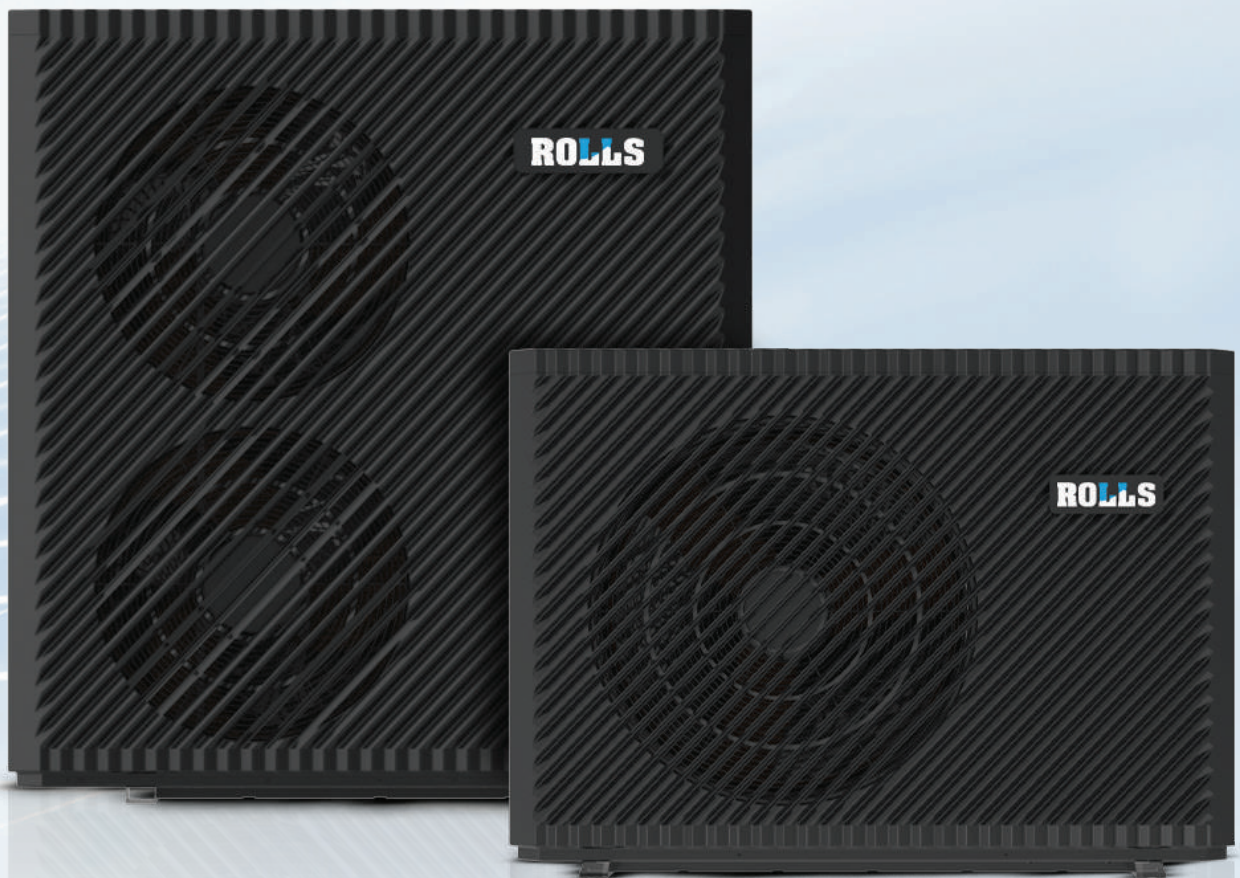
ROLLS

GHOST SERIES



HIGH TEMPERATURE AIR-TO-WATER HEAT PUMP

HEATING / COOLING, HOT WATER



Be Ready for a Low-Carbon Life





Environmental Refrigerant

To reduce carbon emission to the environment and curb global warming, ROLLS develops R290 air-to-water heat pump - GHOST Series. With many advantages such as low carbon emission and high efficiency, R290 refrigerant is recognized as a refrigerant with the most development potential in the industry, which contributes to the reduction of carbon emission and help achieve the global goal of carbon neutrality.



Super High Efficiency A+++

GHOST Series Air to Water Heat Pump is specially developed with the most cutting-edge heat pump technology and modern design to meet stringent requirements for efficiency, stability and quietness. Not only does GHOST series use R290 green gas and inverter technology, but also is rated with A+++ energy label. With top energy rating A+++, the unit is energy efficient and can greatly reduce energy bills for users.



Smart Touch Display

ROLLS Smart Display Inverter Heat Pump has a high-end controller with 5-inch colorful touch screen, which is one of the highlights of this trendy heat pump product. With temperature and power consumption curve, users can always be clear of the energy consumption at a glance. It is incredibly convenient for users from different countries that multi-language function can be chosen.



Smart Control

Smart APP control brings a lot of convenience to users. Temperature adjustment, mode switching, and timer setting can be achieved on your smart phone. Moreover, you can know power consumption statistics and fault record anytime and anywhere.



Web Platform

The Central platform management can be realized with DTU or WiFi function, which effectively saves the cost for labor when service is needed. The fault report button creates a direct error report channel to the local service provider. When an error is reported, the service provider can notice the error information of the target house heating heat pump from the background system, and contact users immediately to offer help.



KEY COMPONENTS

ASA Material & Anti Corrosion

The ASA panel and top cover are strongly corrosion-resistant and anti-weathering that ensures a long service life.

Pressure Sensor Protection

Pressure Sensor can detect system pressure and transmits the signal to the main board so as to protect the unit.

Elegant Wave Screw-Free Design

GHOST Series features stylish and innovative cabinet design, no screws are visible on the surface

Electronic Expansion Valve

With electronic expansion valve, it can instantly adjust refrigerant flow to ensure the stability of the refrigeration system.



Full Dc Inverter Technology

GHOST Series perfectly combines eco-friendly R290 refrigerant and inverter technology to produce efficient house heating/cooling and hot water even under extreme cold climate.

DC Inverter Compressor

Compared to AC drive technology, DC inverter speed technology usually modulates control process of the compressor more precisely, thus improving transmission efficiency and reducing noise and energy consumption of the compressor.

DC Inverter Fan Motor

With better dynamic balance and reducing turbulent flow noise, heat pump work efficiency is greatly improved.



Noise Reduction Technology

ROLLS dedicates to creating super quiet running environment for the user. GHOST Series adopts multiple noise reduction technologies, every product has been repeatedly tested and optimized.


Shock Absorption & Noise Reduction Technology


GHOST Series offers suspension chassis which can greatly minimize vibration and reduce noise.


Soundproof Isolation


All-sided of cabinet is fully wrapped with Soundproof sponge material, which can efficiently absorb and block out the noise from compressor operation.


Silent Running

20dB(A)
Rustle of leaves 

30dB(A)
Whisper 

42dB(A)
Rolls Ghost 

50dB(A)
Fridge 

70dB(A)
Car 



Technical Specifications

Model		IES2/HP-G09A/EU	IES2/HP-G15A/EU	IES2/HP-G15T/EU	IES2/HP-G22A/EU	IES2/HP-G22T/EU
Power Supply		230V~	230V~	380~415V/3N~	230V~	380~415V/3N~
Heating Condition - Ambient Temp. (DB/WB): 7/6°C, Water Temp. (In/Out): 30/35°C						
Heating Capacity Range	kW	3.10~8.90	5.40~14.95	5.40~14.95	8.00~22.00	8.00~22.00
Heating Power Input Range	kW	0.65~2.10	1.05~3.85	1.05~3.85	1.60~6.90	1.60~6.90
Heating Current Input Range	A	2.9~9.2	4.6~16.9	1.9~6.8	7.0~30.3	2.8~12.2
Cooling Condition - Ambient Temp. (DB/WB): 35/24°C, Water Temp. (In/Out): 12/7°C						
Cooling Capacity Range	kW	1.20~5.72	3.60~10.50	3.60~10.50	4.20~15.00	4.20~15.00
Cooling Power Input Range	kW	0.65~2.40	1.12~4.47	1.12~4.47	1.80~7.30	1.80~7.30
Heating Current Input Range	A	2.9~10.5	4.9~19.6	2.0~7.9	7.9~32.1	3.2~12.9
Hot Water Condition - Ambient Temp. (DB/WB): 20/15°C, Water Temp. (In/Out): 15/55°C						
Hot Water Capacity Range	kW	3.92~10.68	6.50~18.50	6.50~18.50	10.00~27.00	10.00~27.00
Hot Water Power Input Range	kW	0.78~2.47	1.27~4.65	1.27~4.65	1.90~7.10	1.90~7.10
Hot Water Current Input Range	A	3.4~10.8	5.6~20.4	2.4~8.21	8.3~31.2	3.4~12.5
Max. Power Input	kW	3.0	5.3	5.3	7.5	9.0
Max. Current Input	A	13.5	24.5	10.5	35.0	15.8
Water Flow	m ³ /h	1.0	1.7	1.7	2.9	2.9
Refrigerant / Proper Input	kg	R290 / 0.50kg	R290 / 0.85kg	R290 / 0.85kg	R290 / 1.30kg	R290 / 1.30kg
CO2Equivalent	Ton	0.0015	0.0026	0.0026	0.0039	0.0039
Sound Pressure (1m)	dB(A)	42	43	44	47	47
Sound Power Level IEN121021	dB(A)	57	57	58	62	62
Operating Ambient Temperature	°C	-25~43				
Max. Water Temperature	°C	75				
Fan Quantity		1	1	1	2	2
Fan Motor Type		DC				
Water Connection	inch	1				
Water Pressure Drop (max)	kPa	20	20	20	65	65
Circulation Pump		DC				
Circulation Pump Water Head	m	7.5	7.5	7.5	12.5	12.5
ErP Level(35AC)		A+++				
Cabinet Type		Galvanized sheet metal+ASA				
Unit Dimension(L/W/H)	mm	1167X485X795	1287X485X928	1287X485X928	1250X540X1330	1250X540X1330
Shipping Dimension(L/W/H)	mm	1300X485X940	1420X540X1080	1420X540X1080	1380X570X1480	1380X570X1480

