

TPD 40-30/4-A-F-A-BUBE 400Y 50HZ

Grundfos pump 96401889



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<https://www.lenntech.com/grundfos/TPD00/96401889/TPD-40-30-4-A-F-A-BUBE.html>

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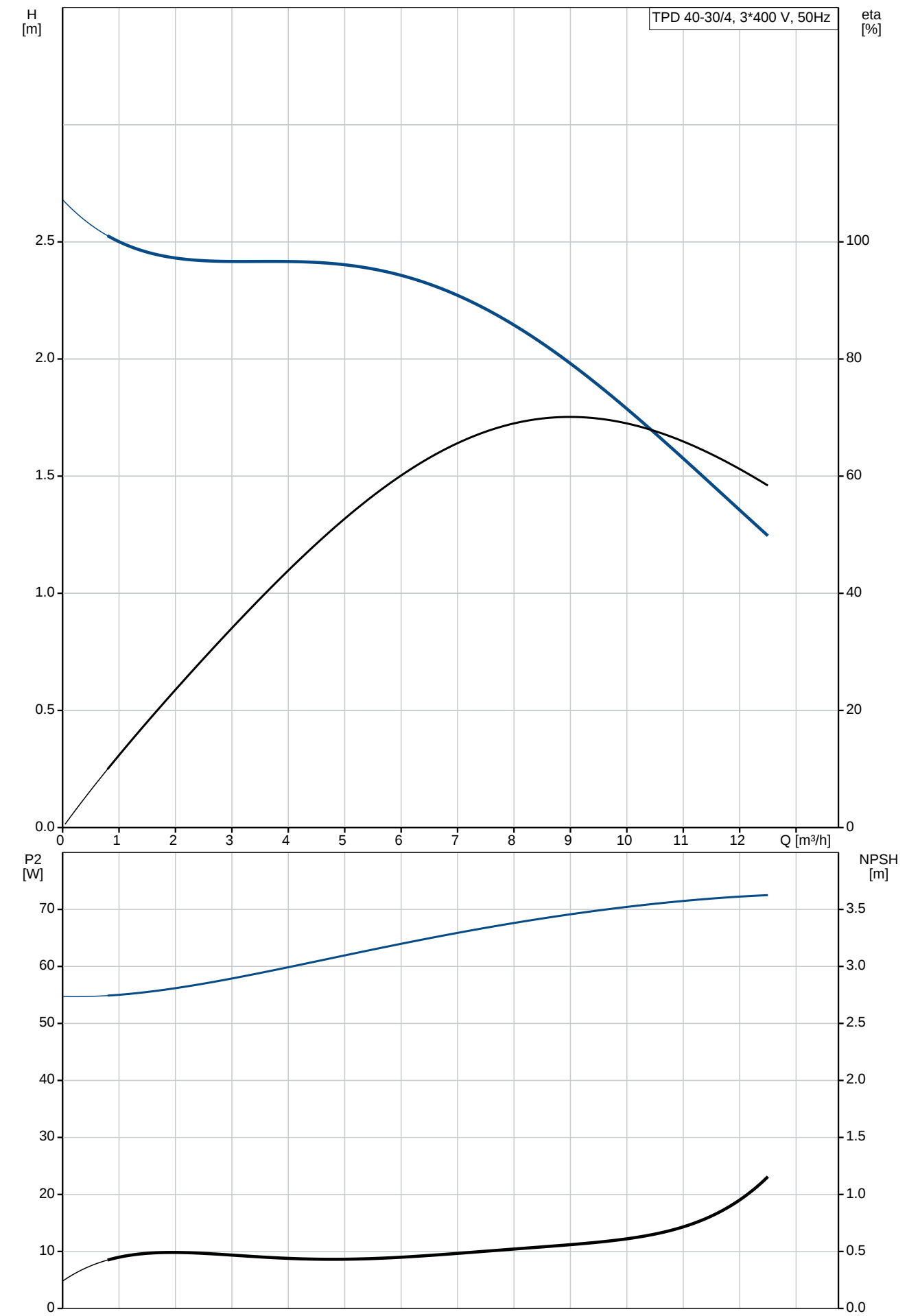
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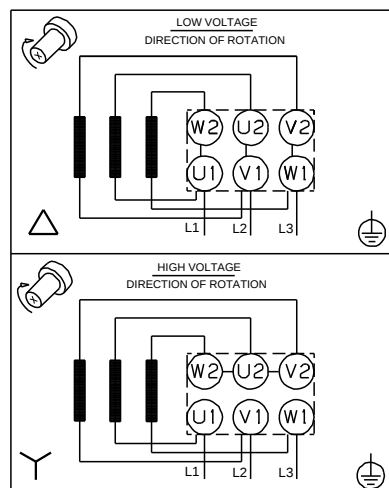
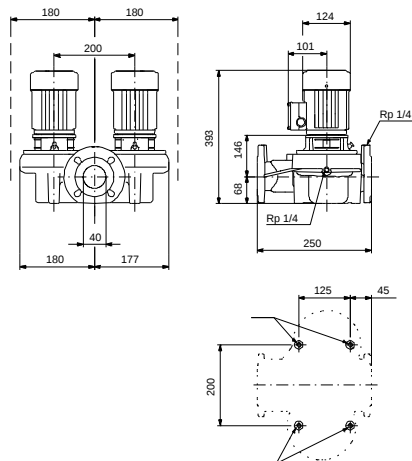
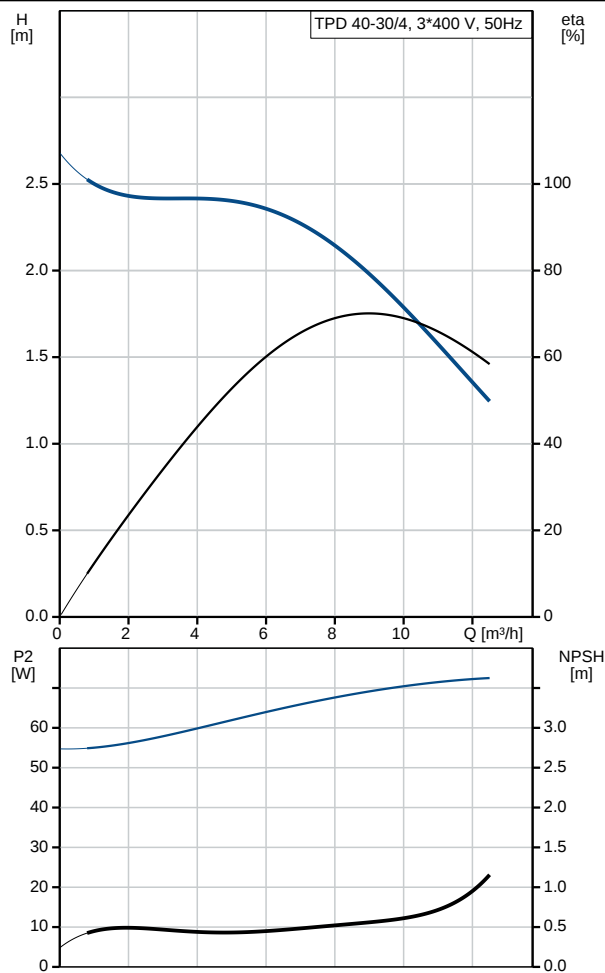
Position	Qty.	Description
	1	TPD 40-30/4 A-F-A-BUBE  Note! Product picture may differ from actual product Product No.: On request Single-stage, close-coupled, volute twin-head pump with in-line suction and discharge ports of identical diameter. The twin-head pump is designed with two parallel power-heads. 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. Each power head is fitted with an unbalanced rubber bellows seal. The shaft seal is according to EN 12756. Pipework connection is via PN 6/10 DIN flanges (EN 1092-2 and ISO 7005-2). Each power head is fitted with a fan-cooled asynchronous motor of identical size. Further product details The product's minimum efficiency index (MEI) is greater or equal to 0.70. This is by the Commission Regulation (EU) considered as an indicative benchmark for best-performing water pump available on the market as from 1 January 2013. Pump Pump housing and pump head are electrocoated to improve the corrosion resistance. Electrocoating includes: 1) Alkaline-based cleaning. 2) Pretreatment with zinc phosphate coating. 3) Cathodic electrocoating (epoxy). 4) Curing of paint film at 200-250 °C. The pump is fitted with an unbalanced rubber bellows seal with torque transmission across the spring and around the bellows. Due to the bellows, the seal does not wear the shaft, and the axial movement is not prevented by deposits on the shaft. Primary seal: • Rotating seal ring material: tungsten carbide (WC) • Stationary seat material: carbon graphite, resin-impregnated This is a widely used material pairing. If the pumped liquid contains particles, wear on the seal faces must be expected. Due to the favourable lubricating properties of carbon graphite, the seal is suitable for use even under poor lubricating conditions, such as hot water. However, under such conditions, wear on the carbon graphite face reduces seal life. Secondary seal material: EPDM (ethylene-propylene rubber) EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils. A circulation of liquid through the duct of the air vent screw ensures lubrication and cooling of the shaft seal. Motor The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. Electrical tolerances comply with IEC 60034. The motor does not incorporate motor protection and must be connected to a motor-protective circuit breaker which can be manually reset. The motor-protective circuit breaker must be set according to the rated current of the motor (I_{1/1}). Technical data

Position	Qty.	Description
		Liquid: Pumped liquid: Water Liquid temperature range: 0 .. 140 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ Technical: Rated flow: 7.99 m³/h Rated head: 2.15 m Actual impeller diameter: 87 mm Primary shaft seal: BUBE Curve tolerance: ISO9906:2012 3B Materials: Impeller: AISI 304 Installation: Range of ambient temperature: -30 .. 40 °C Maximum operating pressure: 10 bar Flange standard: DIN Pipe connection: DN 40 Pump inlet: DN 40 Pump outlet: DN 40 Pressure rating: PN 6/10 (@): 250 mm Flange size for motor: FT75 Electrical data: Motor type: SIEMENS Rated power - P2: 2 x 0.12 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-415Y V Rated current: 0.73/0.42 A Starting current: 280-280 % Cos phi - power factor: 0.73-0.73 Rated speed: 1400-1450 rpm Number of poles: 4 Enclosure class (IEC 34-5): 55 (Protect. water jets/dust) Insulation class (IEC 85): F Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 34.5 kg Gross weight: 37.6 kg Shipping volume: 0.08 m³

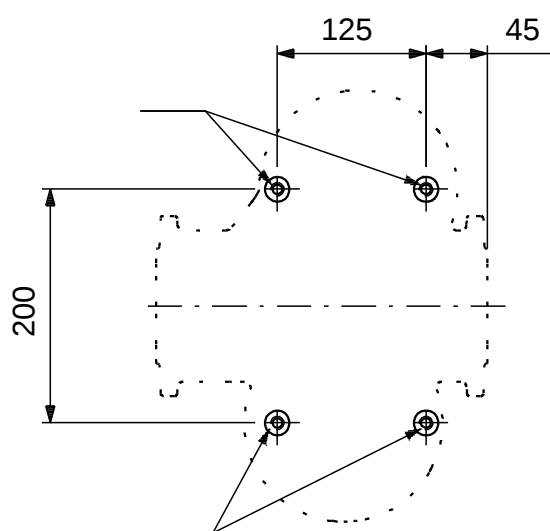
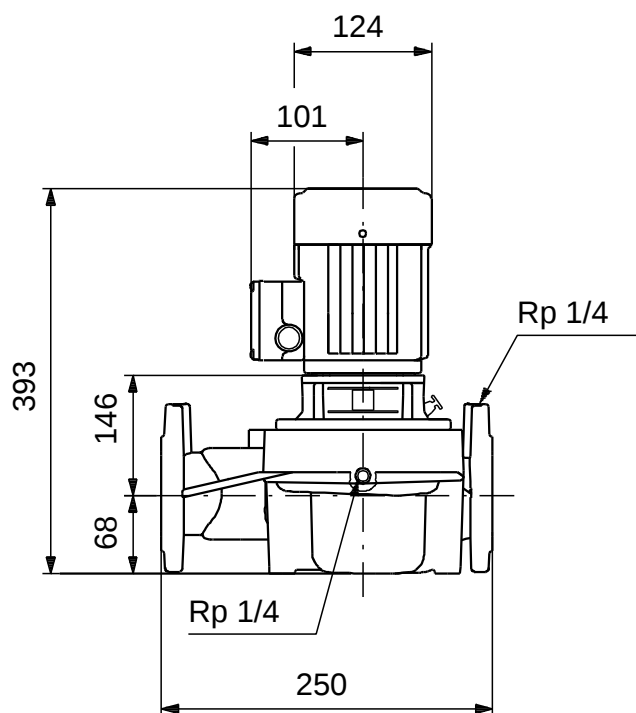
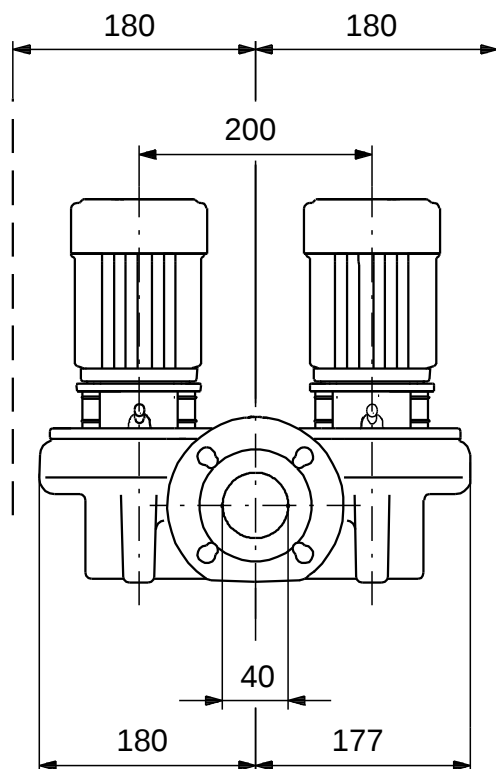
On request TPD 40-30/4 A-F-A-BUBE 50 Hz



Description	Value
General information:	
Product name:	TPD 40-30/4 A-F-A-BUBE
Product No:	On request
EAN number:	On request
Technical:	
Rated flow:	7.99 m ³ /h
Rated head:	2.15 m
Head max:	30 dm
Actual impeller diameter:	87 mm
Primary shaft seal:	BUBE
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
Materials:	
Impeller:	AISI 304
Material code:	A
Installation:	
Range of ambient temperature:	-30 .. 40 °C
Maximum operating pressure:	10 bar
Flange standard:	DIN
Pipe connection:	DN 40
Pump inlet:	DN 40
Pump outlet:	DN 40
Pressure rating:	PN 6/10
(@)	250 mm
Flange size for motor:	FT75
Connect code:	F
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	0 .. 140 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
Motor type:	SIEMENS
Rated power - P2:	2 x 0.12 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240D/380-415Y V
Rated current:	0.73/0.42 A
Starting current:	280-280 %
Cos phi - power factor:	0.73-0.73
Rated speed:	1400-1450 rpm
Number of poles:	4
Enclosure class (IEC 34-5):	55 (Protect. water jets/dust)
Insulation class (IEC 85):	F
Motor protec:	NONE
Motor No:	81702312
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	34.5 kg
Gross weight:	37.6 kg
Shipping volume:	0.08 m ³
Sales region:	GB



On request TPD 40-30/4 A-F-A-BUBE 50 Hz



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

Exploded view



Sectional drawing (TM058200 for TPE2,TPE3)



TM058200

Exploded view (TM057026 for MGE model H/I)



Parts list TPD 40-30/4, Product No. On request
Valid from 20.6.2010 (1024)

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
	Motor				2	pcs
-	Coupling cpl.				2	pcs
9	Hex socket head cap screw		Designation: DIN 912		4	
			Length (mm): 20			
			Thread: M6			
10	Shaft pin		Diameter: 5		1	
			Length (mm): 21,5			
10a	Coupling half				2	
-	Motor stool cpl.				2	pcs
2	Motor stool				1	
28	Hex head screw		Length (mm): 25		4	
			Thread: M8			
28	Hex head screw		Length (mm): 16 MM		4	
			Thread: M5			
-	Pump housing cpl.				1	pcs
6	Pump housing cpl.				1	
65	Teflon ring				1	
215	Guide pin				1	
217	Valve flap				1	
-	Coupling guard cpl.				2	pcs
7	Coupling guard				2	
7a	Pan head screw				4	
66	Lock washer				4	
-	Shaft w/impeller cpl.				2	pcs
48	Split cone nut				1	
49	Impeller cpl.				1	
49b	Split cone				1	
51	Shaft cpl.				1	
17	Air vent screw				2	pcs
19	Plug				6	pcs
72a	O-ring				2	pcs
105	Shaft seal		Material type: EPDM		2	pcs

Disclaimer: The information about the Grundfos pump in this document may be outdated.

Data may be subject to alterations without further notice.

Please contact us to verify the data above is still accurate/up-to-date.

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