

# Innovative & Efficient Solutions

FOR HEAT PUMPS  
AND CHILLERS

# Why Choose Propane



Propane is used in many sectors as a fuel and refrigerant (R290). It is safe, non-toxic, suitable for medical use, and its application is increasing thanks to its environmentally friendly characteristics.



The use of advanced systems makes it possible to optimize propane consumption, improving the overall energy efficiency of installations. Thanks to these features, propane supports energy-saving strategies, helping to reduce operating costs and environmental impact.



Propane represents an innovative and sustainable solution for the environment due to its ecological properties and low environmental impact. As a clean fuel, it produces lower CO<sub>2</sub> emissions and pollutants compared to other traditional fossil fuels.

## Your Partner for Success

### ENEX TECHNOLOGIES SERVICE

HIGH LEVEL EXPERTISE AND  
CUSTOMER SUPPORT ON  
ENEX TECHNOLOGIES EQUIPMENT  
ACROSS EUROPE

- On-site or remote **technical support**
- Management of routine and preventive **maintenance**
- **Technical trainings** for customer and installers
- **Remote monitoring**
- **Spare parts** management





# What Is a Heat Pump and How Does It Work?

A heat pump is a device that moves heat from one location (called the “source”) to another location (called the “user”) using a small quantity of high grade energy.

It operates through a refrigeration cycle composed of a compressor, condenser, expansion valve, and evaporator. This system allows the heat pump to absorb heat from one environment and release it into another, providing heating or cooling as needed.

## The source

The heat pump absorbs thermal energy from an external environment via the evaporator. Depending on the type of source, the system is classified as either air-to-water or water-to-water.

## The user

The “user” refers to the water that is to be heated or cooled. Within the condenser, the refrigerant releases the heat it previously absorbed from the source. This heat is transferred to the user side, providing the desired thermal output.

# Why use a heat pump?



Reduction of greenhouse gas emissions



Use of renewable energy



No environmental pollution

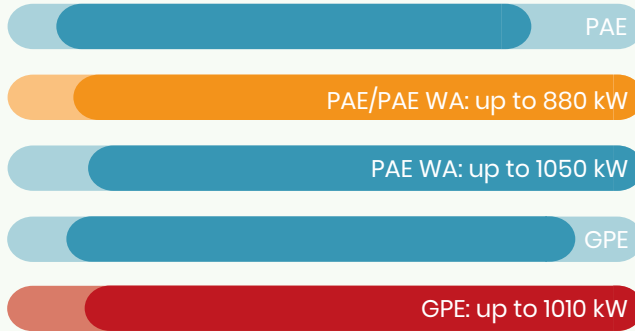




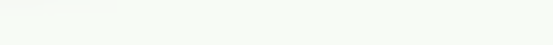
# R290 Range



**EVEREST<sup>290</sup>**  
PAE Kp/PAE WA Kp/ GPE Kp  
Reversible heat pumps, modular multi-purpose units with scroll compressors and axial fans



**RAS MC / RAS MC VB**  
Air cooled chillers with semihermetic reciprocated compressors and axial fans



**RAS F**  
Air cooled chillers with integrated free cooling system, semihermetic reciprocated compressors and axial fans



**RWS**  
Water cooled chiller with semihermetic reciprocated compressors



**PAS**  
Air cooled heat pumps with semihermetic reciprocated compressors and axial fans



**GPS**  
Air cooled multifunction units for 4-pipe systems with semihermetic reciprocated compressors and axial fans



**RAH MC VS U**  
Air cooled chillers with screw compressors and axial fans



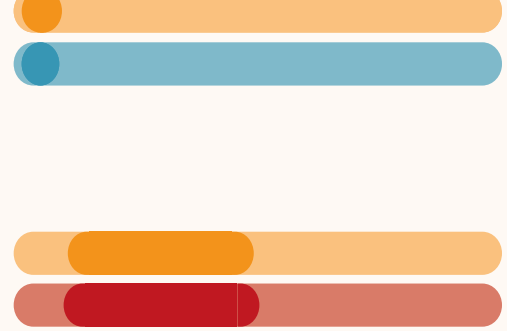
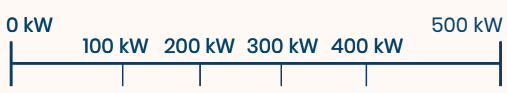
**GPH / GPH VS S HE**  
Air cooled multifunction units for 4-pipe systems with screw compressors and axial fans



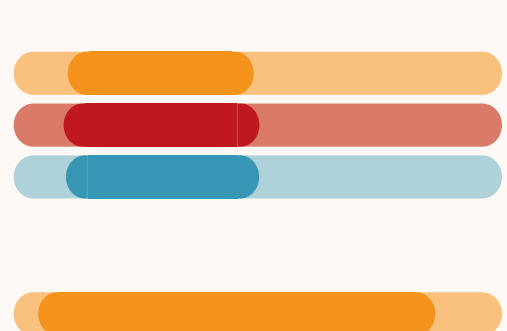
# Heat Pumps



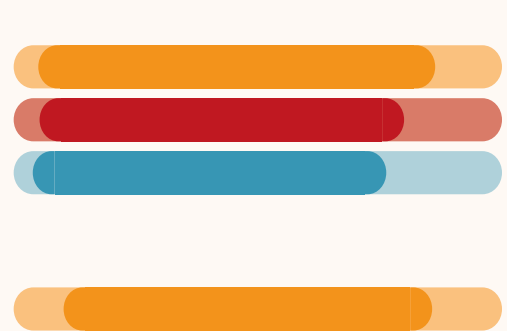
**LSA/HP**  
High efficiency air to water heat pumps



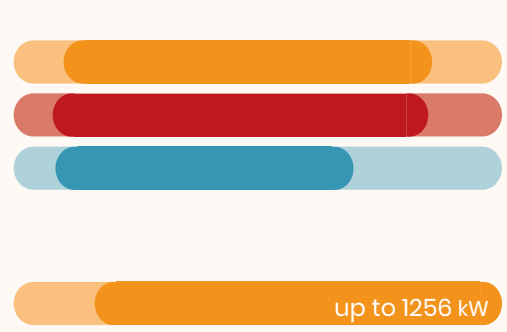
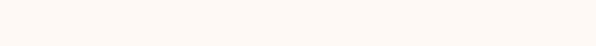
**LHi P2 / LHi P4**  
High efficiency air to water heat pumps with inverter compressor and axial fans



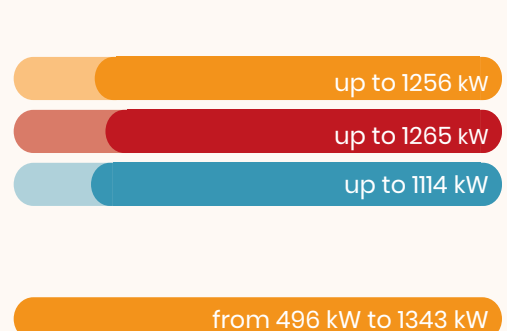
**LHA P2 / LHA P4**  
High efficiency air to water heat pumps with scroll compressor and axial fans



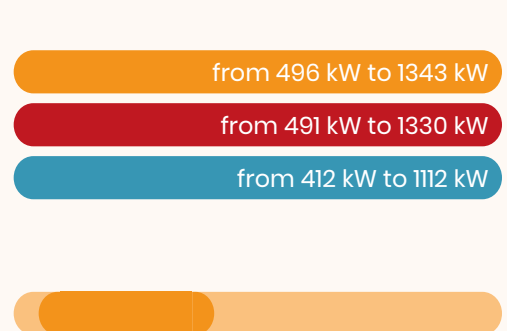
**LHE P2 / LHE P4**  
High efficiency air to water heat pumps with scroll compressor and axial fans with low gwp refrigerant



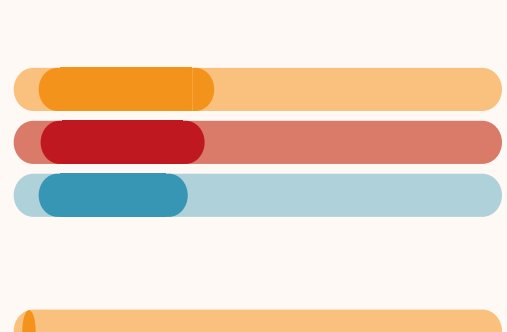
**PAE N / GPE N**  
High efficiency air to water heat pumps with scroll compressor and axial fans with low gwp refrigerant



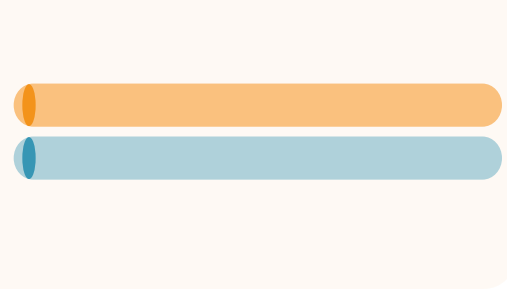
**PAH VS / GPH VS**  
High efficiency air to water heat pumps with inverter screw compressor and axial fans



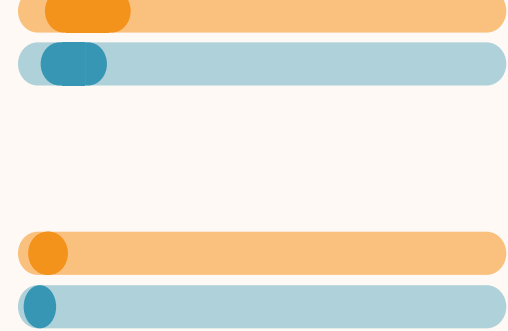
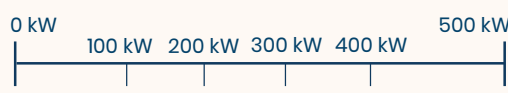
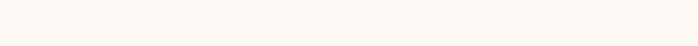
**LZT P2 / LZT P4**  
High efficiency air to water heat pumps with E.V.I. compressor and axial fans



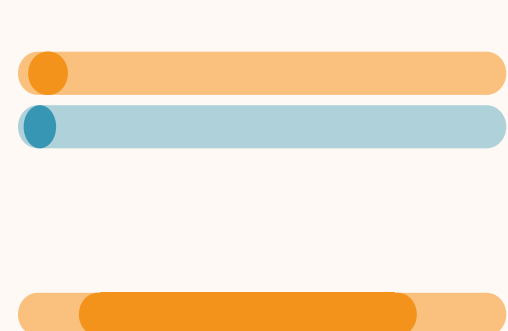
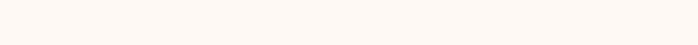
**LZTi**  
High efficiency air to water heat pumps with DC inverter compressor with vapor injection (EVI) and axial fans



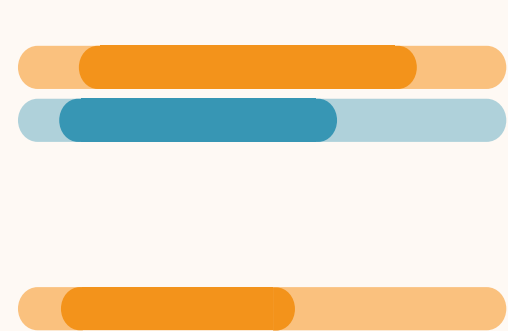
**WZT**  
High efficiency air to water split system heat pumps equipped with E.V.I. compressors in two sections



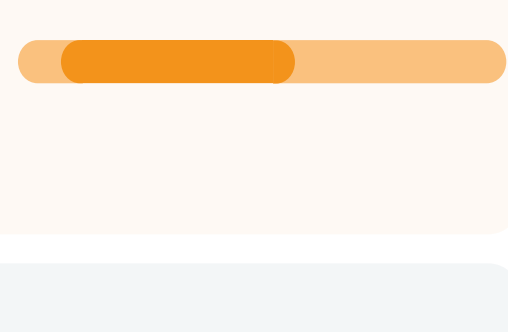
**WZA**  
Ground source water to water heat pumps equipped with scroll compressor



**WHA**  
Ground source water to water heat pumps equipped with scroll compressor



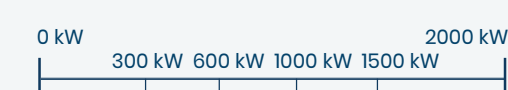
**WHK**  
Super-high temperature water to water heat pumps equipped with scroll compressor



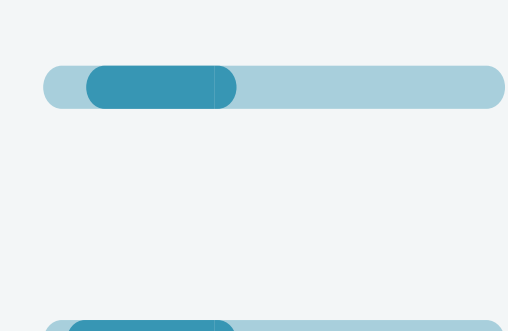
# Chillers



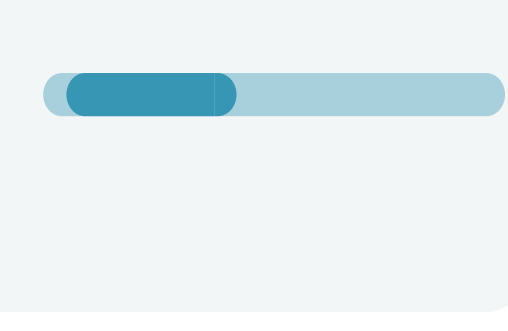
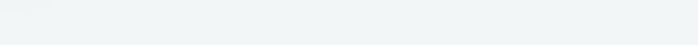
**RAE N HE · RAE N HE S**  
Air cooled chillers scroll compressors and axial fans



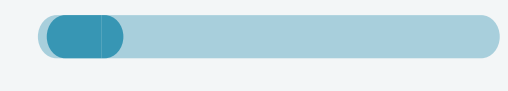
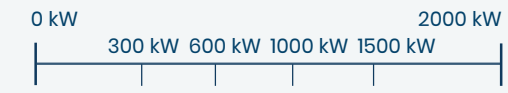
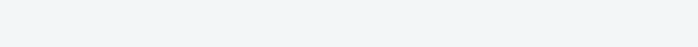
**RAE N S**  
Air cooled chillers scroll compressors and axial fans



**RAE N MC · RAE N MC S · RAE N MC HE · RAE N MC HE S**  
Air cooled chillers scroll compressors, axial fans and microchannel condensing coils



**RAE N C**  
Air cooled chillers scroll compressors and plug-fan



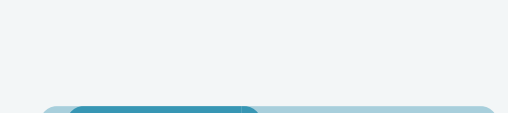
**RAH MC VS · RAH MC VS S · RAH MC VS HE · RAH MC VS HE S**  
Air cooled chillers scroll compressors, axial fans and microchannel condensing coils



**RAC MC HE · RAC MC HE S · RAC MC HE U**  
High efficiency air cooled chillers brushless oil-free turbocor compressors, axial fans and microchannel condensing coils



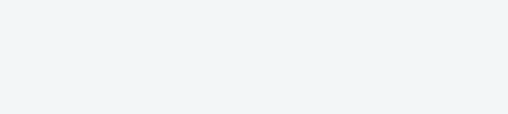
**RAE F · RAE F HE · RAE F S · RAE F U**  
Air cooled chillers with integrated free cooling, scroll compressors and axial fans



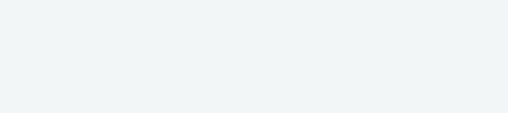
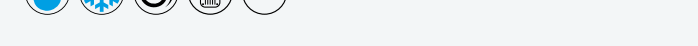
**RAH F · RAH F HE · RAH F S · RAH F U**  
Air cooled chillers with integrated free cooling, screw compressors and axial fans



**RAH VS F · RAH VS F HE · RAH VS F S · RAH VS F U**  
Air cooled chillers with integrated free cooling, screw inverter compressors and axial fans



**RWE N**  
Water cooled chillers scroll compressors



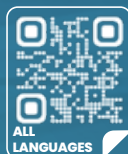
**RWH VS**  
Water cooled chillers screw compressors full inverter and shell and tube exchanger



**RWC**  
Water cooled chillers brushless oil-free turbocor compressors







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