



AIR TO WATER HEAT PUMP R32 SPLIT

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APOLLO SERIES HEAT PUMP

SPLIT heat pump R32 air to water with indoor module HydroBox are specifically designed and developed for the European market and very cold climate – minimum outdoor temperature for operation is up to -30 °C. Usage of EVI compressor DC Inverter technology allows more efficiency and ensure stable operation at lower ambient temperatures. The heat pump with refrigerant R32 reaches flow temperature up to 65 °C and therefore can be used in houses with underfloor heating and radiators with maximum operation temperature 60 °C. Smart Wi-Fi controller with touch display and application provides intelligent, user friendly settings all parameters.

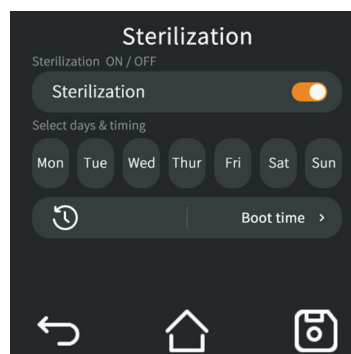
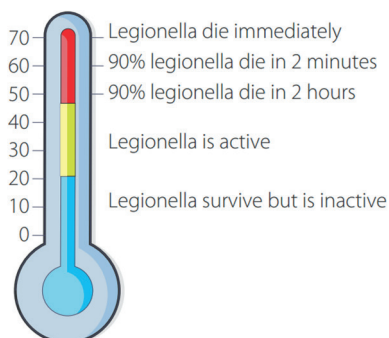
The main features and parameters:

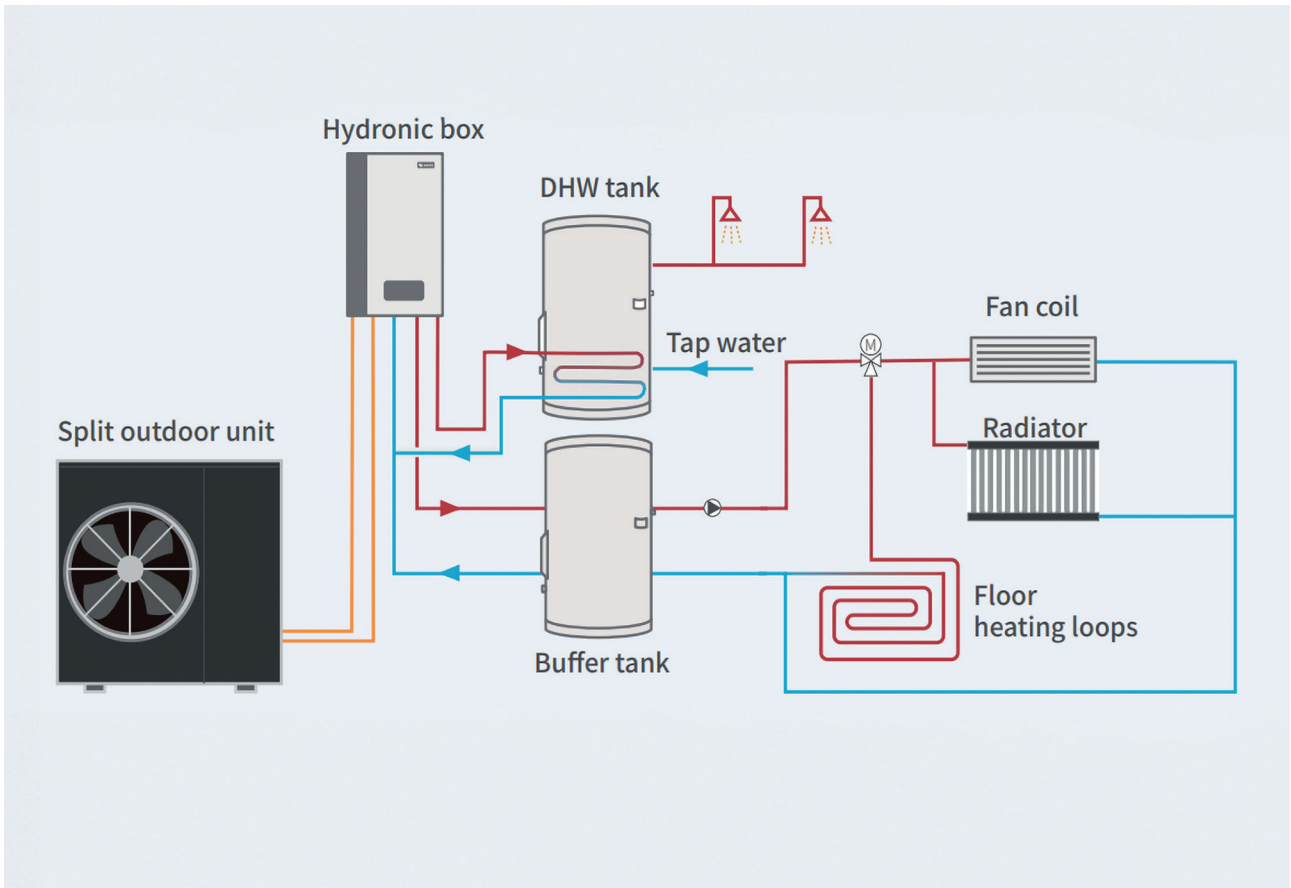
- Performance 8, 10, 12, 14 a 16 kW
- 1 phase (230V) all units or 3 phases (400V) 12, 14 and 16 kW units
- Very high efficiency
- Flow temperatures 65 °C
- Compressor - Twin rotary EVI DC Inverter
- Refrigerant R32 (GWP 675)
- A+++ Energy efficiency class (water 35 °C)
- HydroBox – BP heat exchanger, pump, electric heater, 3-way valve, automatic air purge valve, expansion vessel, flow switch, etc.
- Operation temperature -30 to +43 °C for heating and DHW
- Cooling mode is possible from -5 to +48 °C ambient air
- Heating / colling mode as standard
- SG Ready
- Electronic expansion valve
- KEYMARK certificate
- MODBUS protocol and network conectivity
- Combination with PV system

DISINFECTION FUNCTION

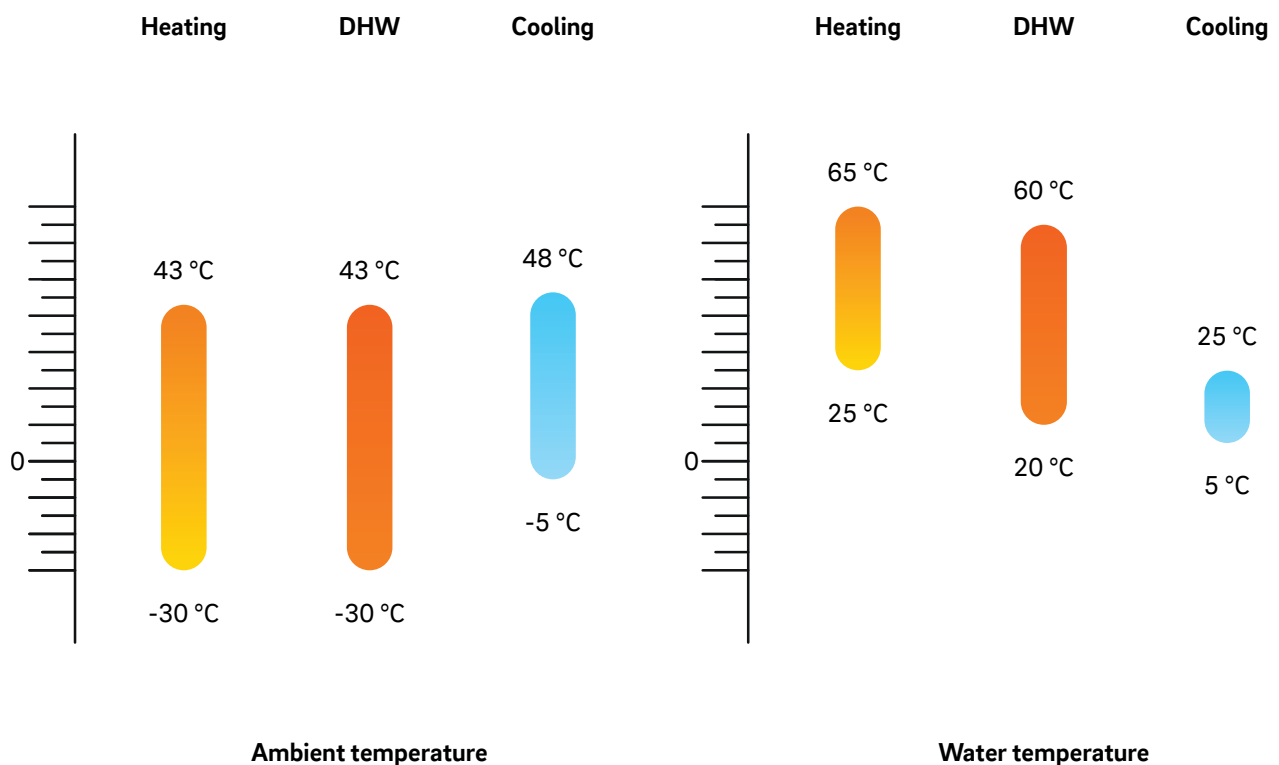
DHW disinfection function

- The disinfect function is used to kill legionella using 70 °C water to ensure system health and safety. This function can be activated through the user interface.





WIDE RANGE OF OPERATION -R32 SPLIT



WI-FI CONTROLLER AND APP

Main features

- Touch-key design
- Colour LCD
- Error code display
- Operation parameter checking
- Point check function
- Multiple languages (12 languages)
- Child lock function
- Buzzer alarm
- Built-in temperature sensor and Wi-Fi module
- Modbus protocol and network flexibility



SPECIFICATIONS

Heating (A7W35)	Capacity	kW	8.5	10.1	12.2	14.3	16.0
	Power input	kW	1.63	2.02	2.45	3.03	3.55
	COP	W/W	5.21	5.0	4.98	4.72	4.51
Cooling (A35W18)	Capacity	kW	8.5	10.0	12.2	14.0	15.2
	Power input	kW	1.68	2.09	2.75	3.32	3.72
	EER	W/W	5.06	4.78	4.44	4.22	4.09

Refrigerant (R32)	Factory	kg	1.5			2.2	
Sound pressure Level*		dB(A)	66	67	68	69	70
Net dimension (W×H×D)		mm	1020×1020×405				
Net / Gross weight		kg	95/105			115/125	
Water piping connection		-					

* Sound pressure level is the maximum value tested under the two conditions of Heating: A7W35 and Cooling: A35W18.

FULLY CERTIFIED

