
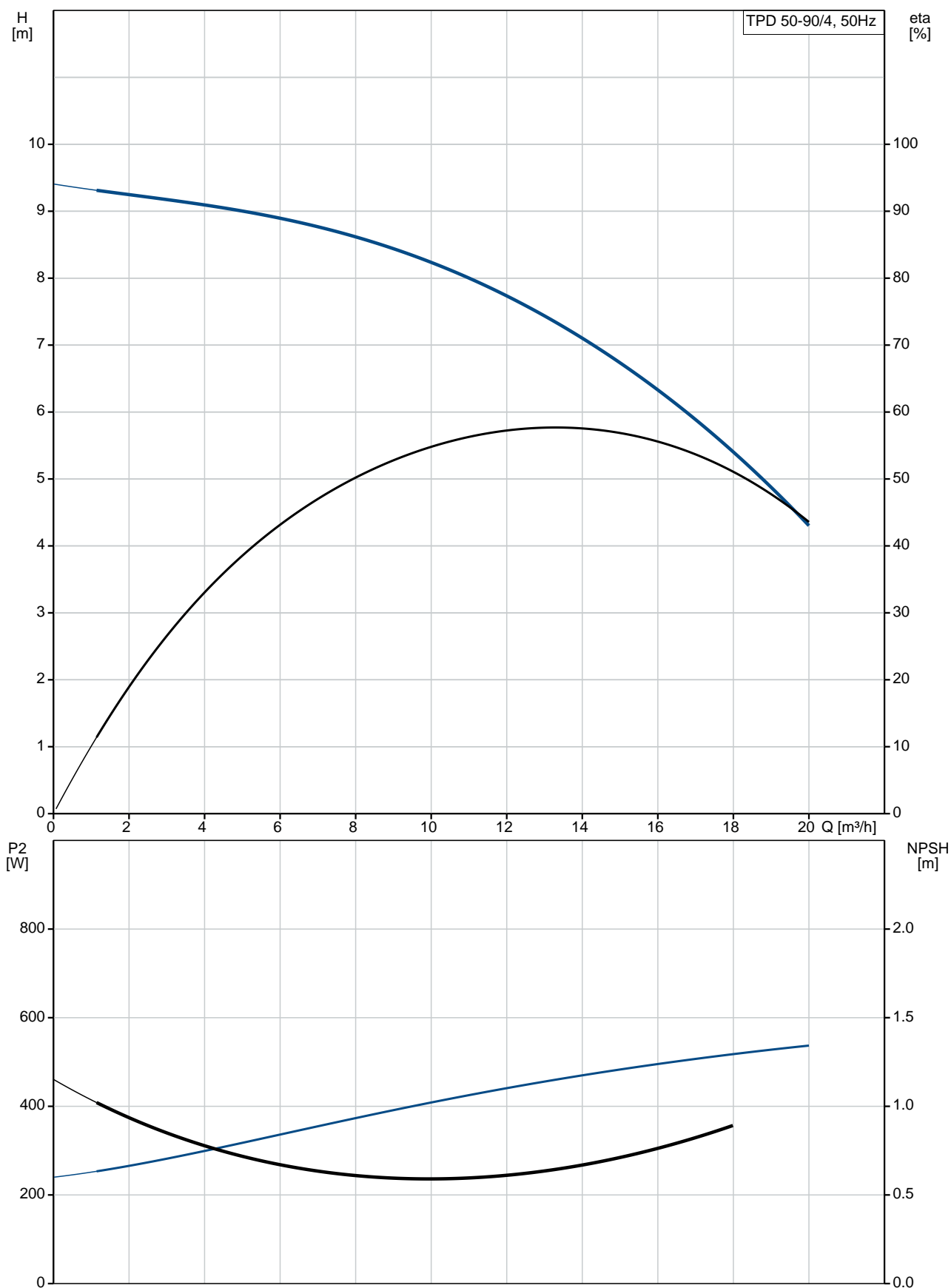


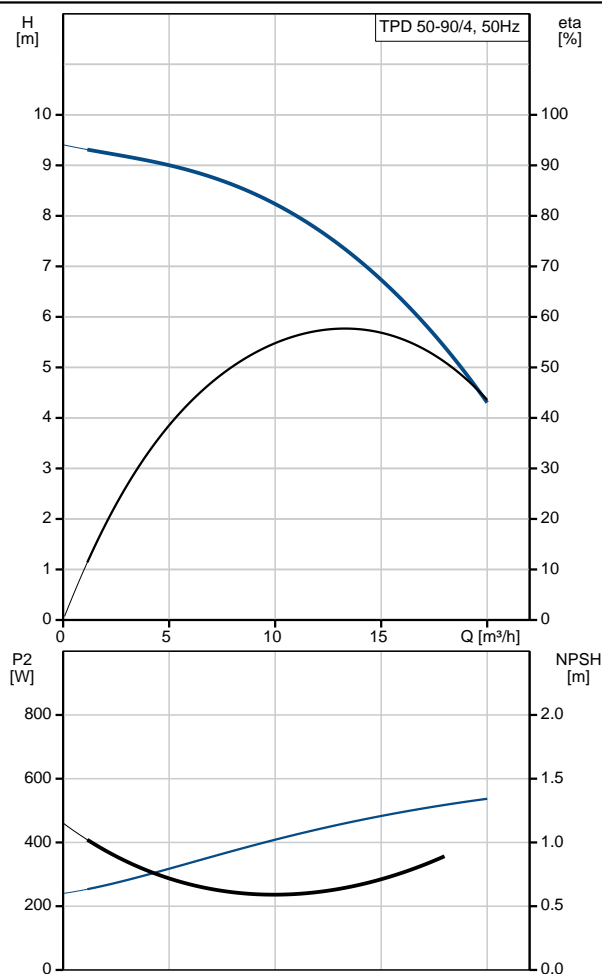
Position	Qty.	Description
	1	<p><b>TPD 50-90/4 A-F-A-BQQE</b></p>  <p>Product No.: On request</p> <p>Single-stage, close-coupled, volute twin-head pump with in-line suction and discharge ports of identical diameter. The twin-head pump is designed with two parallel power-heads. The pump is of the top-pull-out design, i.e. the power head (motor, pump head and impeller) can be removed for maintenance or service while the pump housing remains in the pipework.</p> <p>Each power head is fitted with an unbalanced rubber bellows seal. The shaft seal is according to EN 12756. Pipework connection is via PN 16 DIN flanges (EN 1092-2 and ISO 7005-2).</p> <p>Each power head is fitted with a fan-cooled asynchronous motor of identical size.</p> <p><b>Liquid:</b></p> <p>Pumped liquid: Water</p> <p>Liquid temperature range: -25 .. 120 °C</p> <p>Liquid temperature during operation: 20 °C</p> <p>Density: 998.2 kg/m³</p> <p><b>Technical:</b></p> <p>Rated flow: 14.3 m³/h</p> <p>Rated head: 6.3 m</p> <p>Actual impeller diameter: 169 mm</p> <p>Primary shaft seal: BQQE</p> <p>Curve tolerance: ISO9906:2012 3B</p> <p><b>Materials:</b></p> <p>Pump housing: Cast iron EN-JL1040 ASTM A48-40 B</p> <p>Impeller: Cast iron EN-JL1030 ASTM A48-30 B</p> <p><b>Installation:</b></p> <p>Range of ambient temperature: -30 .. 40 °C</p> <p>Maximum operating pressure: 16 bar</p> <p>Flange standard: DIN</p> <p>Pipe connection: DN 50</p> <p>Pump inlet: DN 50</p> <p>Pump outlet: DN 50</p> <p>Pressure rating: PN 16</p> <p>Port-to-port length: 340 mm</p> <p>Flange size for motor: FF165</p> <p><b>Electrical data:</b></p> <p>Motor type: 80B</p> <p>Rated power - P2: 2 x 0.55 kW</p> <p>Power (P2) required by pump: 0.55 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 1 x 220-230 V</p>

Position	Qty.	Description
		<p>Rated current: 4 A</p> <p>Starting current: 260 %</p> <p>Cos phi - power factor: 0.97</p> <p>Rated speed: 1350-1370 rpm</p> <p>Motor efficiency at full load: 66-64 %</p> <p>Number of poles: 4</p> <p>Enclosure class (IEC 34-5): 55 Dust/Jetting</p> <p>Insulation class (IEC 85): F</p> <p><b>Others:</b></p> <p>Minimum efficiency index, MEI : 0.50</p> <p>ErP status: EuP Standalone/Prod.</p> <p>Net weight: 92 kg</p> <p>Gross weight: 106 kg</p> <p>Shipping volume: 0.39 m³</p>

## On request TPD 50-90/4 A-F-A-BQQE 50 Hz



Description	Value
<b>General information:</b>	
Product name:	TPD 50-90/4 A-F-A-BQQE
Product No:	On request
EAN number:	On request
<b>Technical:</b>	
Rated flow:	14.3 m³/h
Rated head:	6.3 m
Head max:	90 dm
Actual impeller diameter:	169 mm
Primary shaft seal:	BQQE
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
<b>Materials:</b>	
Pump housing:	Cast iron
	EN-JL1040
	ASTM A48-40 B
Impeller:	Cast iron
	EN-JL1030
	ASTM A48-30 B
Material code:	A
<b>Installation:</b>	
Range of ambient temperature:	-30 .. 40 °C
Maximum operating pressure:	16 bar
Flange standard:	DIN
Pipe connection:	DN 50
Pump inlet:	DN 50
Pump outlet:	DN 50
Pressure rating:	PN 16
Port-to-port length:	340 mm
Flange size for motor:	FF165
Connect code:	F
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	-25 .. 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m³
<b>Electrical data:</b>	
Motor type:	80B
Rated power - P2:	2 x 0.55 kW
Power (P2) required by pump:	0.55 kW
Mains frequency:	50 Hz
Rated voltage:	1 x 220-230 V
Rated current:	4 A
Starting current:	260 %
Cos phi - power factor:	0.97
Rated speed:	1350-1370 rpm
Motor efficiency at full load:	66-64 %
Number of poles:	4
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTO
Motor No:	87100341
<b>Others:</b>	
Minimum efficiency index, MEI :	0.50
ErP status:	EuP Standalone/Prod.
Net weight:	92 kg
Gross weight:	106 kg





Company name:

Created by:

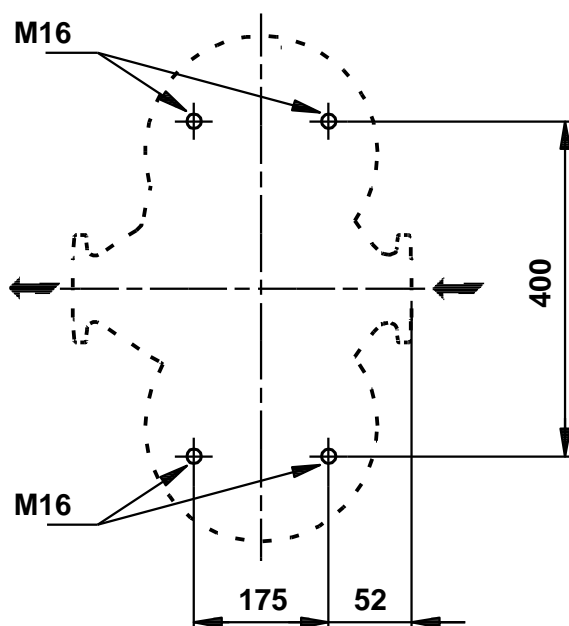
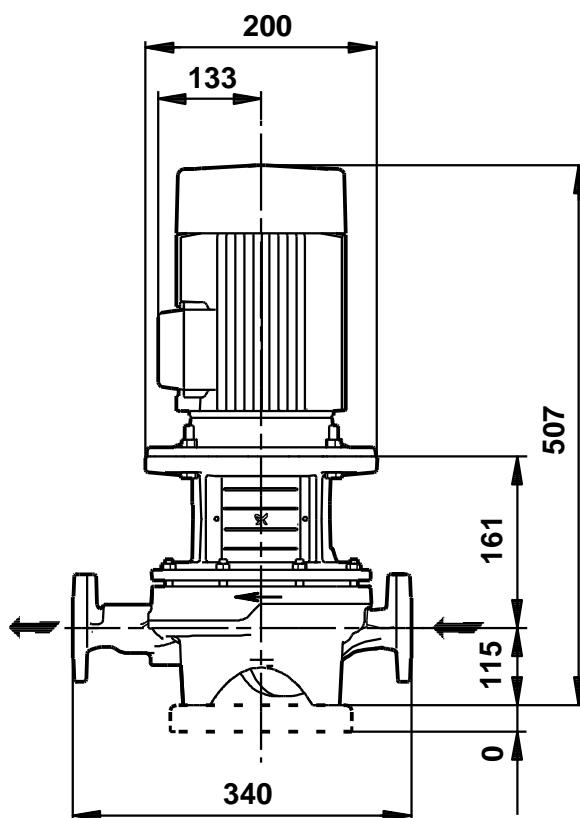
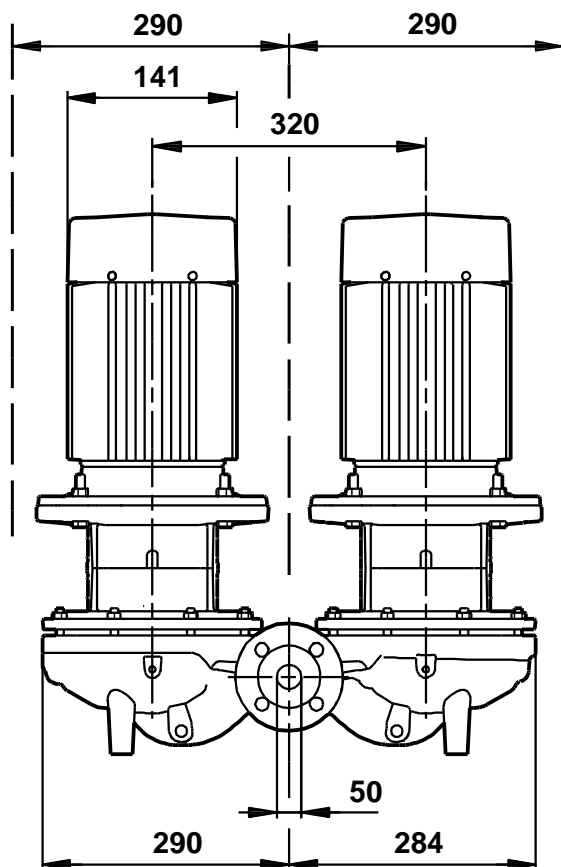
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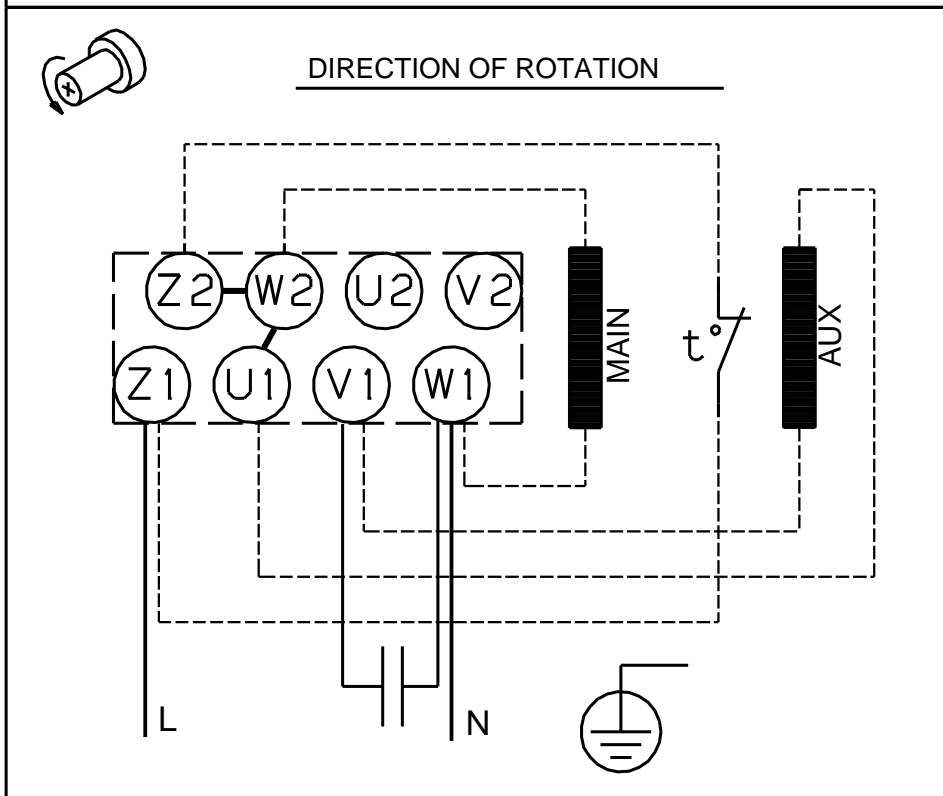
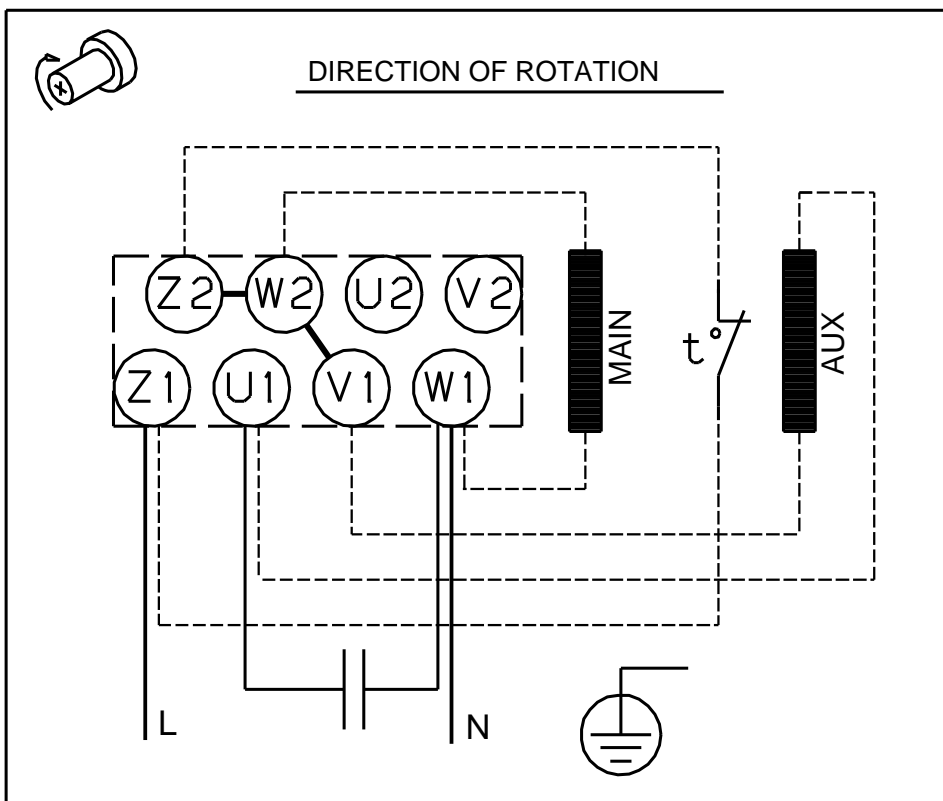
Description	Value
Shipping volume:	0.39 m <sup>3</sup>

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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.