

Qty. Description

1 HYDRO MULTI-E 3 CME 3-3



Note! Product picture may differ from actual product

Product No.: [98486656](#)

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 3 CME 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

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

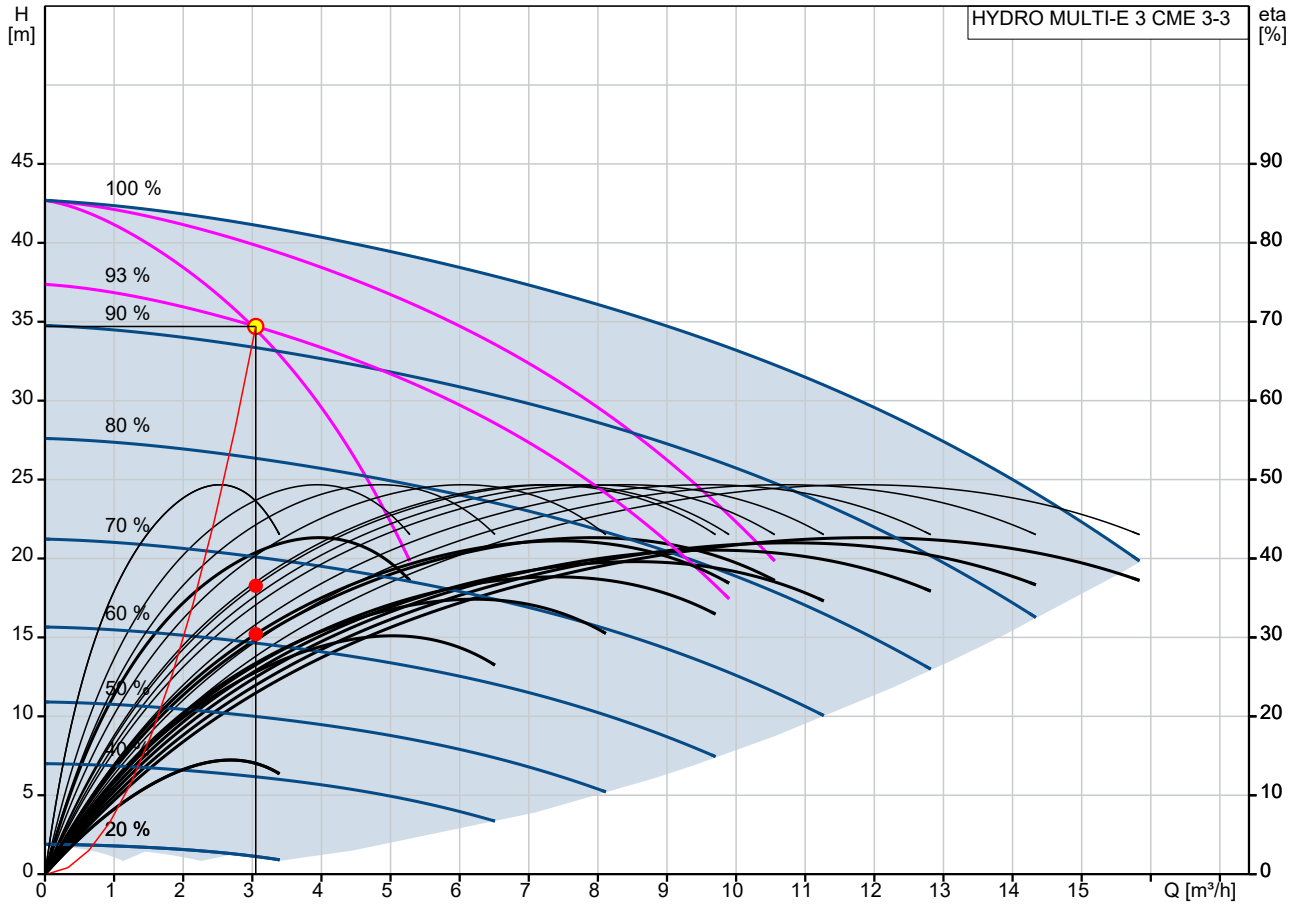
Selected liquid temperature: 20 °C

Density: 998.2 kg/m³

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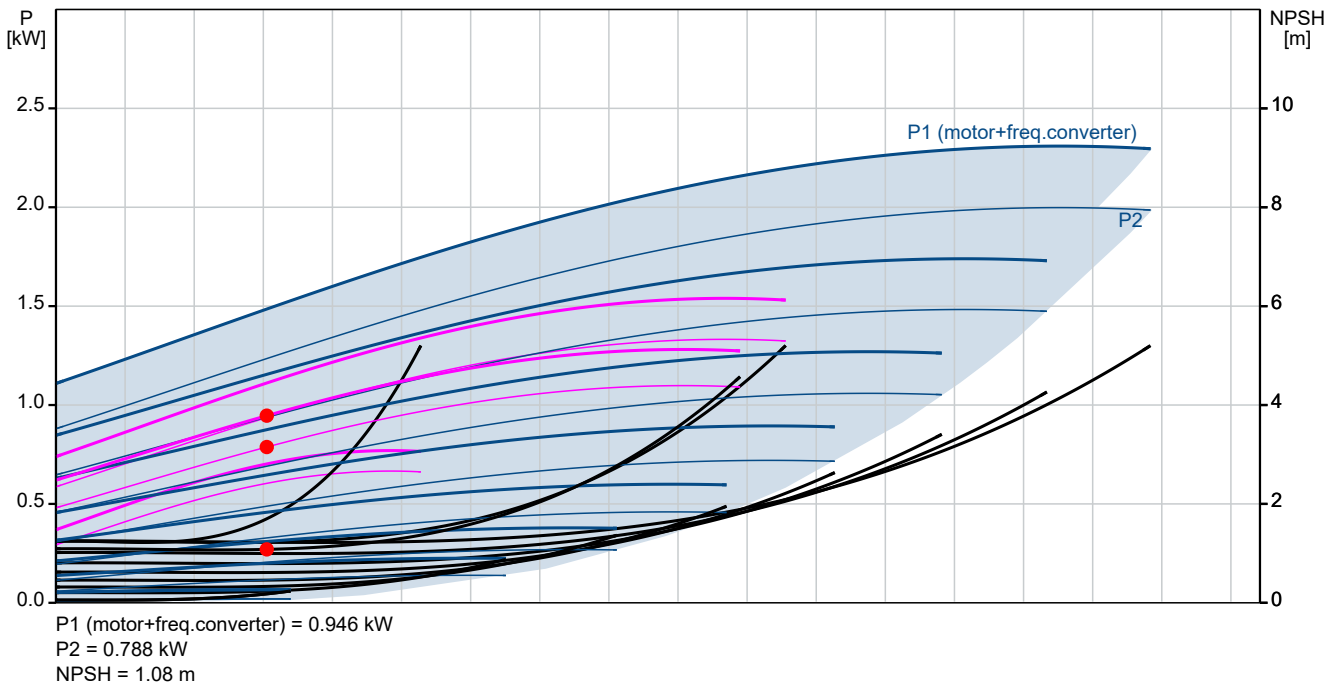
1	<p>Technical:</p> <p>Actual calculated flow: 3.05 m³/h</p> <p>Resulting head of the pump: 34.7 m</p> <p>Materials:</p> <p>Pump housing: Stainless steel</p> <p>Installation:</p> <p>Range of ambient temperature: 0 .. 50 °C</p> <p>Maximum operating pressure: 10 bar</p> <p>Maximum permissible inlet pressure: PN 10 bar</p> <p>Flange standard: DIN ISO 7/1</p> <p>Manifold inlet: R 1 1/2</p> <p>Manifold outlet: R 1 1/2</p> <p>Earth connection: N, PE</p> <p>Electrical data:</p> <p>Power (P2) main pump: 1.1 kW</p> <p>Mains frequency: 50 / 60 Hz</p> <p>Rated voltage: 3 x 380-415 V</p> <p>Phase main pump: 1</p> <p>Rated current: 6.5 A</p> <p>IE Efficiency class: IE5</p> <p>Start. method: E</p> <p>Enclosure class (IEC 34-5): IP54</p> <p>Tank:</p> <p>Volume of pressure tank: 8 l</p> <p>Diaphragm tank: Y</p> <p>Others:</p> <p>Net weight: 87 kg</p> <p>Gross weight: 98 kg</p> <p>Shipping volume: 0.513 m³</p> <p>Language: MULTI</p>
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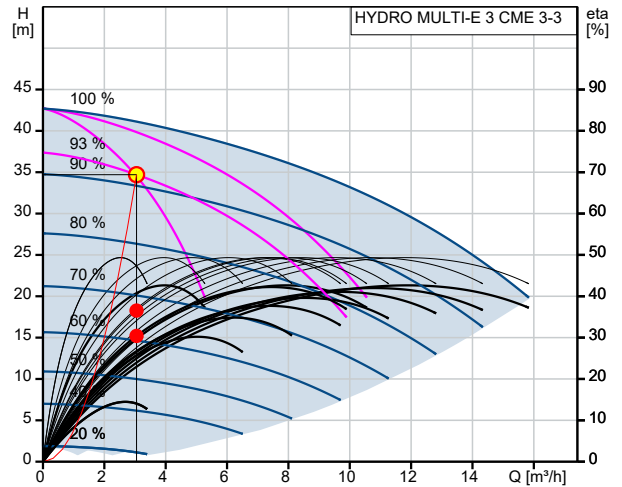


Losses in fittings and valves not included
 $H = 34.7 \text{ m}$
 Pumped liquid = Water
 Density = 998.2 kg/m^3
 Eta pump+motor+freq.converter = 30.4 %

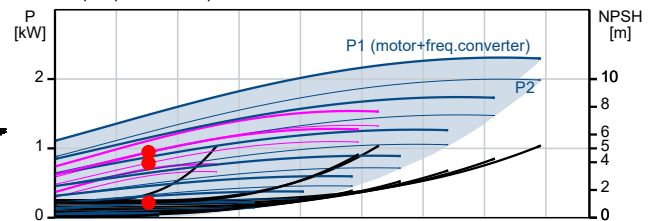
$Q = 3.05 \text{ m}^3/\text{h}$
 $n = 2 \times 93 \% / 3367 \text{ rpm}$
 Liquid temperature during operation = $20 \text{ }^\circ\text{C}$
 Eta pump = 36.5 %



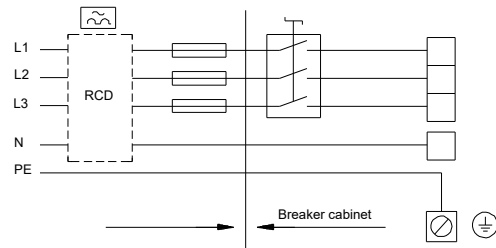
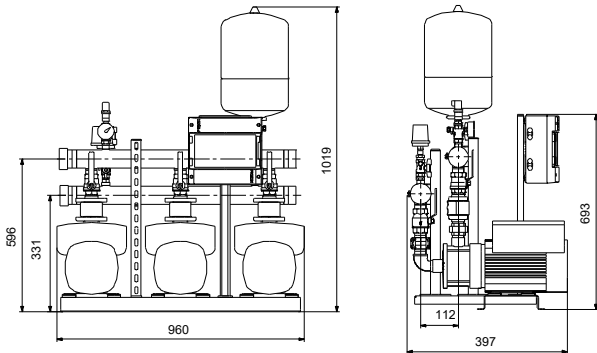
Description	Value
General information:	
Product name:	HYDRO MULTI-E 3 CME 3-3
Product No:	98486656
EAN number:	5711495953232
Technical:	
Actual calculated flow:	3.05 m ³ /h
Max flow:	15.6 m ³ /h
Min flow system:	0.31 m ³ /h
Resulting head of the pump:	34.7 m
Head max:	39.3 m
Pump name:	CME 3-3
Number of pumps:	3
Materials:	
Pump housing:	Stainless steel
Manifolds:	Stainless steel
Installation:	
Range of ambient temperature:	0 .. 50 °C
Maximum operating pressure:	10 bar
Maximum permissible inlet pressure:	PN 10 bar
Flange standard:	DIN ISO 7/1
Manifold inlet:	R 1 1/2
Manifold outlet:	R 1 1/2
Earth connection:	N, PE
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	5 .. 60 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
Power (P2) main pump:	1.1 kW
Mains frequency:	50 / 60 Hz
Rated voltage:	3 x 380-415 V
Phase main pump:	1
Rated current:	6.5 A
IE Efficiency class:	IE5
Start. method:	E
Enclosure class (IEC 34-5):	IP54
Tank:	
Volume of pressure tank:	8 l
Diaphragm tank:	Y
Others:	
Net weight:	87 kg
Gross weight:	98 kg
Shipping volume:	0.513 m ³
Language:	MULTI



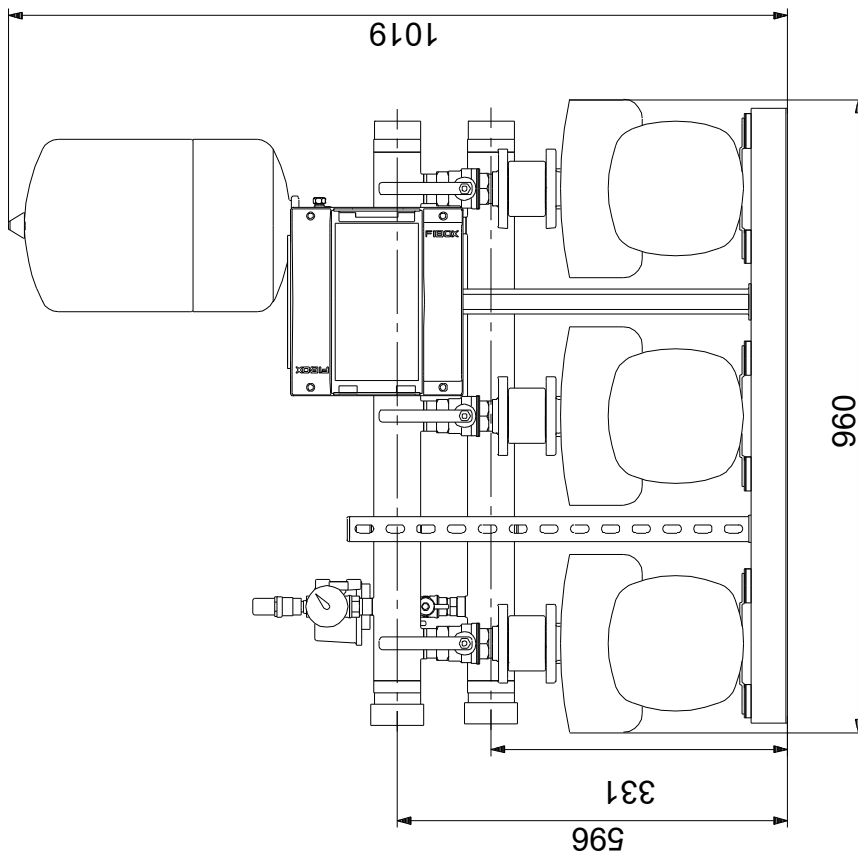
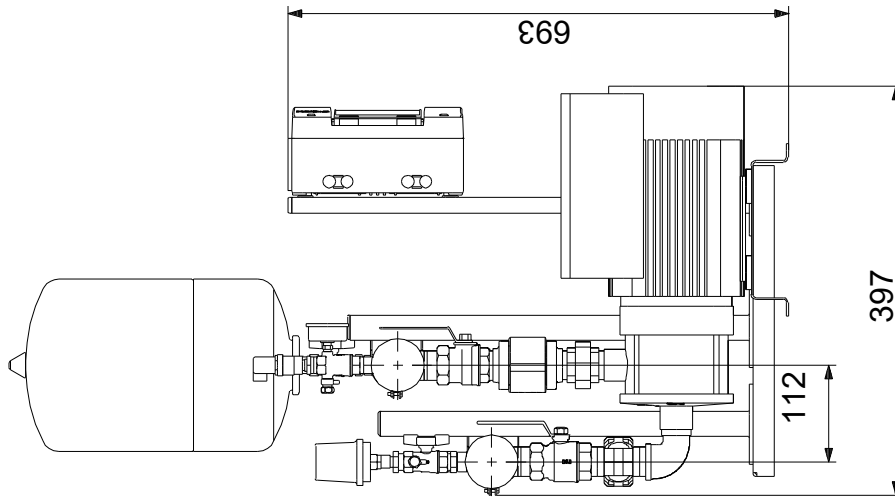
Q = 3.05 m³/h H = 34.7 m
 n = 2 x 93 % / 3367 rpm Pumped liquid = Water
 Density = 998.2 kg/m³ Eta pump = 36.5 %
 Losses in fittings and valves not included
 Liquid temperature during operation = 20 °C
 Eta pump+motor+freq.converter = 30.4 %



P1 (motor+freq.converter) = 0.946 kW
 P2 = 0.788 kW
 NPSH = 1.08 m

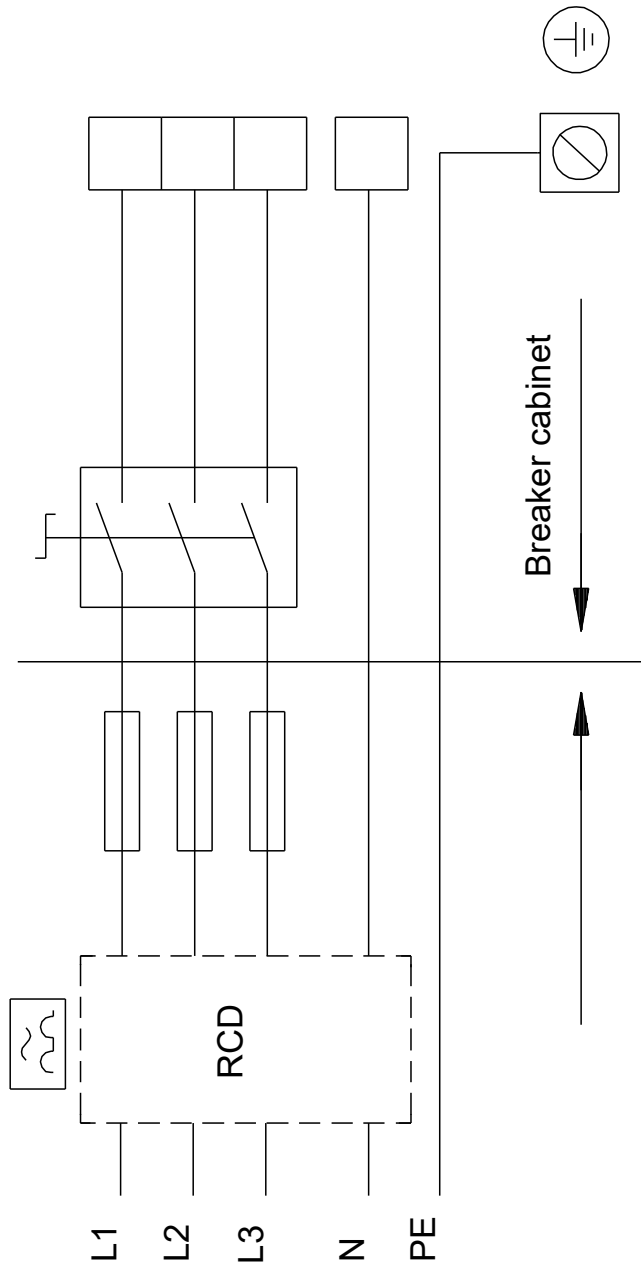


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Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

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