



Free cooling chiller

RAS F Kp: Packaged air-cooled reciprocating chillers for outdoor use with free cooling

Cooling capacity from 54 kW to 350 kW



Air
Condensed



AC Axial fans



Semihermetic
reciprocating
compressors



Plate
exchangers



Microchannel
aluminium coils



EC Axial fans
(Option)



Outdoor
installation



Free
Cooling



Natural
Refrigerant



High efficiency
(Option)



Inverter
technology

EMICON's propane packaged air-cooled reciprocating chillers for outdoor use with free cooling, using highly sustainable R290 refrigerant, are suitable for high temperature process cooling applications, data centres and in general where cooling is required all year round. When the outdoor ambient temperature is sufficiently low, the integral free cooling coils allow cooling without operating the compressors.

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
- Integrated free-cooling section allows for partial or total recovery of cooling capacity from external air with low energy consumption

OPTIONS

- Soundproof compressor cabinet with higher thickness material
- Axial fans with electronic commutated motor
- 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 and compressor

APPLICATION



IT cooling



Food processing



Industry



District cooling

Operating range

