

# Heat Pumps: Liquid to Water

## WaterPLUS HP \ WaterBIRD HP

### Liquid to water heat pumps \ Hot water stations



Heating capacity S7/W35\*: 30-1200 kW

Hot water temperature standard: upto +55°C

Hot water temperature HT: upto +65°C

Compressors: Scroll

Refrigerant: R410a

Condenser: BPHE

Evaporator: BPHE

Basic version: EEV, RS485 Modbus, etc.

#### Key available options:

Low noise \ Touchscreen display \ LON, BACnet

\ Soft start \ Heat recovery \ Energymeter \

COP control \ Stainless steel water piping \ etc.

---

#### Heatpump versions

**HPG: Ground source** - nonreversible unit. Source liquid from -5C. Heat water upto +55 - +65°C

**HPR: Reversible on refrigerant side** - the unit can work as a heat pump or as a chiller. The reversion in the refrigerant circuit. Liquid from the source side is separated from the user side water.

**HPRW: Reversible on water side** - the unit can work as a heat pump or as a chiller. The reversion in the water circuit. Liquid from the source side is mixed with the user side.

#### Tank & Pumps options

**Tank** - tank on the cold or hot water side.

**Inverter or ON/OFF pumps** - high or low pressure On/Off or inverter system pump.

**Hydronic separator tank** - hydronic separator tank on the cold or hot water side and heat exchanger very low pressure pump. High or low pressure On/Off or inverter system/user pump. Inverter system pump can be differential pressure regulated from 0 to 100%.

**Customisation** - 3 way valves \ Second pumps \ etc.

\* - S7/W35 = Source side leaving water temperature 7°C, User side leaving water temperature 35°C