



Energy
Management



Renewable
Sources



HPB
HOT DOMESTIC WATER HEATER
WITH INTEGRATED
AIR/WATER HEAT PUMP



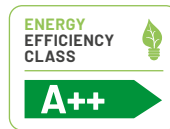
GIACOMINI
WATER E-MOTION

HPB

The best from heat pump technology catering to domestic hot water needs.

The HPB water heater incorporates an air/water heat pump. The peculiarity of this solution is that it draws **energy from the ambient air**: either from the room where it is installed or externally, depending on the type of installation.

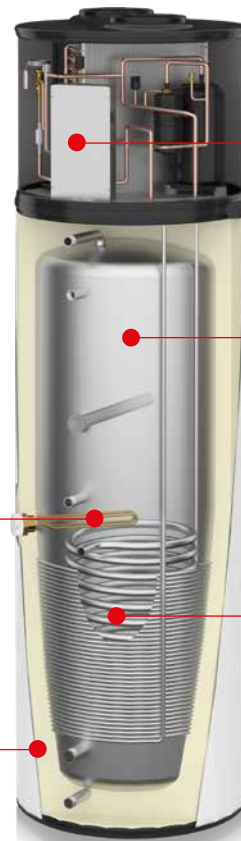
By using ambient air, the water heater harnesses the heat from the air to heat domestic water, ensuring significant energy savings. The system can also be considered as **a true energy storage**, as it allows for the accumulation of a large quantity of hot water produced ideally through clean energy sources (photovoltaic, solar, thermal), thus reducing CO₂ emissions into the air.



A++

ELECTRIC RESISTANCE
(1,5 kW)

INSULATION
5 cm
+ polymer exterior finish



HIGH PERFORMANCE HEAT PUMP

COP 3.91*

HOT DOMESTIC WATER TANK

stainless steel

COIL EXCHANGER

integrated

*COP = 3,91 for the 270 liter version according to EN16147

MAIN FEATURES



- **Energy class A++, saving approximately 75% energy**
- **High energy performance, COP up to 3.91**
- **Compact size**
- **Very low noise level**
- **High reliability thanks to the stainless steel tank**
- **Smart Grid Ready: compatible with solar, thermal, and photovoltaic systems**
- **Zero CO₂ emissions when using clean energy**
- **Easy management through a user-friendly display**



Energy saving



No CO₂ emissions

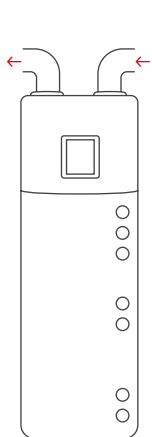


Water temperature up to 60 °C



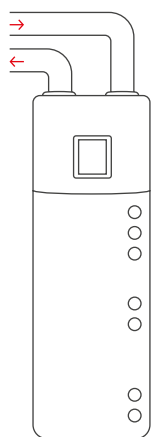
Different installation possibilities

Depending on the type premises, the installation can be carried out to meet the specific needs of the end user.



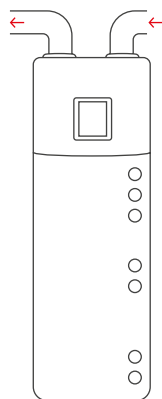
INSTALLATION WITHOUT DUCT

for premises with a surface area of at least 20 m² and sufficient ventilation



INSTALLATION WITH 2 EXTERIOR CONDUITS


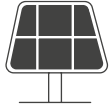
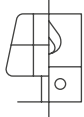
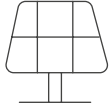

entrance and exit



INSTALLATION WITH 1 CONDUIT

exhaust to the outside

Configurations

| | |
|--|---|
| <p>① HOT DOMESTIC WATER HEATER WITH INTEGRATED ELECTRIC RESISTANCE</p> |  |
| <p>② HOT DOMESTIC WATER HEATER COMBINED WITH PHOTOVOLTAIC PANELS</p> |  |
| <p>③ HOT DOMESTIC WATER HEATER COMBINED WITH PHOTOVOLTAIC PANELS + ADDITIONAL HEATING BY BOILER</p> |  |
| <p>④ HOT DOMESTIC WATER HEATER + ADDITIONAL HEATING BY SOLAR THERMAL PANEL</p> |  |
| <p>⑤ HOT DOMESTIC WATER HEATER + ADDITIONAL HEATING BY BOILER</p> |  |





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