
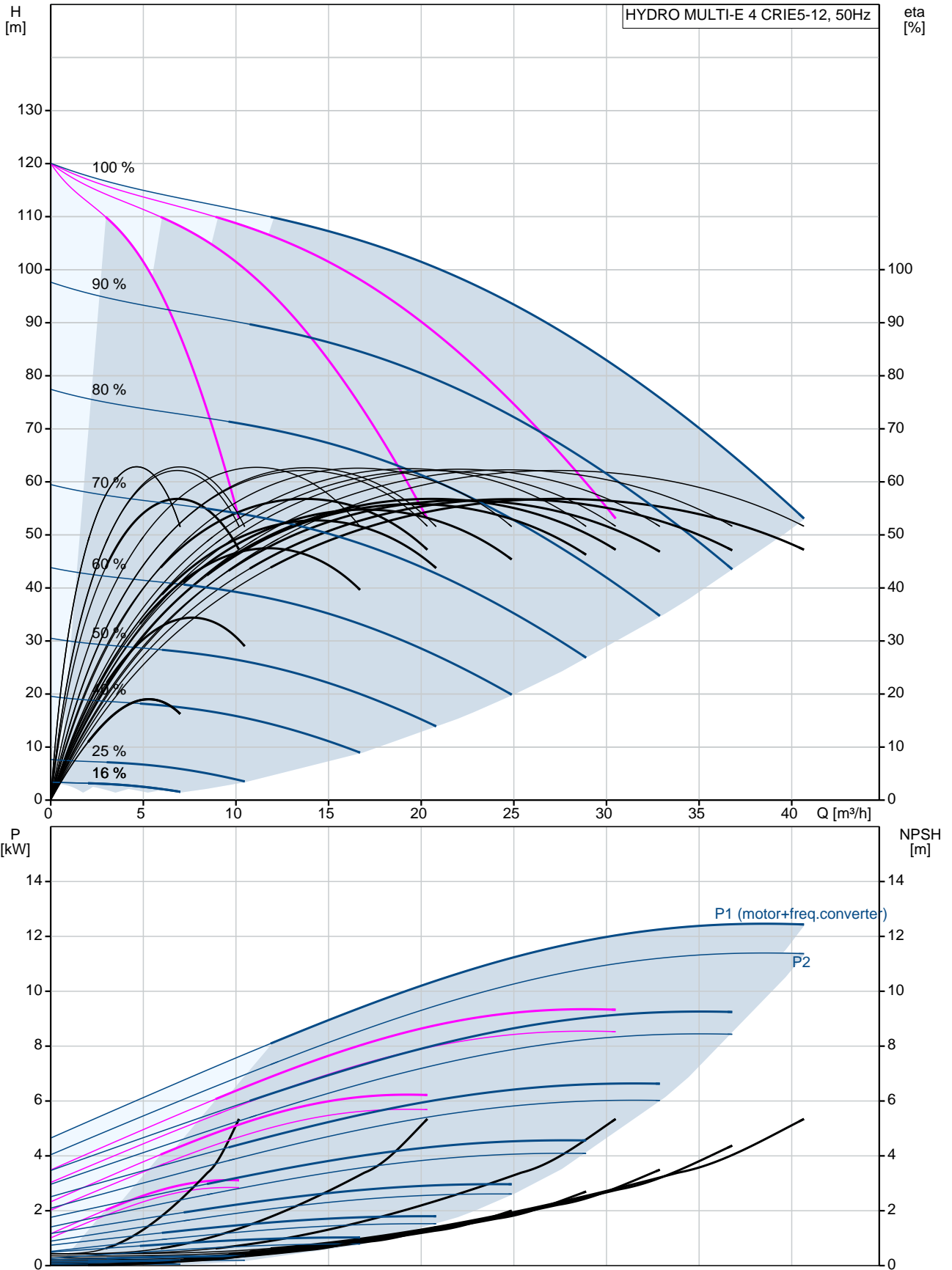


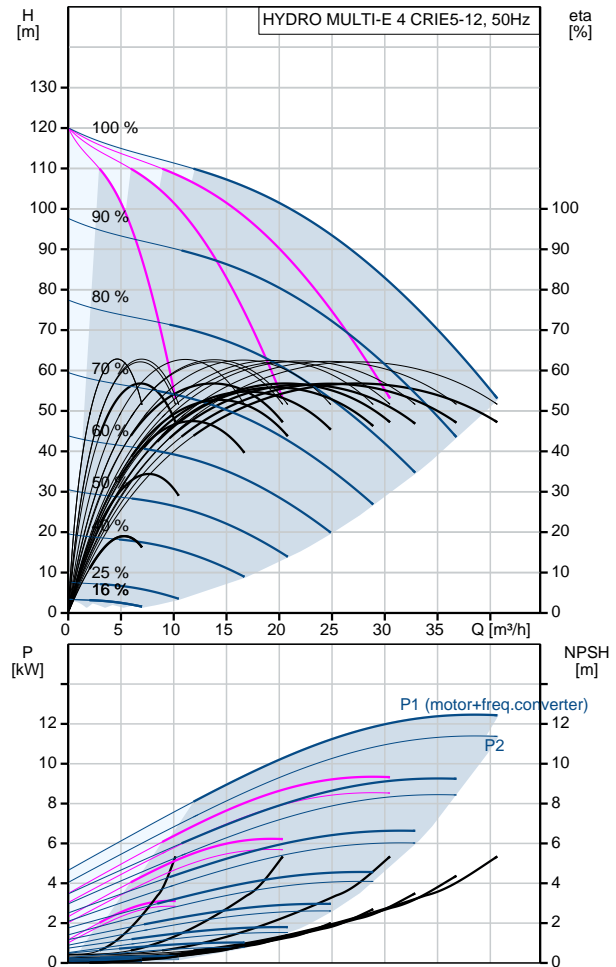
Position	Qty.	Description
	1	<p data-bbox="320 338 655 365">HYDRO MULTI-E 4 CRIE5-12</p> <div data-bbox="375 421 643 607" style="text-align: center;">  </div> <p data-bbox="711 611 1193 638" style="text-align: center;">Note! Product picture may differ from actual product</p> <p data-bbox="320 642 587 669">Product No.: 99133116</p> <p data-bbox="320 701 1449 754">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="320 759 1449 813">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="320 846 1449 1003">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 1016 1086 1043">The Hydro Multi-E is fitted with an on/off-switch for the supply voltage.</p> <p data-bbox="320 1077 1398 1131">The Hydro Multi-E is designed for maintaining a constant pressure regardless of flow changes and fluctuation.</p> <p data-bbox="320 1164 1345 1218">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 1252 1457 1305">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 1339 979 1608">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 1641 708 1939">Available communication protocols: •LON •Profibus •Modbus •SMS/GSM/GPRS •GRM •BACnet •BACnet IP •Modbus TCP •PROFINET</p> <p data-bbox="320 1973 1426 2000">When delivered, the GRUNDFOS Hydro Multi-E booster set is factory tested and ready for operation.</p> <p data-bbox="320 2056 405 2083">Liquid:</p>

Position	Qty.	Description
		Pumped liquid: Water Liquid temperature range: 5 .. 60 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m ³ Materials: Pump housing: Stainless steel Installation: Maximum operating pressure: 16 bar Maximum inlet pressure: PN 16 bar Flange standard: DIN ISO 7/1 Manifold inlet: R 2 1/2 Manifold outlet: R 2 1/2 Electrical data: IE Efficiency class: IE5 Power (P2) main pump: 3 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Rated current: 23 A Start. method: electronically Enclosure class (IEC 34-5): IP54 Tank: Volume of pressure tank: 12 l Diaphragm tank: Yes Others: Net weight: 230 kg Gross weight: 253 kg Shipping volume: 1.11 m ³ Language: GB

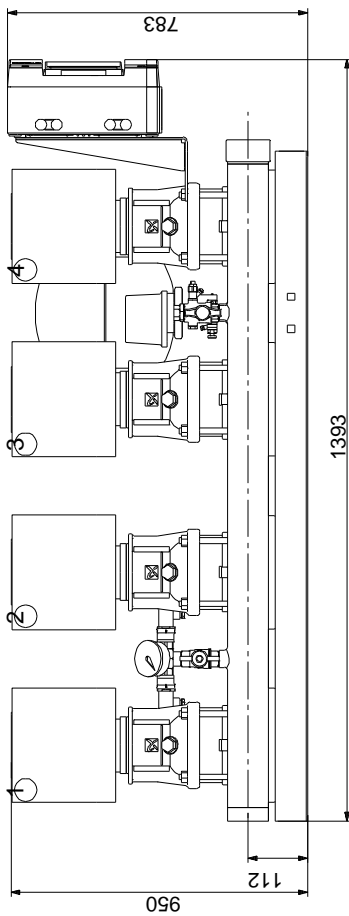
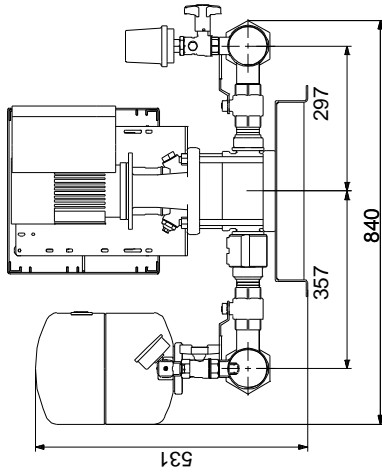
99133116 HYDRO MULTI-E 4 CRIE5-12 50 Hz



Description	Value
General information:	
Product name:	HYDRO MULTI-E 4 CRIE5-12
Product No:	99133116
EAN number:	5712607360290
Technical:	
Min flow system:	3 m ³ /h
Max flow:	41 m ³ /h
Head max:	120 m
Pump name:	CRIE5-12
Number of pumps:	4
Materials:	
Pump housing:	Stainless steel
Manifolds:	Stainless steel
Installation:	
Maximum operating pressure:	16 bar
Maximum inlet pressure:	PN 16 bar
Flange standard:	DIN ISO 7/1
Manifold inlet:	R 2 1/2
Manifold outlet:	R 2 1/2
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	5 .. 60 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
IE Efficiency class:	IE5
Power (P2) main pump:	3 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415 V
Rated current:	23 A
Start. method:	electronically
Enclosure class (IEC 34-5):	IP54
Tank:	
Volume of pressure tank:	12 l
Diaphragm tank:	Yes
Others:	
Net weight:	230 kg
Gross weight:	253 kg
Shipping volume:	1.11 m ³
Language:	GB
Product range:	International

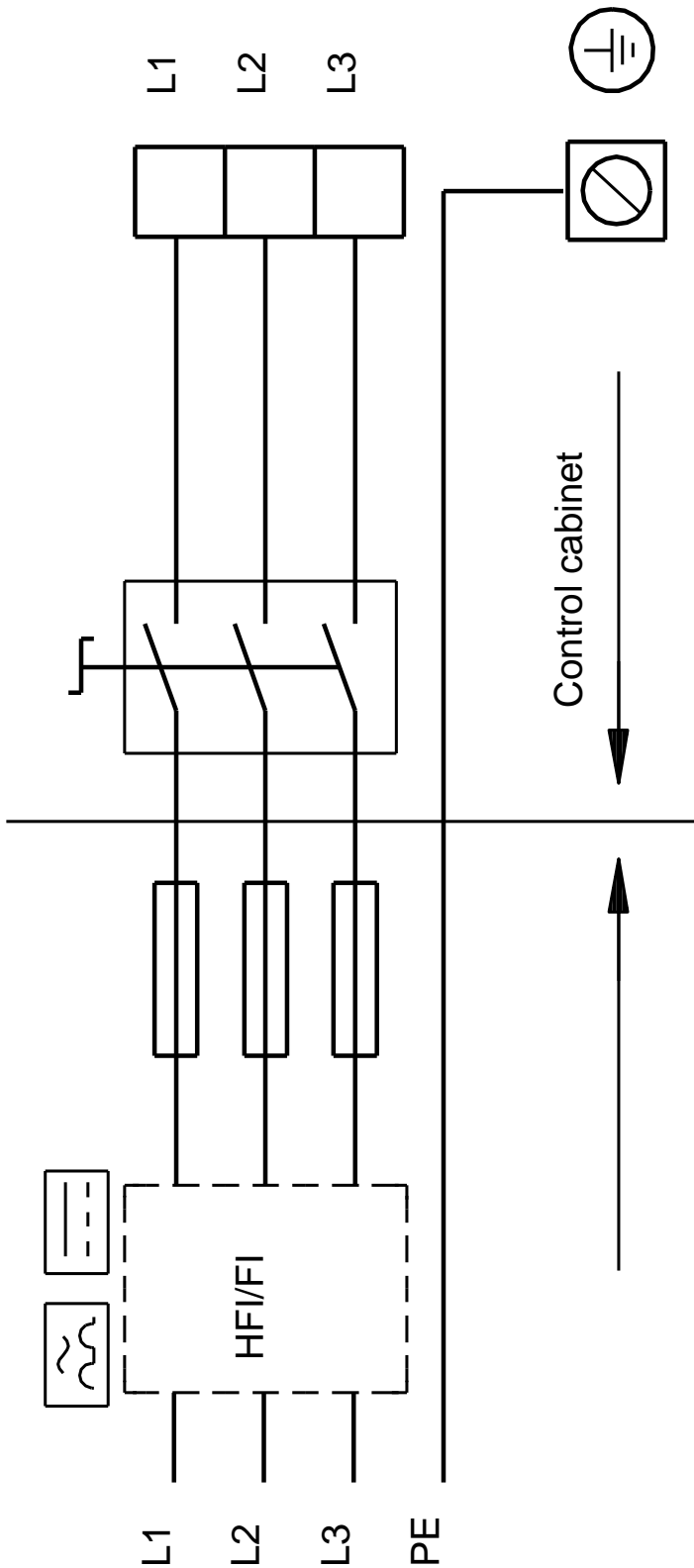


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Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

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