



DC Inverter AIR to Water Heat Pump

Heating+Cooling



Products Description

CloverLife Series Features:

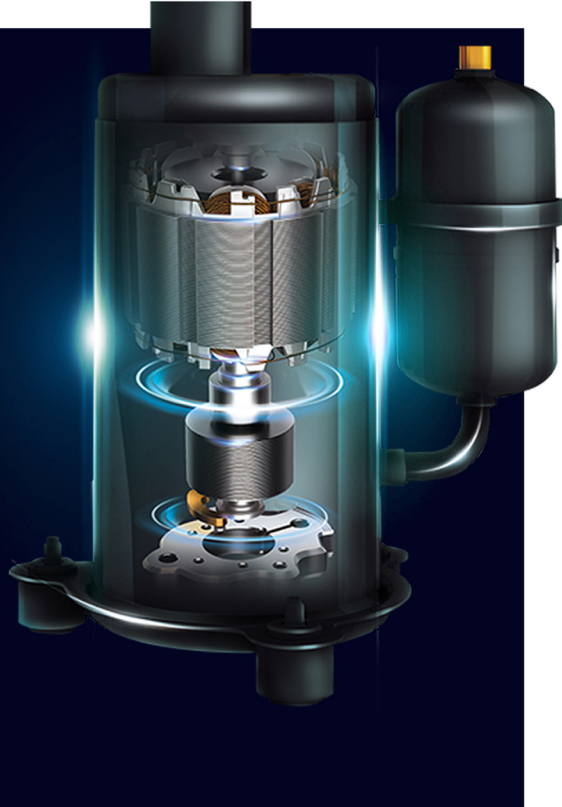
- 1. Function: heating + cooling
- 2. Voltage: 220v-240v -inverter - 1n or 380v-420v -inverter - 3n
- 3. compact units available from 6kw to 22kw
- 4. Using R410A green refrigerant
- 5. super low noise as low as 68 dB(A)
- 6. Energy-saving up to 80%
- 7. Stable running at -25°C ambient temperature
- 8. Adopted twin-rotor Panasonic inverter compressor
- 9. High efficiency A+++energy level
- 10. Wi-Fi app smart controlled
- 11. 9 optional languages



Key Components

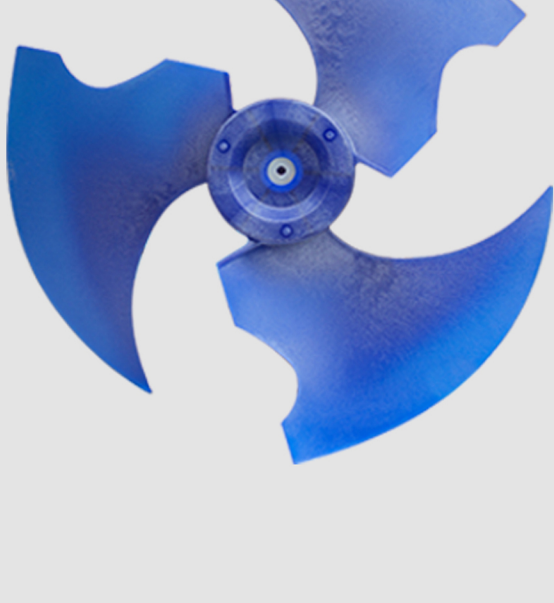
Panasonic EVI DC Inverter Compressor

Being the smart heat pumps, CloverLife perfectly combines eco-friendly R32refrigerant and advanced new technology of EVI DC inverter to produce 60°C domestic hot water as well as stable house heating even under -25°C low temperature condition reducing power consumption and improve the heating capacity.



Flabellum & Fan Motor

Silent Running. In addition to choosing a high-quality, stable and low noise compressor. CloverLife utilizes a fully upgraded internal design, perfectly keeps an ultra-low operating noise of less than 50dB(A) at a distance of 1-meter, making you in a peaceful and comfortable green life.



Main Control Board

To deliver the best user experience, CloverLife series is designed with a DTU module for remote data transferring, and then you can easily monitor the running status of your heating system.

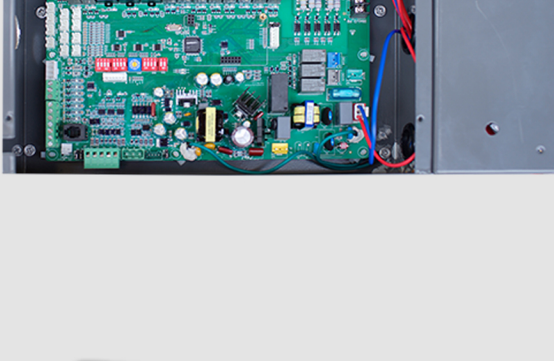
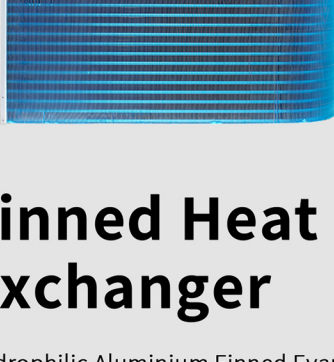


Plate Type Heat Exchanger

Danfoss Plate Heat Exchanger Plate heat exchanger with well-known brand is selected to increase heat exchange area for higher COP.



Finned Heat Exchanger

Hydrophilic Aluminium Finned Evaporator The finned heat exchanger is with corrugated copper tubes to greatly improve thermal efficiency, and with hydrophilic coating surface for sufficient defrosting.

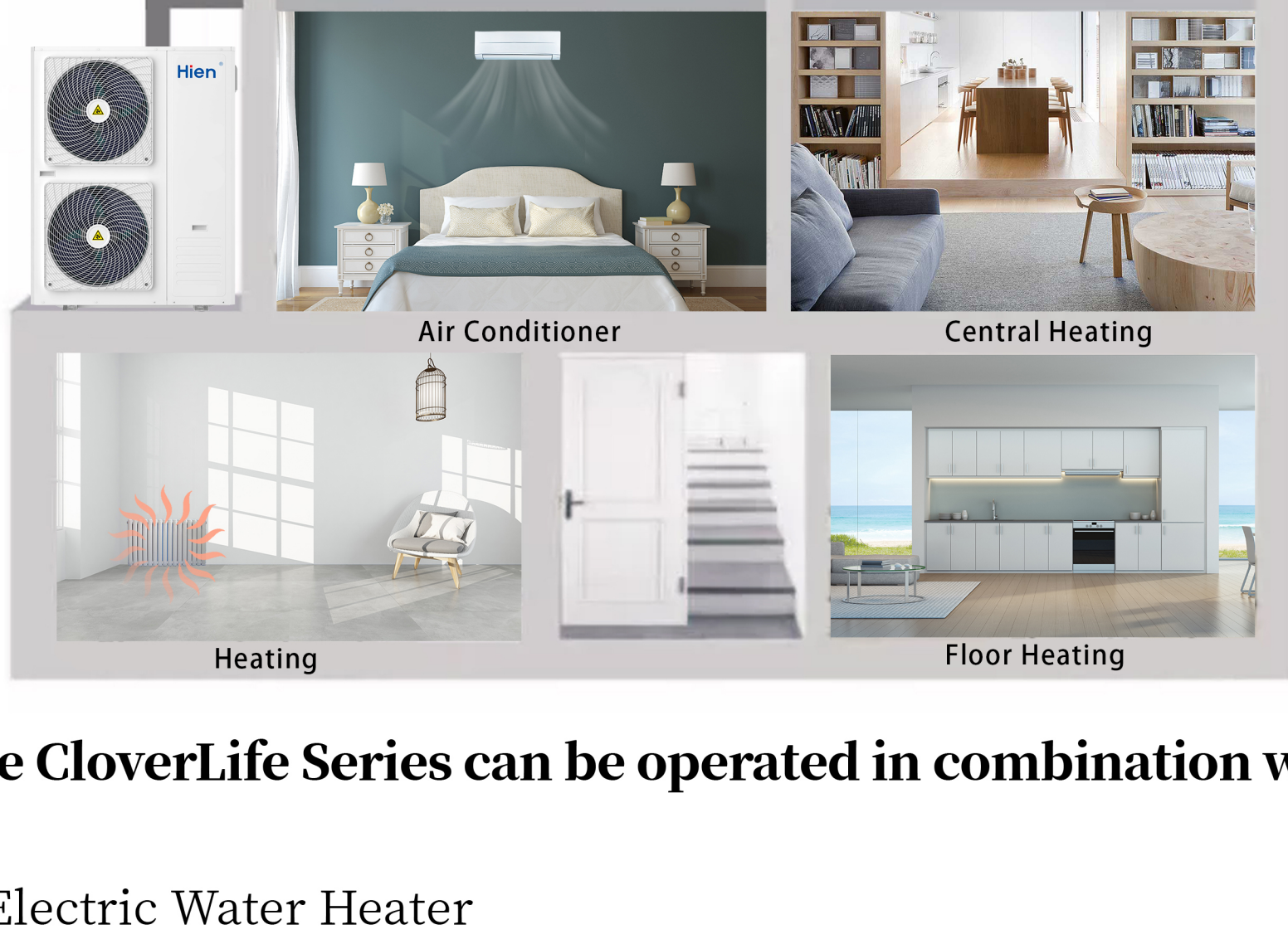
Intelligent Defrosting



Stable Running at -25°C Ambient temperature

Intelligent Defrosting Running at Low temperature

CloverLife can intelligently determine whether to go into defrosting mode according to the operating condition, ambient temperature and frost thickness. As a result, the unit operates with high heating capacity and energy efficiency.



The CloverLife Series can be operated in combination with

- 1) Electric Water Heater
- 2) Conventional Boiler
- 3) Solar Hot Water Systems

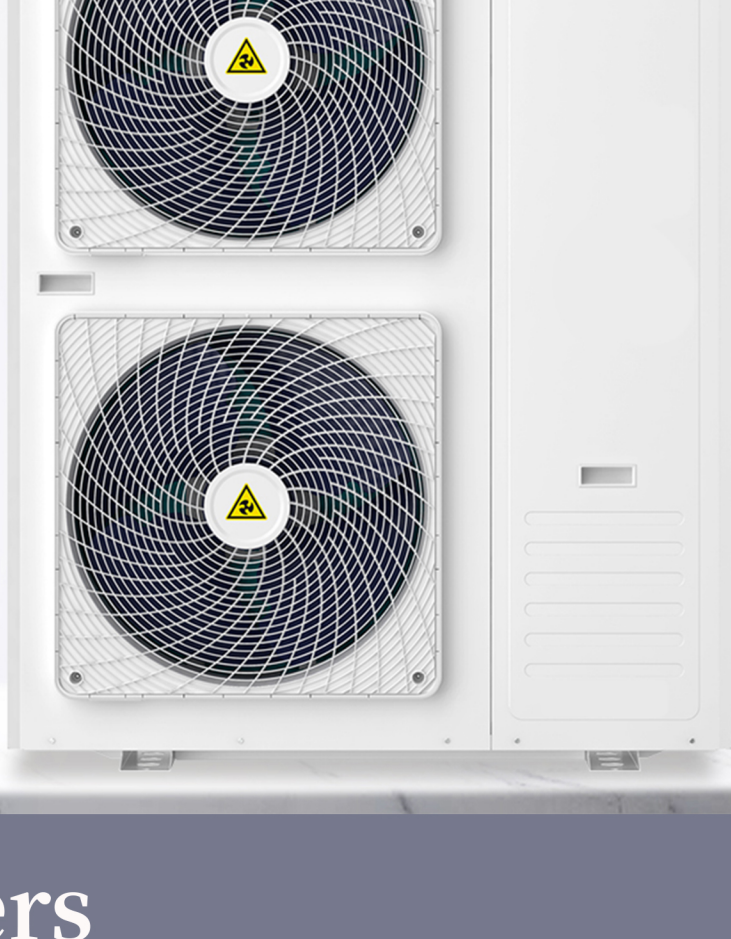
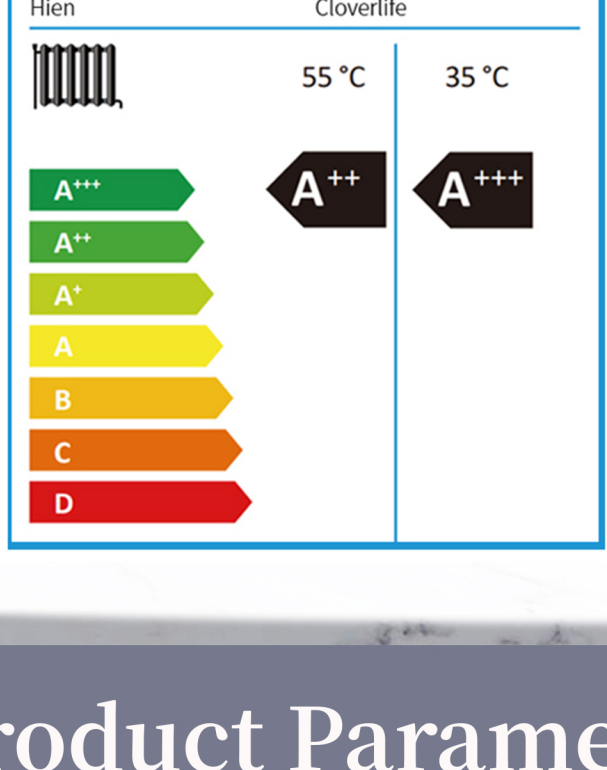
The CloverLife Series deliver the heat through a heating distribution system, such as radiators or underfloor heating or fan coils or air conditioner for reliable heating, cooling and domestic hot water throughout the seasons. Depending on the season and air temperature, the heat pump automatically adjusts and operates optimally in the heating or cooling modes for optimal energy-saving.

The CloverLife Series suits a wide variety of applications, including space heating, domestic hot water production for residential and commercial projects.

Energy Consumption

Super High Efficiency A+++

CloverLife Series achieves an energy level of A+++ according to ErP directive.



Product Parameters

Product number	LRK-25IIBM/C1	Discharge/suction side allowable working pressure	4.2/1.2MPa
power supply	380V 3N- 50Hz	Maximum power consumption/working current	11.25kW/18.11A
Anti-shock level protection level	Class I / IPX4	The maximum pressure of the evaporator	4.2MPa
Nominal heating capacity/power consumption	28.80kW/9.44kW	Circulating water pipe diameter/pipe connection	DN32/1/4" Coupling
Nominal Cooling EER	3.00W/W	Noise	≤68dB(A)
Nominal Cooling IPLV	4.30W/W	Refrigerant charge	R410A 6.50kg
Nominal cooling capacity/power consumption	27.50kW/9.16kW	External dimensions	1200 x 430 x 1550(mm)
Circulating Water Flow	4.73m³/h	Feature Function Code	S01ZW
Water Side Pressure Loss	100kPa	net weight	200kg
Maximum working pressure of high/low pressure side	4.2/4.2MPa	—	—