

Aircooled Chillers \ Screw Flooded

ScrewDRIVER

Aircooled screw flooded evaporator chiller



Cooling capacity A35/W7: 170-1800 kW

Compressors: Screw

Refrigerant: R134a (R1234ze on request)

Fans: Axial

Condenser: Microchannel

Evaporator: Shell&Tube Flooded

Basic version: EEV, RS485 Modbus, etc.

Key available options:

Inverter or On-Off pump and tank kits \ EC Fans \ Axitop-type diffusers \ Coils e-coating \ Touchscreen display \ LON, BACnet \ Heat recovery \ Soft start \ etc.

Freecooling options: fans control

Dependent - freecooling coils in parallel to condenser coils and use the same fans. Freecooling capacity depends on condensing pressure regulation.

Independent - freecooling coils in separate module and use separate group of fans. Freecooling capacity is independent from condensing pressure regulation.

Mixed - freecooling coils are partly dependent and partly independent.

Freecooling options: liquid control

Direct (Glycol) - glycol mixture from the system directed to the freecooling coils by 3 way valve.

Glycol Free - water in evaporator and glycol in the freecooling coils. Heat exchange is in BHPE heat exchanger. Freecooling coils are fed by additional pump.

Direct Pump - additional pump for freecooling coils instead of 3way valve. Allows to reduce pressure drop and electrical consumption in non freecooling mode.

Temperature \ Liquid \ Controls options

Up to -35°C without freecooling - condenser bypass option with EC fans and wind baffles \ Or TRIAC fan speed control \ Or EC fans.

Upto -8°C leaving liquid - special BRINE option. Icebank compatible.

Hydromodule control - Felzer hydromodules can be controlled from the unit.

Noise \ Efficiency options

Standard - most efficient solution from Price/Noise/EER ratio point of view.

X low noise - plus 1 coil/fan in each circuit and reduced fan speed.

High Efficiency - plus 1 coil/fan in each circuit and maximal fan speed.