



# Air-to-water reciprocating heat pump

PAS Kp: packaged air-to-water reversible reciprocating heat pump for outdoor use

Cooling capacity from 36 kW to 297 kW  
Heating capacity from 43 kW to 335 kW



Air Condensed



AC Axial fans



Semihhermetic reciprocating compressors



Plate exchangers



Microchannel aluminium coils



EC Axial fans (Option)



Inverter technology



Outdoor installation



Natural Refrigerant



High efficiency (Option)

EMICON's propane packaged air-to-water reversible reciprocating heat pump, using highly sustainable R290 refrigerant, is suitable for outdoor use, in all HVAC applications.

### FEATURES

- 1 or 2 independent cooling circuits equipped with 1 or 2 compressors for each circuit.
- Possibility to interface to BMS system.
- Leak sensor turns off the compressors and activates the extraction fan in case of a refrigerant leak.
- Operation in cooling mode down to  $-10^{\circ}\text{C}$

### OPTIONS

- Operation in cooling mode down to  $-20^{\circ}\text{C}$  (Opt. BF)
- Soundproof compressor cabinet with higher thickness material
- Partial heat recovery
- Electronic thermostatic valve
- Part-winding compressor start-up system
- Advanced Cascade system – up to n.6 units
- BACNET or TCP/IP Protocol serial interface with RS 485
- Inverter for pump
- Hiweb supervision system

### APPLICATION



Hospitality



Office building



Healthcare



Shopping mall

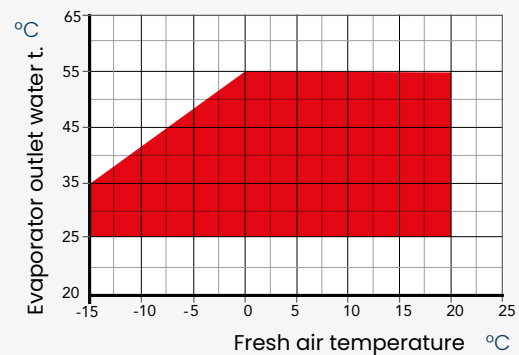
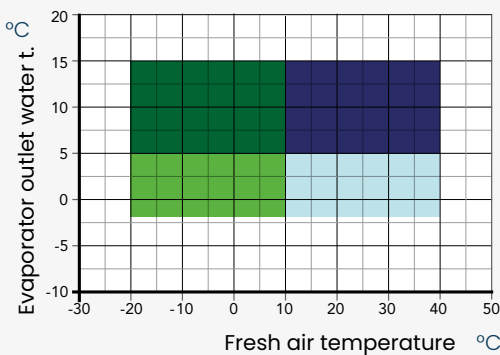


Airport



Sports & Leisure

### Operating range



- Cooling mode with condensing pressure control
- Cooling mode
- Cooling mode with condensing pressure control and glycol

- Cooling mode with glycol
- Heating mode