

TP 25-80/2-A-O-A-BQQE 1X230 50HZ

Grundfos pump 98346596



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https://www.lenntech.com/grundfos/TP000/98346596/TP-25-80-2-A-O-A-BQQE.html

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Position | Qty. | Description

1

TP 25-80/2 A-O-A-BQQE



Product No.: On request

Single-stage, close-coupled, volute pump with in-line suction and discharge ports of identical diameter. 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.

The pump is fitted with an unbalanced rubber bellows seal. The shaft seal is according to EN 12756. Pipework connection is via PN 10 union connections (ISO 228-1).

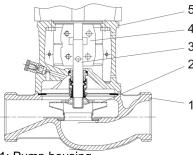
The pump is fitted with a fan-cooled asynchronous motor.

Further product details 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.



- 1: Pump housing
- 2: Impeller
- 3: Shaft
- 4: Coupling
- 5: Pump head

The pump housing is provided with a replaceable stainles steel/PTFE neck ring to reduce the amount of liquid running from the discharge side of the impeller to the suction side. The impeller is secured with a split cone pressed onto the shaft.

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: silicon carbide (SiC)
- Stationary seat material: silicon carbide (SiC)

This material pairing is used where higher corrosion resistance is required. The high hardness of this material pairing offers good resistance against abrasive particles.

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.

The motor stool forms connection between the pump housing and the motor, and is equipped with a manual air vent screw for venting of the pump housing and the shaft seal chamber. The sealing between motor stool and pump housing is an O-ring or a flat gasket.

Position | Qty. | Description

The central part of the motor stool is provided with guards for protection against the shaft and coupling. Motor and pump shaft are connected via a shell coupling.

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 is flange-mounted with tapped-hole flange (FT).

Motor-mounting designation in accordance with IEC 60034-7: IM B 14, IM V 18 (Code I) / IM 3601, IM 3611 (Code II).

The motor has built-in thermal protection (PTO current and temperature sensors) in accordance with IEC 60034-11 and requires no further motor protection. The protection reacts to both slow- and quick-rising temperatures, e.g. constant overload and stalled conditions.

As the thermal protection incorporates automatic reset, the motor must be connected in a way which ensures that the automatic reset cannot cause accidents.

Technical data

Liquid:

Pumped liquid: Water
Liquid temperature range: -25 .. 120 °C
Liquid temperature during operation: 20 °C
Density: 998.2 kg/m³

Technical:

Rated flow: 6.32 m³/h
Rated head: 4.04 m
Actual impeller diameter: 80 mm
Primary shaft seal: BQQE

Curve tolerance: ISO9906:2012 3B

Materials:

Pump housing: Cast iron

EN-JL1020 ASTM A48-25B

Impeller: Composite PES/PP 30% GF

Installation:

Range of ambient temperature: -30 .. 40 °C
Maximum operating pressure: 10 bar
Flange standard: UNION
Pipe connection: G 1 1/2
Pressure rating: PN 10
(@): 180 mm
Flange size for motor: FT75

Electrical data:

Motor type: 71A
Rated power - P2: 0.18 kW
Power (P2) required by pump: 0.18 kW
Mains frequency: 50 Hz

Rated voltage: 1 x 220-240 V
Rated current: 1.52-1.65 A
Starting current: 520-525 %
Cos phi - power factor: 0.85

Rated speed: 2875-2895 rpm Motor efficiency at full load: 62.8-59 %

Number of poles: 2

Enclosure class (IEC 34-5): 55 Dust/Jetting

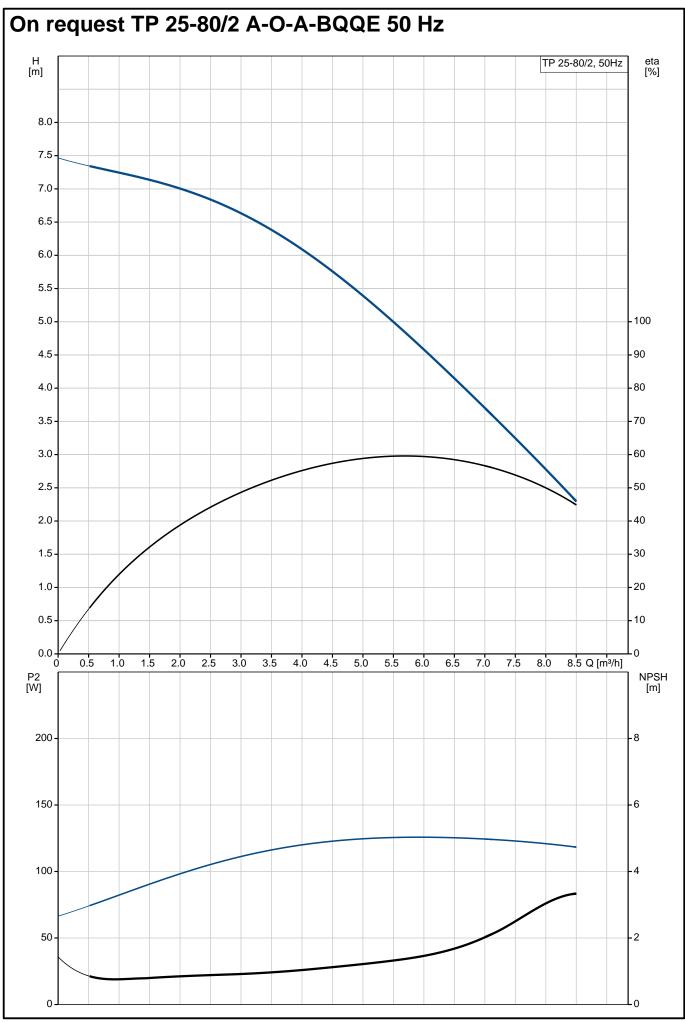
Insulation class (IEC 85): F

Others:

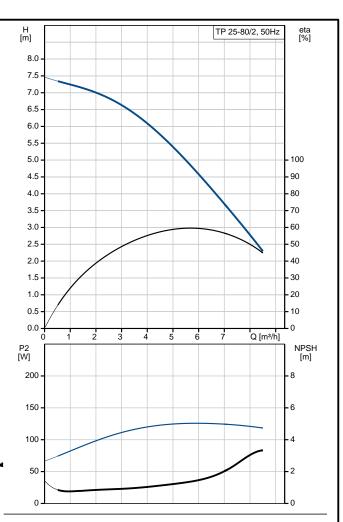
Minimum efficiency index, MEI: 0.55

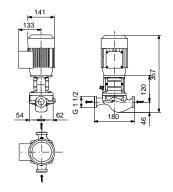
ErP status: EuP Standalone/Prod.

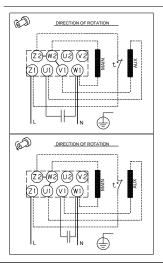
Position	Qty.	Description	
		Net weight: Gross weight: Shipping volume: Danish VVS No.:	9.4 kg 11.4 kg 0.02 m³
		Gross weight:	11.4 kg
		Danish VVS No.:	381800080



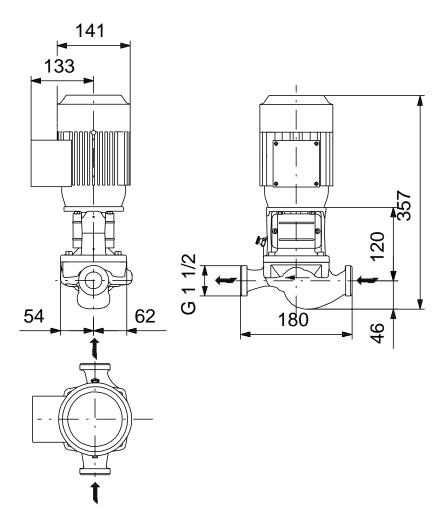
Description					
Product name:	Description	Value			
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Motor type: 71A Rated power - P2: 0.18 kW Power (P2) required by pump: 0.18 kW Mains frequency: 50 Hz Rated voltage: 1 x 220-240 V Rated current: 1.52-1.65 A Starting current: 520-525 % Cos phi - power factor: 0.85 Rated speed: 2875-2895 rpm Motor efficiency at full load: 62.8-59 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor Protec: PTO Motor No: 98714252 Others: Minimum efficiency index, MEI: 0.55 ErP status: EuP Standalone/Prod. Net weight: 9.4 kg Gross weight: 11.4 kg Shipping volume: 0.02 m³		330.2 kg/m			
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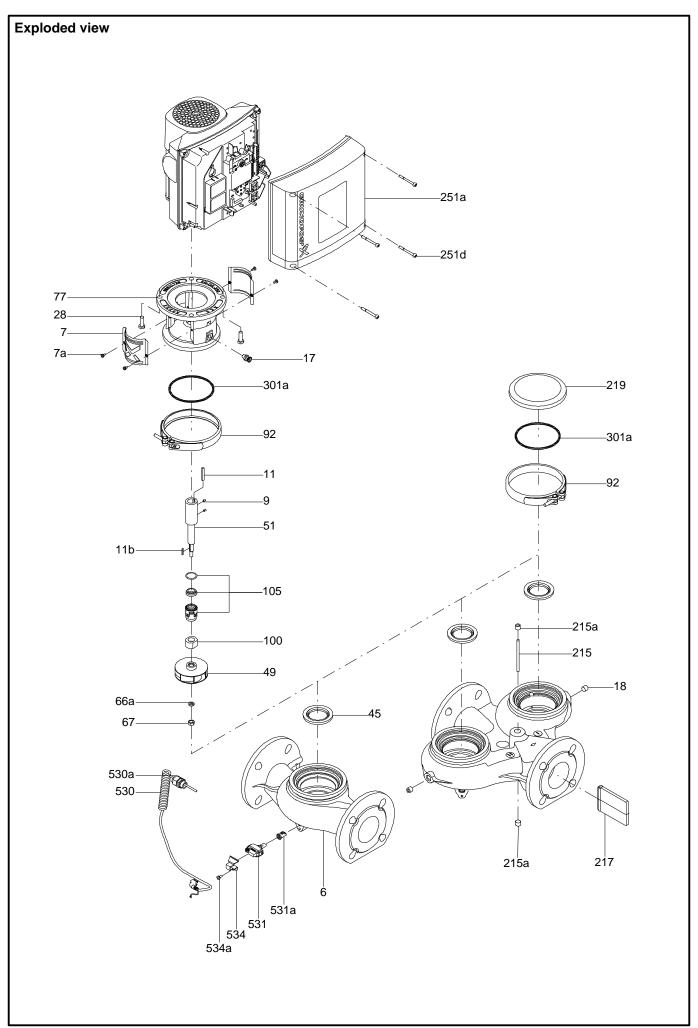


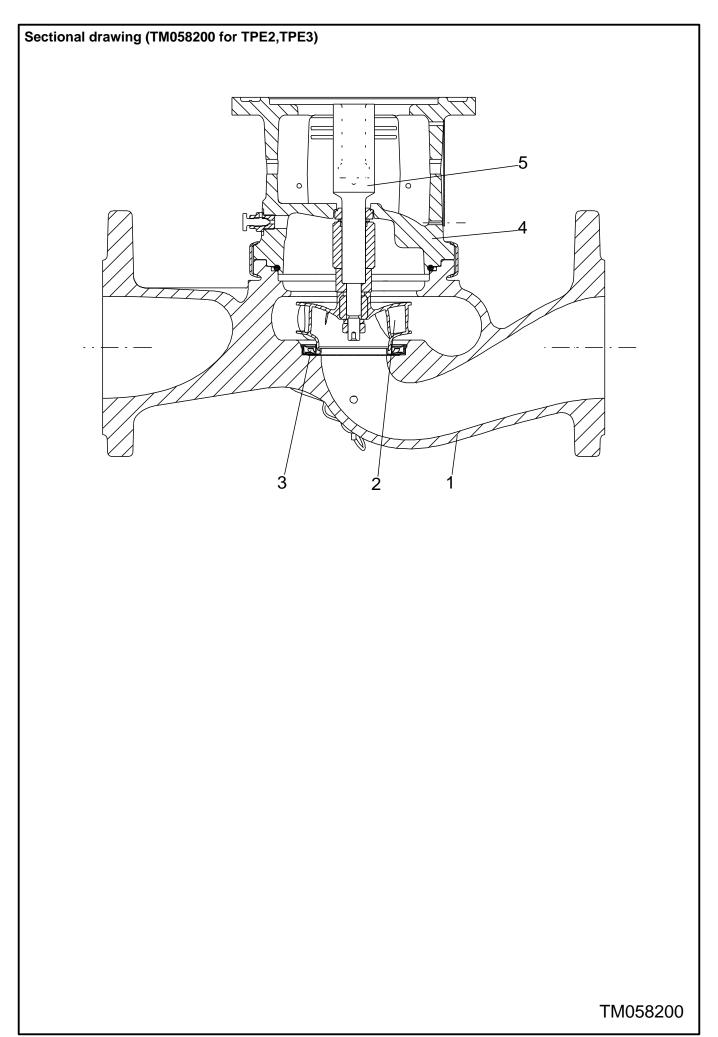


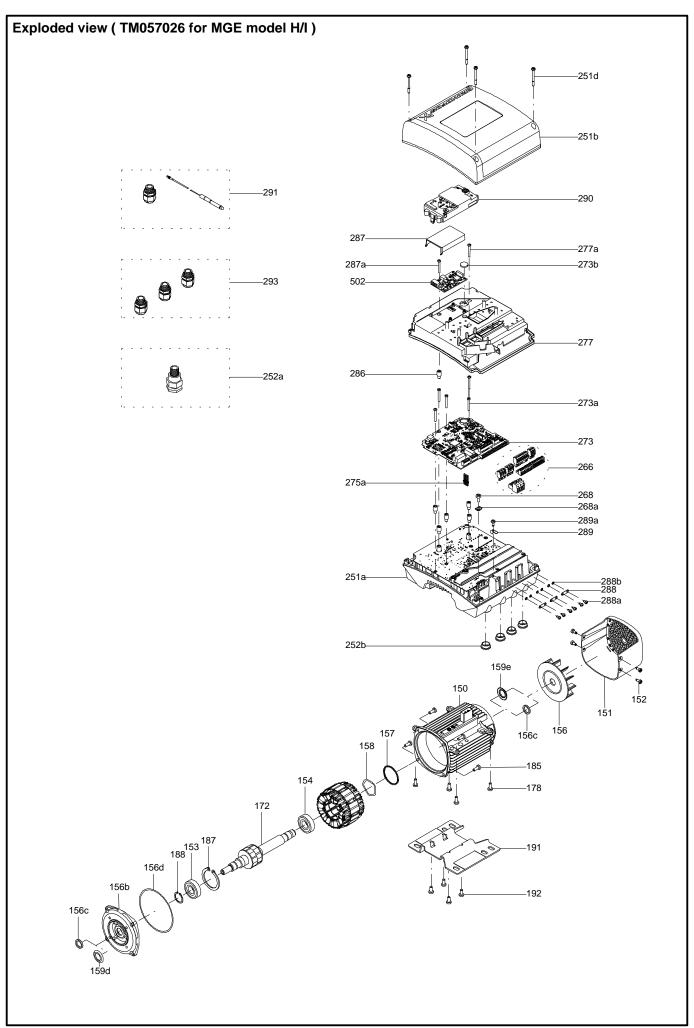
On request TP 25-80/2 A-O-A-BQQE 50 Hz



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







Parts list TP 25-80/2, Product No. On request Valid from 20.6.2010 (1024)

Pos	Description	Annotation	Données de classification	Référence	Qua	antité	Unité
	Motor				1		pcs
	Coupling cpl.				1		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.				1		pcs
2	Motor stool					1	
26	Hex socket head cap screw		Designation: DIN 912			4	
			Length (mm): 20				
			Thread: M6				
28	Hex head screw		Length (mm): 16 MM			4	
			Thread: M5				
	Pump housing cpl.				1		pcs
6	Pump housing cpl.					1	
	Pump housing					1	
6	Pump housing						
45	Seal ring						
	Coupling guard cpl.				1		pcs
7	Coupling guard					2	
7a	Pan head screw					4	
66	Lock washer					4	
	Shaft seal cpl.				1		pcs
105	Shaft seal					1	
	Shaft w/impeller cpl.				1		pcs
	Shaft w/impeller cpl.					1	•
49	Impeller cpl.					1	
49b	Split cone					1	
51	Pump shaft					1	
66a	Washer		Designation: DIN 125 A2	<u> </u>		1	
			Internal diameter: 13				
			Outer diameter: 24				
			Thickness: 2,5				
17	Air vent screw		,-		1		pcs
	Gasket		Internal diameter: 97 MM		1		pcs
			Outer diameter: 77.5				,
			Thickness: 2 MM				

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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