

Domestic hot water heat pump

Floor standing tank with heat exchanger (welded directly into the boiler).
 Integrated heat pump and electrical heating element.
 Steel boiler, inside enamelled according to DIN 4753, with magnesium anode.
 High-quality PU foam heat insulation, Boiler foamed directly into the outer cladding.
 No heat transmission losses between the heat pump and storage tank.
 Large-surface high-performance pipe heat exchanger welded directly into the boiler and enamelled for alternative energy and boiler operation.
 High performance pipe heat exchanger pulled into the base for optimum heating of cylinder content.
 Cover with 2 connections Ø 250 mm at the side (supply and exhaust air).
 No electrical connection and refrigeration work required.
 The device is built in compact design and ready to plug in (plug and play).
 Automatic switching off of the heat pump at temperatures below 7°C.
 Digital display with smart controls.
 Integrated automatic legionella protection.
 Tested, proven technology, easy to install, easy to integrate in all systems.
 Variety of operating options (heat pump, electrical heating element or boiler).
 Combined operation (Heat pump + electric heating element or heat pump + boiler).
 Additional switching output (circulation pump for heating boiler).
 Potential free signal input for photovoltaic system.

Technical data:

Nominal capacity: 450 L
 Operating pressure/ temperature, tank: max. 10 bar/ max. 95°C

Water connections: 1" AG
 Heating connections: 1" IG
 Circulation connection: 3/4" AG
 Dimensions including insul. (H x W/Dm): 2070 mm x Ø 792 mm
 Tilt height: 2200 mm
 Weight tank + heat pump: 240 kg
 Heat exchanger surface: 1.76 m²

Technical data heatpump

Power consumption: max. 980 W/ 4980 W*
 Heating capacity: max. 3830 W/ 7830 W*
 Electrical heating element: 2 x 2000 W
 Voltage/ frequency: 230 V/ 50 Hz or 400 V/ 50Hz
 COP - EN16147, A20/W10-W55): 3.9
 Refrigerant (quantity): R134a (1.8 kg)
 Hot water temperature: max. 55°C/ element ~65°C

Air flow rate: 800 m³/h
 Operating temperature range: min. -7°C - max. 35°C
 Protecting class: IPX1
 Sound pressure level: 57 dB(A)

*In case of an active electrical heater (3.0 kW)

Make: KRONOTERM
Model: WP4 LF-502 /1 E D P V P

