

Qty. Description

1 Hydro Solo-E CRE 5-9



Note! Product picture may differ from actual product

Product No.: [98453513](#)

Grundfos Hydro Solo-E booster set is a combined unit consisting of one Variable speed driven pump (CRE) fitted with isolating valve, non-return valve, discharge pipe, pressure transmitter, pressure gauge, diaphragm tank and Main power switch.

The Booster system is factory configured and tested ready for constant pressure operation.

The pump is fitted with an IEC-flanged three-phase MGE motor with frequency converter and PI-controller integrated in the motor terminal box. No additional motor protection is required as both motor and electronics are protected by integrated overload and temperature protection.

A control panel enables setting of required setpoint as well as setting of pump to MIN or MAX operation or to STOP.

The Grundfos Eye indicator on the control panel provides visual indication of pump status: The control panel has

- "Power on": Motor is running (rotating green indicator lights) or not running (permanently green indicator lights)
- "Warning": Motor is still running (rotating yellow indicator lights) or has stopped (permanently yellow indicator lights)
- "Alarm": Motor has stopped (flashing red indicator lights).

Communication with the pump is possible by means of the Grundfos GO Remote (accessory). The remote control enables further settings as well as reading out of a number of parameters such as "Actual value", "Speed", "Power input" and total "Power consumption".

The terminal box has a number of inputs and outputs enabling the motor to be used in advanced applications where many inputs and outputs are required:

- Two dedicated digital inputs
- Three analog inputs, 0(4)-20 mA, 0-5 V, 0-10 V, 0.5 - 3.5 V
- 5 V voltage supply to potentiometer and sensor
- One analog output, 0-10 V, 0(4)-20 mA
- Two configurable digital inputs or open-collector outputs
- Two Pt100/Pt1000 inputs
- LiqTec, dry-running protection sensor input
- Grundfos Digital Sensor input and output
- 24 V voltage supply for sensors
- Two signal relay outputs (potential-free contacts)
- GENIbus connection
- Interface for Grundfos CIM fieldbus module.

Liquid:

Pumped liquid:

Water

Qty.	Description
1	Liquid temperature range: 0 .. 60 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Technical: Rated flow: 6.9 m³/h Rated head: 68 m Code for shaft seal: HQQE Materials: Base: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Impeller: Stainless steel EN 1.4301 AISI 304 Installation: t max amb: 50 °C Maximum operating pressure: 10 bar Standard for inlet connection: OVAL Type of inlet connection: Rp Type of outlet connection: Rp Size of inlet connection: 1 1/4 inch Size of outlet connection: 1 1/4 inch Flange size for motor: FT115 Electrical data: Motor type: 90LD Rated power - P2: 2.2 kW Mains frequency: 50 / 60 Hz Rated voltage: 3 x 380-500 V Rated current: 4.15-3.40 A Cos phi - power factor: 0.93-0.87 Rated speed: 360-4000 rpm Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 98190193 Tank: Volume of pressure tank: 18 l Others: Net weight: 48 kg Gross weight: 57 kg Shipping volume: 0.6 m³ Danish VVS No.: 385550209 Finnish LVI No.: 4925332