

Qty. Description

1 HYDRO MULTI-E 4 CRIE 10-1



Note! Product picture may differ from actual product

Product No.: [98486639](#)

GRUNDFOS Hydro Multi-E booster sets are designed for the transfer and pressure boosting of clean water in waterworks, blocks of flats, hotels, industry, hospitals, schools, etc.

GRUNDFOS Hydro Multi-E booster set consists of 2 to 4 CRIE pumps coupled in parallel and mounted on a common base frame provided with all the necessary fittings.

Hydro Multi-E is mounted on a common base frame made of stainless steel (DIN W.-Nr. 1.4301).

On the suction side are fitted a suction manifold (DIN W.-Nr.

1.4401 or DIN W.-Nr.

1.4571), a pressure switch mounted on a drainable valve and an isolating valve.

On the discharge side of the pumps are fitted a non-return valve, an isolating valve, a pressure gauge, two pressure transmitters mounted on a drainable valve a diaphragm tank and a stainless steel discharge manifold (DIN W.-Nr.

1.4401 or DIN W.-Nr.

1.4571).

The Hydro Multi-E is fitted with an on/off-switch for the supply voltage.

The Hydro Multi-E is designed for maintaining a constant pressure regardless of flow changes and fluctuation.

The internal PI-controller regulates the number of running pumps and the speed of the pumps according to the required flow.

The system can be operated directly on the panel of any of the pumps or via Grundfos GO (available as accessory)

Besides the system features:

2 Digital outputs

2 Digital inputs (one used for dry run protection)

2 Analogue inputs (one used for discharge pressure sensor)

Multi-Master functionality

2 Limit functions

Set-point influence function

Pipe filling function

High efficient PM motors

Available communication protocols:

•LON

•Profibus

•Modbus

•SMS/GSM/GPRS

•GRM

•BACnet

•BACnet IP

•Modbus TCP

•PROFINET

Qty. Description

1 When delivered, the GRUNDFOS Hydro Multi-E booster set is factory tested and ready for operation.

Liquid:

Pumped liquid: Water
 Liquid temperature range: 5 .. 60 °C
 Selected liquid temperature: 20 °C
 Density: 998.2 kg/m³

Technical:

Max flow: 62.8 m³/h

Materials:

Pump housing: Stainless steel

Installation:

Maximum operating pressure: 10 bar
 Maximum permissible inlet pressure: PN 10 bar
 Flange standard: DIN2642
 Manifold inlet: DN 80
 Manifold outlet: DN 80

Electrical data:

IE Efficiency class: IE5
 Power (P2) main pump: 0.75 kW
 Mains frequency: 50 / 60 Hz
 Rated voltage: 3 x 380-415 V
 Phase main pump: 1
 Rated current: 8 A
 Start. method: electronically
 Enclosure class (IEC 34-5): IP54

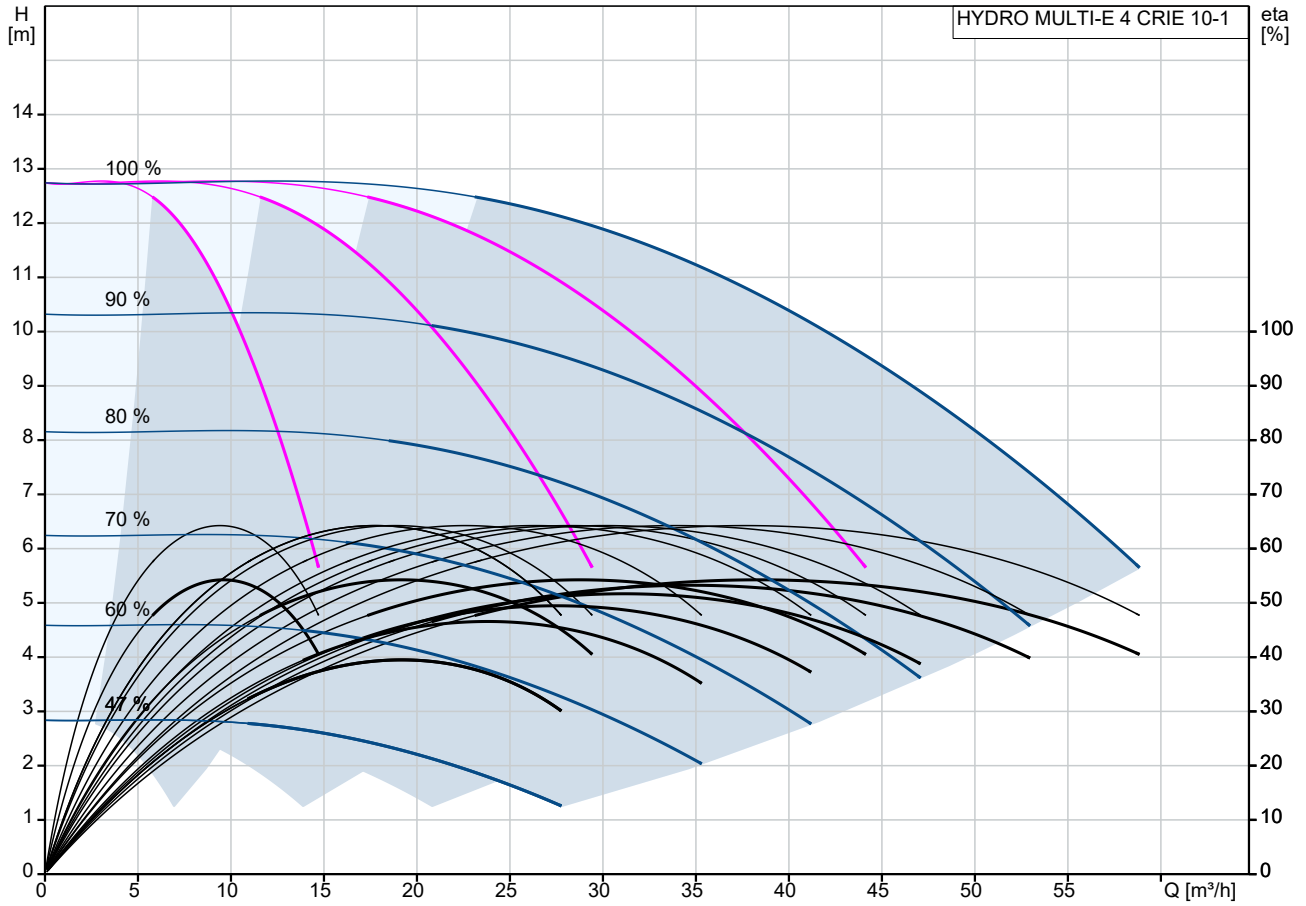
Tank:

Volume of pressure tank: 8 l
 Diaphragm tank: Yes

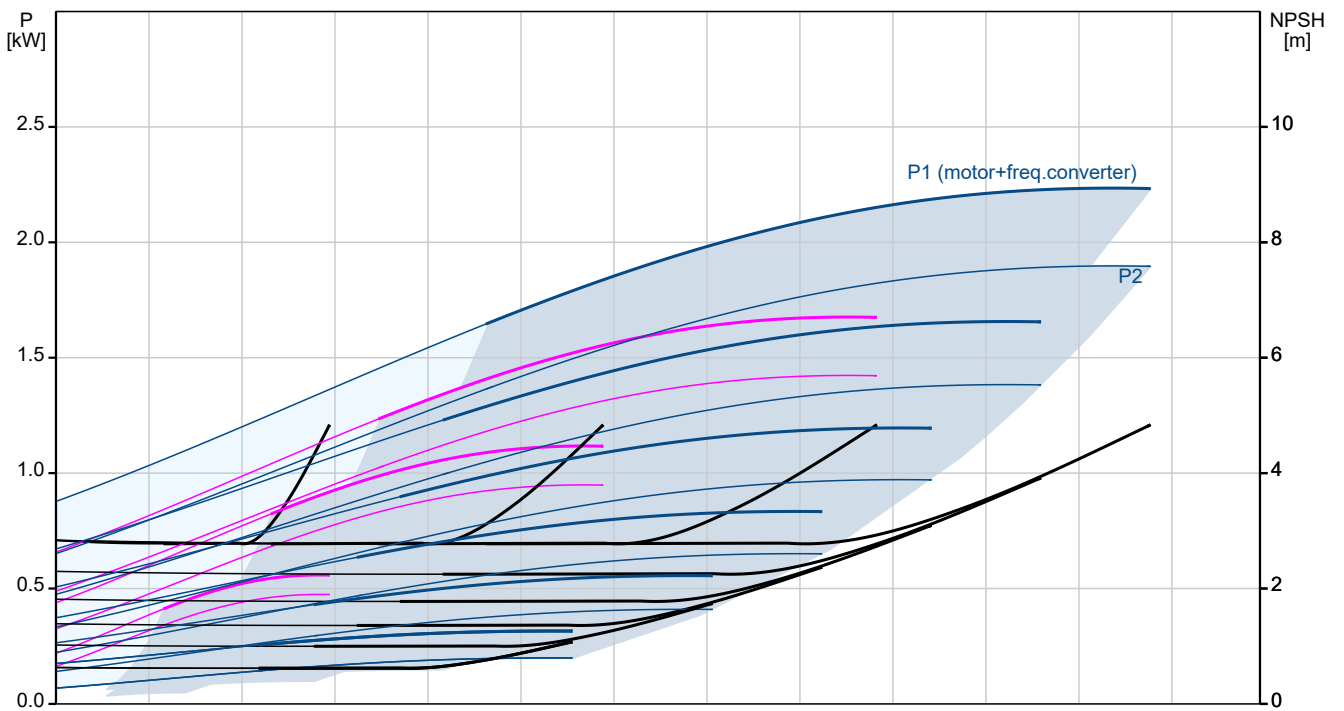
Others:

Net weight: 225 kg
 Gross weight: 241 kg
 Shipping volume: 0.8 m³
 Language: GB

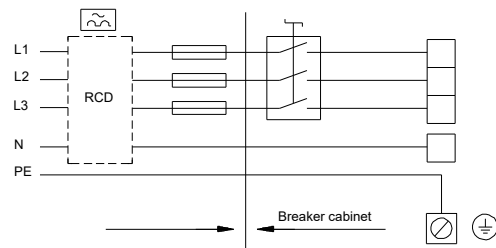
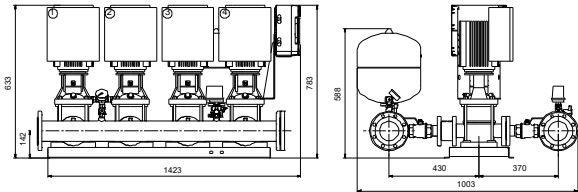
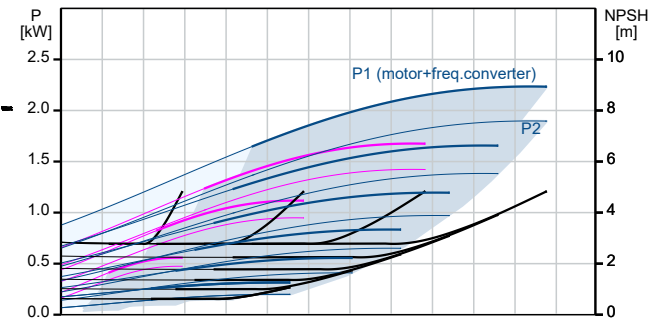
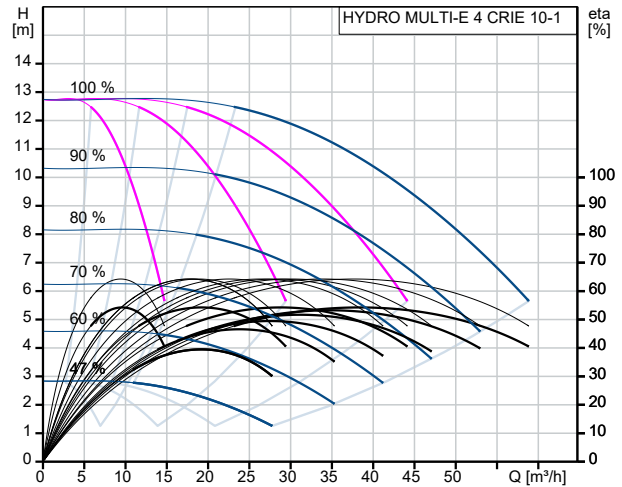
98486639 HYDRO MULTI-E 4 CRIE 10-1



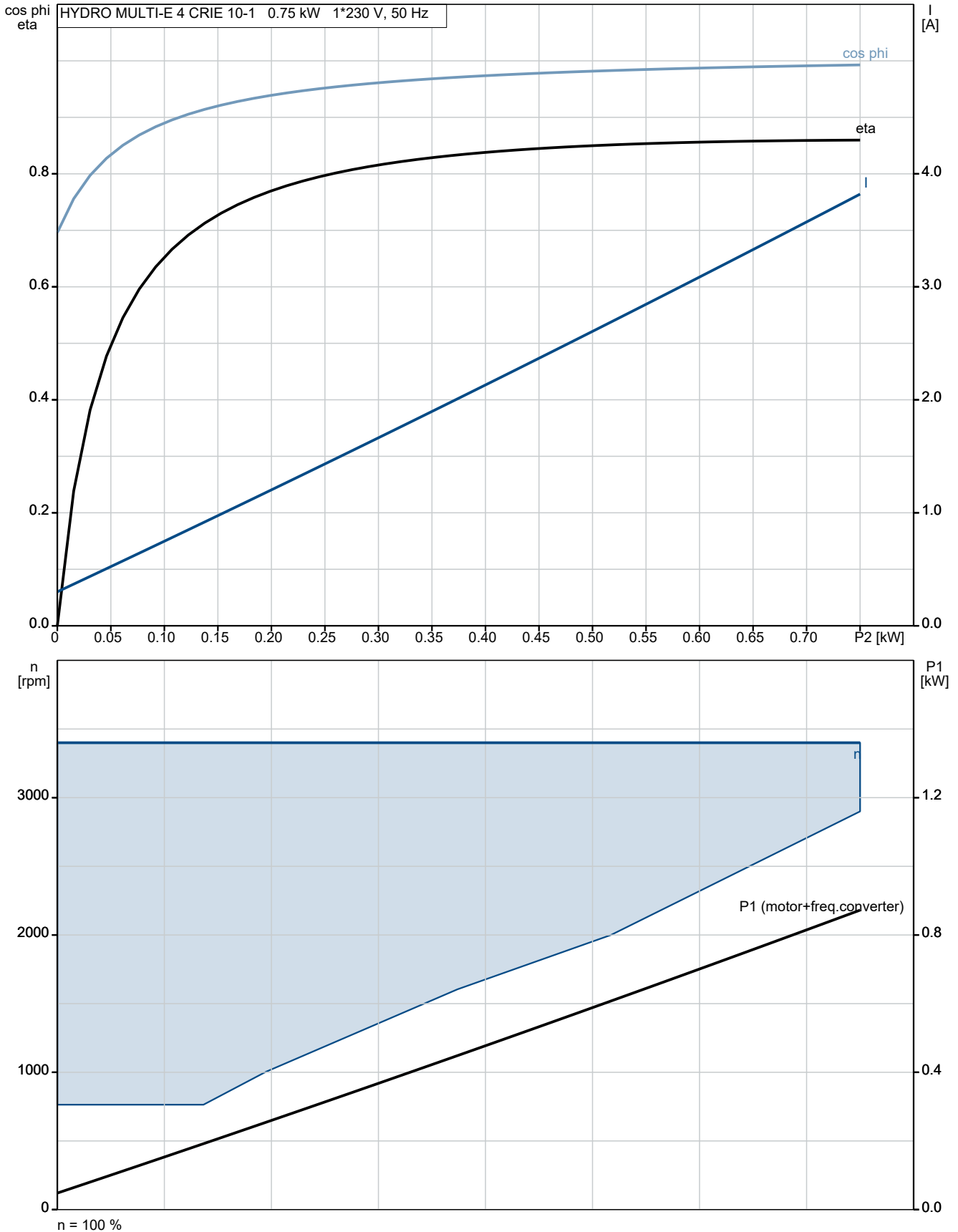
Losses in fittings and valves not included
 Pumped liquid = Water
 Liquid temperature during operation = 20 °C
 Density = 998.2 kg/m³



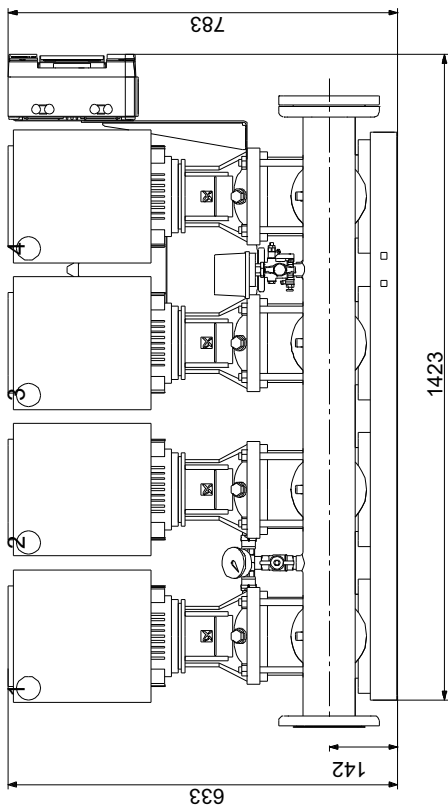
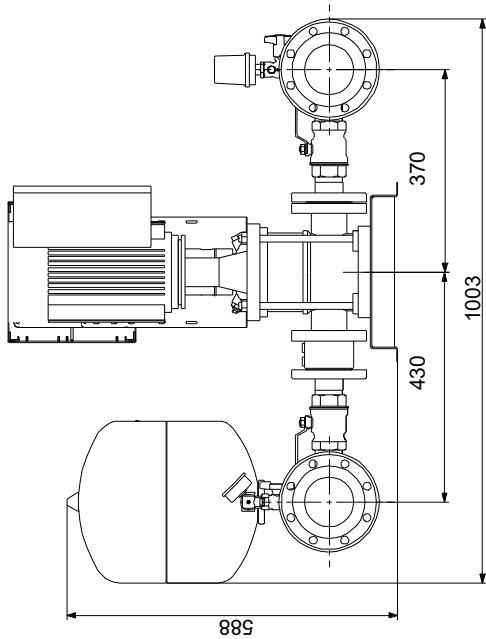
| Description | Value |
|-------------------------------------|---------------------------|
| General information: | |
| Product name: | HYDRO MULTI-E 4 CRIE 10-1 |
| Product No: | 98486639 |
| EAN number: | 5711495953058 |
| Technical: | |
| Max flow: | 62.8 m ³ /h |
| Min flow system: | 1.21 m ³ /h |
| Head max: | 14 m |
| Pump name: | CRIE 10-1 |
| Number of pumps: | 4 |
| Materials: | |
| Pump housing: | Stainless steel |
| Manifolds: | Stainless steel |
| Installation: | |
| Maximum operating pressure: | 10 bar |
| Maximum permissible inlet pressure: | PN 10 bar |
| Liquid: | |
| Pumped liquid: | Water |
| Liquid temperature range: | 5 .. 60 °C |
| Selected liquid temperature: | 20 °C |
| Density: | 998.2 kg/m ³ |
| Electrical data: | |
| IE Efficiency class: | IE5 |
| Power (P2) main pump: | 0.75 kW |
| Mains frequency: | 50 / 60 Hz |
| Rated voltage: | 3 x 380-415 V |
| Phase main pump: | 1 |
| Rated current: | 8 A |
| Start. method: | electronically |
| Enclosure class (IEC 34-5): | IP54 |
| Tank: | |
| Volume of pressure tank: | 8 l |
| Diaphragm tank: | Yes |
| Others: | |
| Net weight: | 225 kg |
| Gross weight: | 241 kg |
| Shipping volume: | 0.8 m ³ |
| Language: | GB |



98486639 HYDRO MULTI-E 4 CRIE 10-1

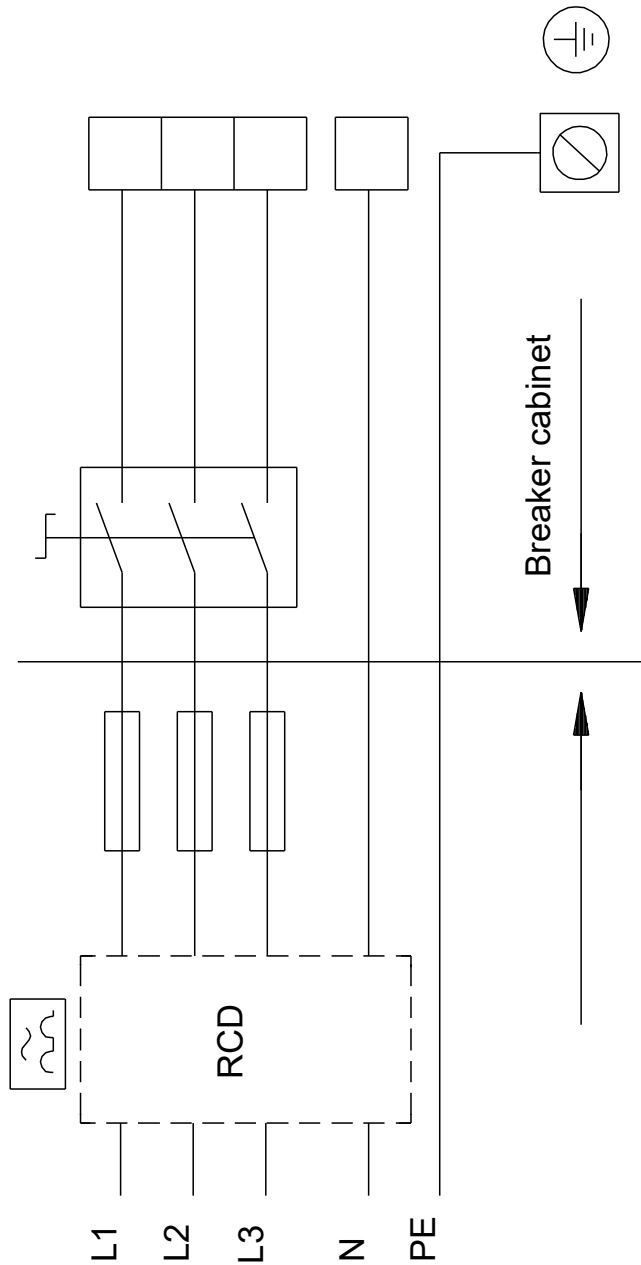


98486639 HYDRO MULTI-E 4 CRIE 10-1



Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

98486639 HYDRO MULTI-E 4 CRIE 10-1



Note! All units are in [mm] unless others are stated.

