

Watercooled \ Remote Condenser Chillers

WaterBIRD \ WaterBIRD iNVi

Chiller water stations: watercooled and remote condenser



Cooling capacity CW35/W7*: 30-750 kW

Compressors: Scroll \ Scroll inverter optionally

Refrigerant: R410a

Condenser: BPHE \ Remote

Evaporator: BPHE

Basic version: EEV, RS485 Modbus, Low noise panels, hydronic station, etc.

Key available options:

Touchscreen display \ LON, BACnet \ Soft start
\ Heat recovery \ Energymeter \ COP control \
Stainless steel water piping \ etc.

Freecooling options

Parallel inverter - freecooling operates simultaneously to compressors. Condensing pressure is controlled by inverter pump. Drycooler fans are controlled from the unit.

Parallel valve - freecooling operates simultaneously to compressors. Condensing pressure is controlled by 3 way valve. Drycooler fans are controlled from the unit.

Serial - freecooling operates then compressors are stopped. Drycooler fans are controlled from the unit.

Tank & Pumps options

Direct - tank on the water inlet or outlet. High or low pressure On/Off or inverter system pump. Inverter system pump can be differential pressure regulated from 70 to 100%.

VWF (variable water flow) - hydronic separator tank and evaporator very low pressure pump. High or low pressure On/Off or inverter system pump. Inverter system pump can be differential pressure regulated from 0 to 100%.

Customisation - chilled beam 3 way valve \ second system pump \ etc.

Ambient temperature options

Drycooler fans control from the unit.

Up to -35°C on watercooled chiller - 3 way bypass valve and condenser pump.

Up to -35°C on remote condenser chiller - condenser bypass and liquid receiver.

* - CW35/W7 = Condenser leaving water temperature 35°C, User side leaving water temperature 7°C