

# Aircooled Units

## AirPLUS

### Aircooled scroll chiller



Cooling capacity A35/W7\*: 160-1900 kW

Compressors: Scroll

Refrigerant: R410a

Fans: Axial

Condenser: Microchannel

Evaporator: BPHE

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 fedded by additional pump.

**Direct Pump** - additional pump for freecooling coils instead of 3 way 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.

\* - A35/W7 = Ambient air temperature 35°C, User side leaving water temperature 7°C