
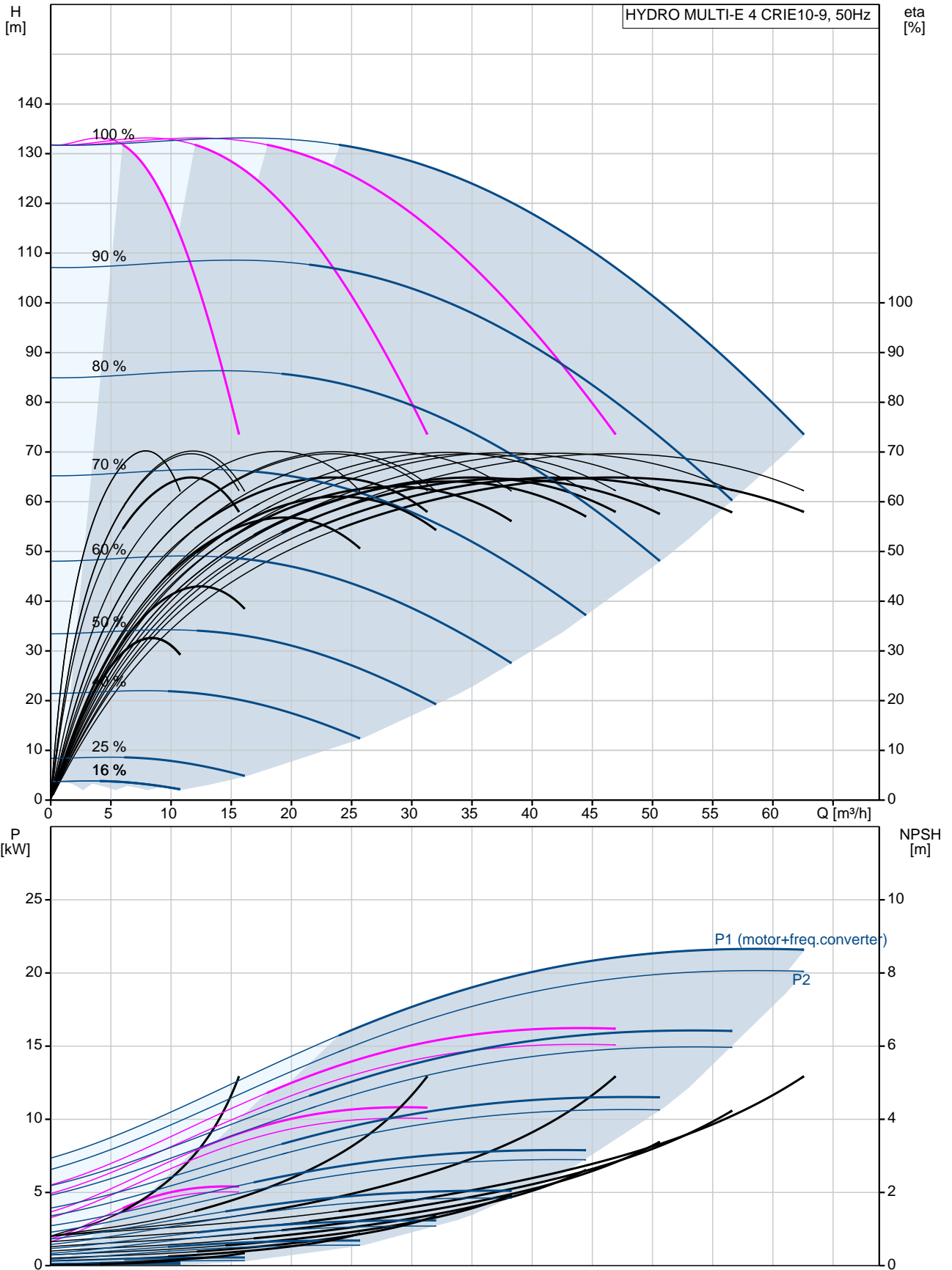


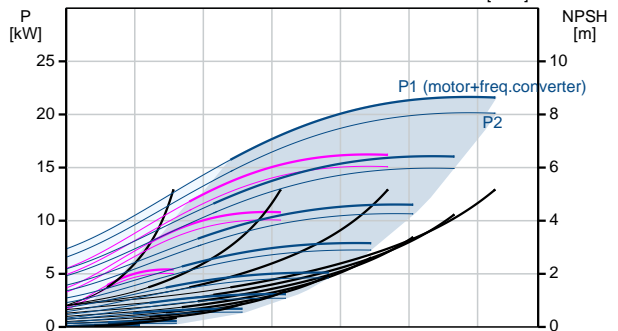
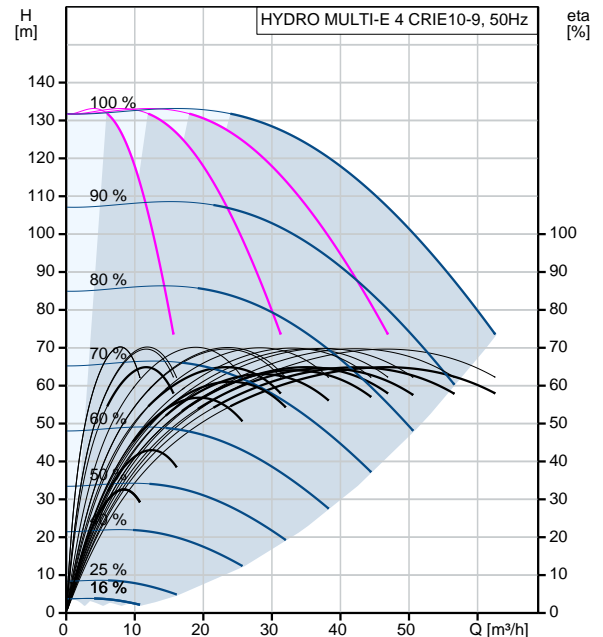
Position	Qty.	Description
	1	<p data-bbox="320 338 655 365"><b>HYDRO MULTI-E 4 CRIE10-9</b></p>  <p data-bbox="711 607 1193 629"><b>Note! Product picture may differ from actual product</b></p> <p data-bbox="320 636 587 663">Product No.: <a href="#">99133196</a></p> <p data-bbox="320 696 1449 748">GRUNDFOS 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.</p> <p data-bbox="320 754 1449 806">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.</p> <p data-bbox="320 840 1449 996">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).</p> <p data-bbox="320 1010 1086 1037">The Hydro Multi-E is fitted with an on/off-switch for the supply voltage.</p> <p data-bbox="320 1070 1398 1122">The Hydro Multi-E is designed for maintaining a constant pressure regardless of flow changes and fluctuation.</p> <p data-bbox="320 1155 1345 1207">The internal PI-controller regulates the number of running pumps and the speed of the pumps according to the required flow.</p> <p data-bbox="320 1240 1457 1292">The system can be operated directly on the panel of any of the pumps or via Grundfos GO (available as accessory)</p> <p data-bbox="320 1326 979 1599">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</p> <p data-bbox="320 1632 711 1659">Available communication protocols:</p> <ul data-bbox="320 1666 528 1928" style="list-style-type: none"> <li>•LON</li> <li>•Profibus</li> <li>•Modbus</li> <li>•SMS/GSM/GPRS</li> <li>•GRM</li> <li>•BACnet</li> <li>•BACnet IP</li> <li>•Modbus TCP</li> <li>•PROFINET</li> </ul> <p data-bbox="320 1962 1430 1989">When delivered, the GRUNDFOS Hydro Multi-E booster set is factory tested and ready for operation.</p> <p data-bbox="320 2051 405 2078"><b>Liquid:</b></p>

Position	Qty.	Description
		<p>Pumped liquid: Water            Liquid temperature range: 5 .. 60 °C            Liquid temperature during operation: 20 °C            Density: 998.2 kg/m<sup>3</sup></p> <p><b>Materials:</b>            Pump housing: Stainless steel</p> <p><b>Installation:</b>            Maximum operating pressure: 16 bar            Maximum inlet pressure: PN 16 bar            Flange standard: DIN2642            Manifold inlet: DN 80            Manifold outlet: DN 80</p> <p><b>Electrical data:</b>            IE Efficiency class: IE5            Power (P2) main pump: 5.5 kW            Mains frequency: 50 Hz            Rated voltage: 3 x 380-415 V            Rated current: 40 A            Start. method: electronically            Enclosure class (IEC 34-5): IP54</p> <p><b>Tank:</b>            Volume of pressure tank: 12 l            Diaphragm tank: Yes</p> <p><b>Others:</b>            Net weight: 430 kg            Gross weight: 546 kg            Shipping volume: 1.65 m<sup>3</sup>            Language: GB</p>

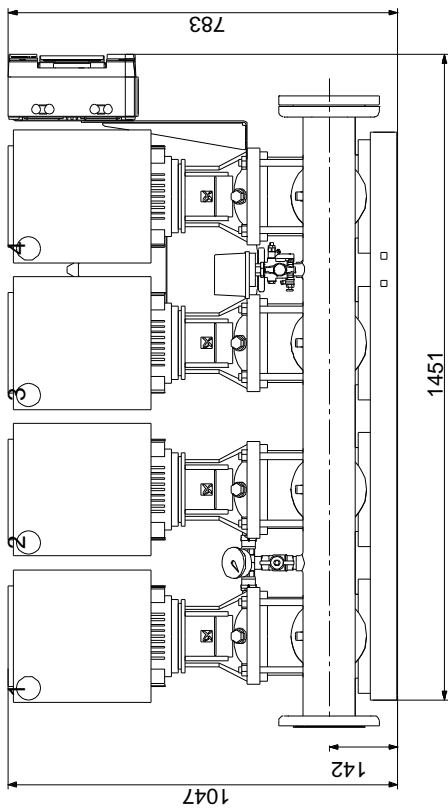
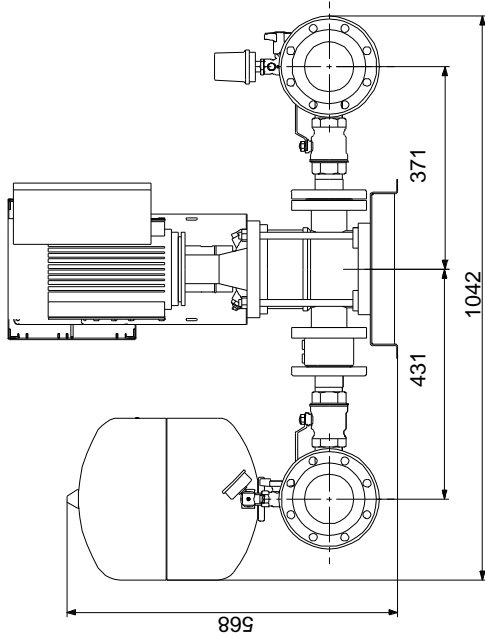
## 99133196 HYDRO MULTI-E 4 CRIE10-9 50 Hz



Description	Value
<b>General information:</b>	
Product name:	HYDRO MULTI-E 4 CRIE10-9
Product No:	99133196
EAN number:	5712607361266
<b>Technical:</b>	
Min flow system:	4.8 m <sup>3</sup> /h
Max flow:	72 m <sup>3</sup> /h
Head max:	133 m
Pump name:	CRIE10-9
Number of pumps:	4
<b>Materials:</b>	
Pump housing:	Stainless steel
Manifolds:	Stainless steel
<b>Installation:</b>	
Maximum operating pressure:	16 bar
Maximum inlet pressure:	PN 16 bar
Flange standard:	DIN2642
Manifold inlet:	DN 80
Manifold outlet:	DN 80
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	5 .. 60 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m <sup>3</sup>
<b>Electrical data:</b>	
IE Efficiency class:	IE5
Power (P2) main pump:	5.5 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415 V
Rated current:	40 A
Start. method:	electronically
Enclosure class (IEC 34-5):	IP54
<b>Tank:</b>	
Volume of pressure tank:	12 l
Diaphragm tank:	Yes
<b>Others:</b>	
Net weight:	430 kg
Gross weight:	546 kg
Shipping volume:	1.65 m <sup>3</sup>
Language:	GB
Product range:	International

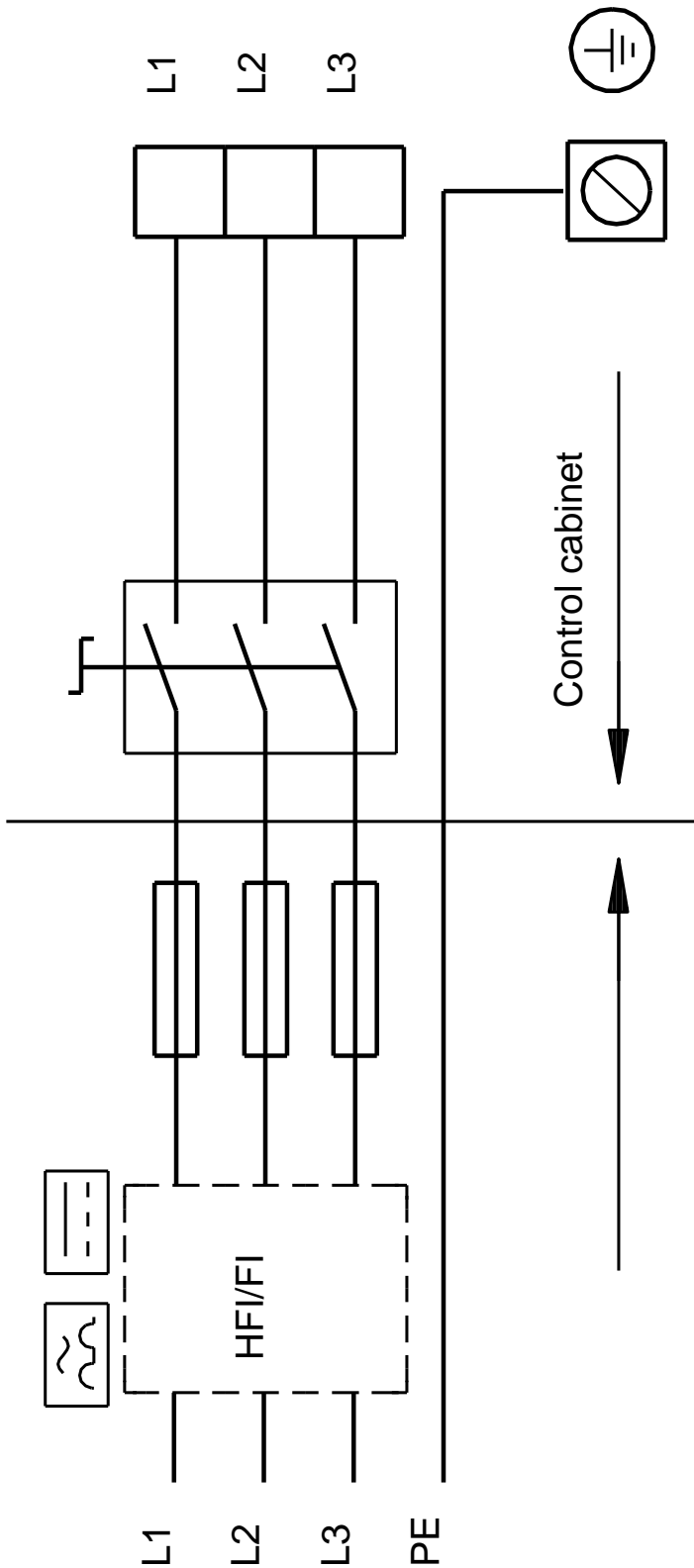


## 99133196 HYDRO MULTI-E 4 CRIE10-9 50 Hz



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

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