

DPK.10.80.22.5.0D Grundfos pump 96884112



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<https://www.lenntech.com/grundfos/DPK000/96884112/DPK-10-80-22-5-0D.html>

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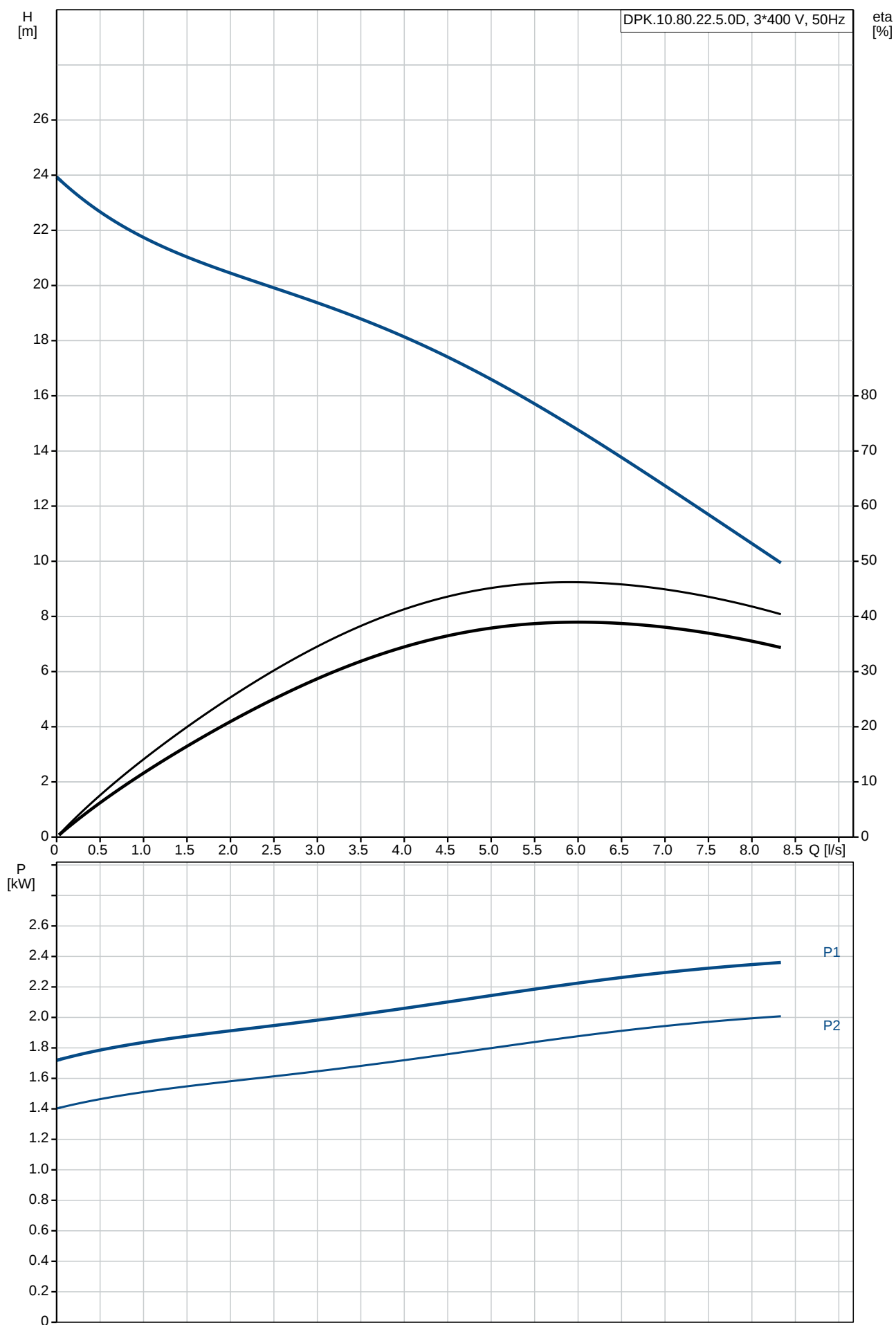
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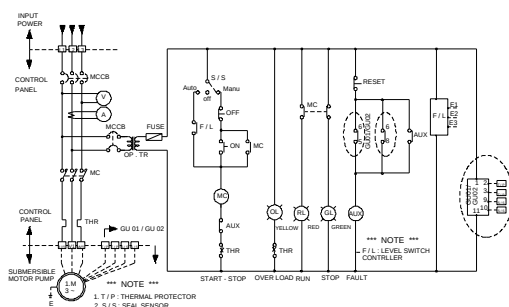
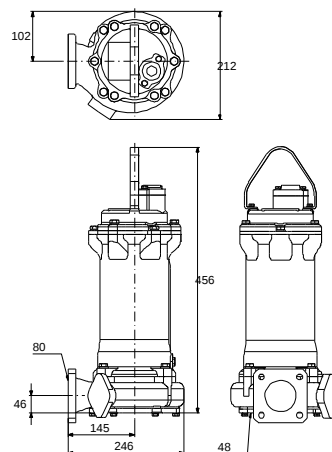
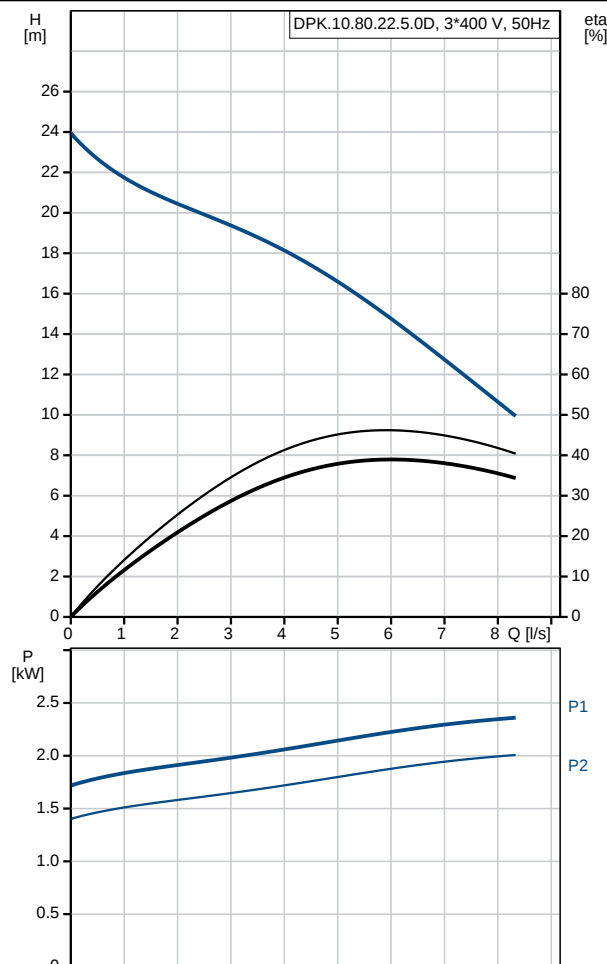
Position	Qty.	Description
	1	DPK.10.80.22.5.0D  Product No.: On request Submersible Drainage Pump Grundfos DPK pump is a submersible pump for drainage applications. The pump has semi-open impeller for 10mm free passage and is suitable for pumping ·large quantities of underground and surface water ·drainage water at high head The compact design makes the pump suitable for both temporary and permanent installation. The pump is cast iron, with side discharge port and integrated submersible 3-phase totally enclosed motor in insulation class F (155°C). The pump has a side discharge and a double mechanical seal. The pump is ready for installation either free-standing or on an auto-coupling system. The pump is equipped with temperature bi-metal sensor for motor protection in case of overheating. The pump is fitted with 10 m cable. Controls: Seal sensor: N Liquid: Liquid temperature range: 0 .. 40 °C Density: 998.2 kg/m³ Technical: Actual impeller diameter: 140 mm Type of impeller: O Maximum particle size: 10 mm Primary shaft seal: SIC-SIC Secondary shaft seal: CERAMIC-CARBON Max. hydraulic efficiency: 46 % Curve tolerance: NONE Materials: Pump housing: Cast iron EN1561 EN-GJL-200 Impeller: Ductile cast iron EN1563 EN-GJS-450-10 Motor: Cast iron EN1561 EN-GJL-200 Installation: Maximum ambient temperature: 40 °C Pump outlet: DN 80 Maximum installation depth: 25 m Electrical data: Rated power - P2: 2.2 kW

Position	Qty.	Description
		Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Voltage tolerance: +5/-5 % Max starts per. hour: 30 Rated current: 4.4 A Rated current at 3/4 load: 3.7 A Rated current at 1/2 load: 3 A Maximum current consumption: 5.1 A Cos phi - power factor: 0.89 Cos phi - p.f. at 3/4 load: 0.82 Cos phi - p.f. at 1/2 load: 0.71 Rated speed: 2850 rpm Motor efficiency at full load: 86.1 % Motor efficiency at 3/4 load: 83.1 % Motor efficiency at 1/2 load: 79.8 % Number of poles: 2 Start. method: direct-on-line Enclosure class (IEC 34-5): IP68 Insulation class (IEC 85): F Explosion proof: no Length of cable: 10 m Cable type: TP90/TP90 Others: Net weight: 40 kg

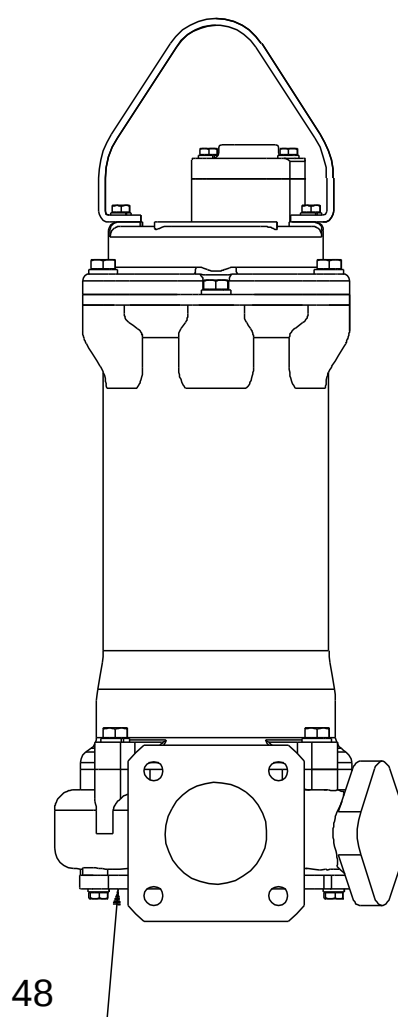
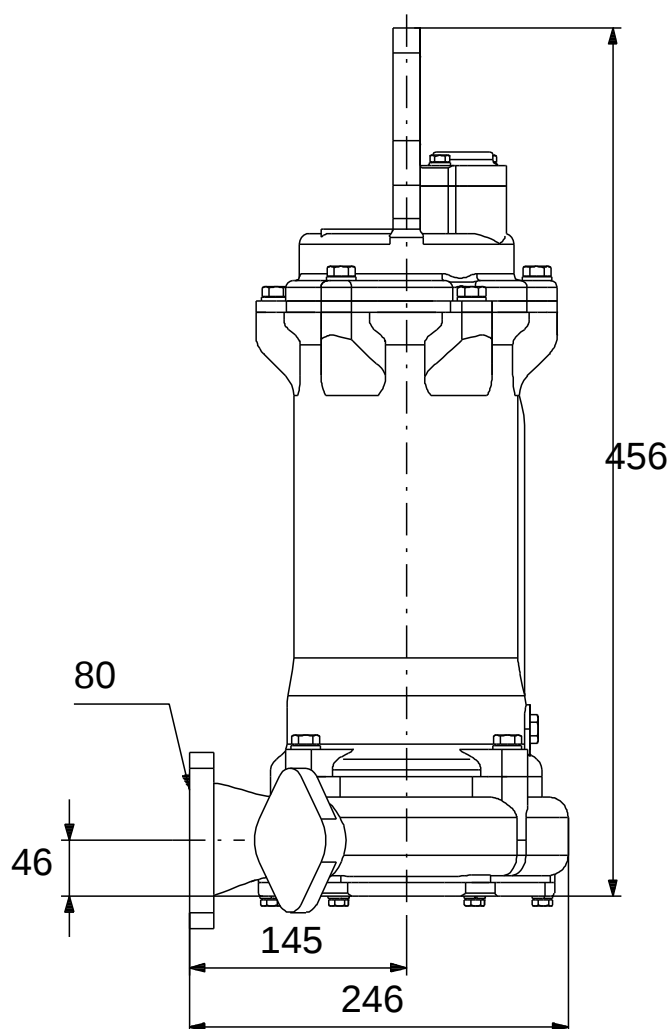
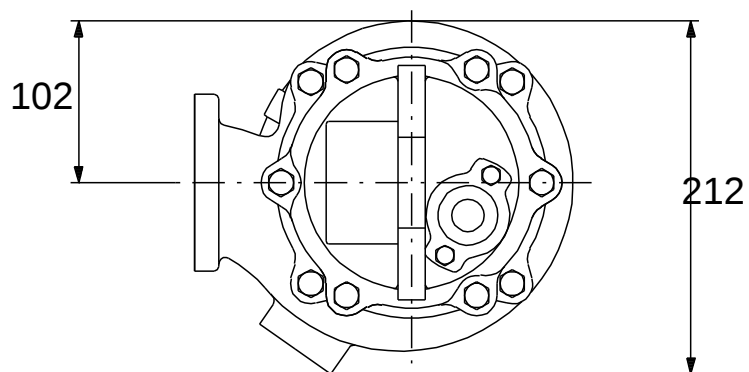
On request DPK.10.80.22.5.0D 50 Hz



Description	Value
General information:	
Product name:	DPK.10.80.22.5.0D
Product No:	On request
EAN number:	On request
Technical:	
Max flow:	8.33 l/s
Head min:	9.9 m
Head max:	23.9 m
Actual impeller diameter:	140 mm
Type of impeller:	O
Maximum particle size:	10 mm
Primary shaft seal:	SIC-SIC
Secondary shaft seal:	CERAMIC-CARBON
Max. hydraulic efficiency:	46 %
Curve tolerance:	NONE
Materials:	
Pump housing:	Cast iron EN1561 EN-GJL-200
Impeller:	Ductile cast iron EN1563 EN-GJS-450-10
Motor:	Cast iron EN1561 EN-GJL-200
Installation:	
Maximum ambient temperature:	40 °C
Pump outlet:	DN 80
Maximum installation depth:	25 m
Liquid:	
Liquid temperature range:	0 .. 40 °C
Density:	998.2 kg/m ³
Min. pH-value:	4
Electrical data:	
Rated power - P2:	2.2 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415 V
Voltage tolerance:	+5/-5 %
Max starts per. hour:	30
Rated current:	4.4 A
Rated current at 3/4 load:	3.7 A
Rated current at 1/2 load:	3 A
Maximum current consumption:	5.1 A
Cos phi - power factor:	0.89
Cos phi - p.f. at 3/4 load:	0.82
Cos phi - p.f. at 1/2 load:	0.71
Rated speed:	2850 rpm
Motor efficiency at full load:	86.1 %
Motor efficiency at 3/4 load:	83.1 %
Motor efficiency at 1/2 load:	79.8 %
Number of poles:	2
Start. method:	direct-on-line
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	F
Explosion proof:	no
Length of cable:	10 m
Cable type:	TP90/TP90
Cable size:	4X1.5MM2+2X1MM2
Controls:	
Seal sensor:	N
Sensor type:	N
Others:	
Net weight:	40 kg

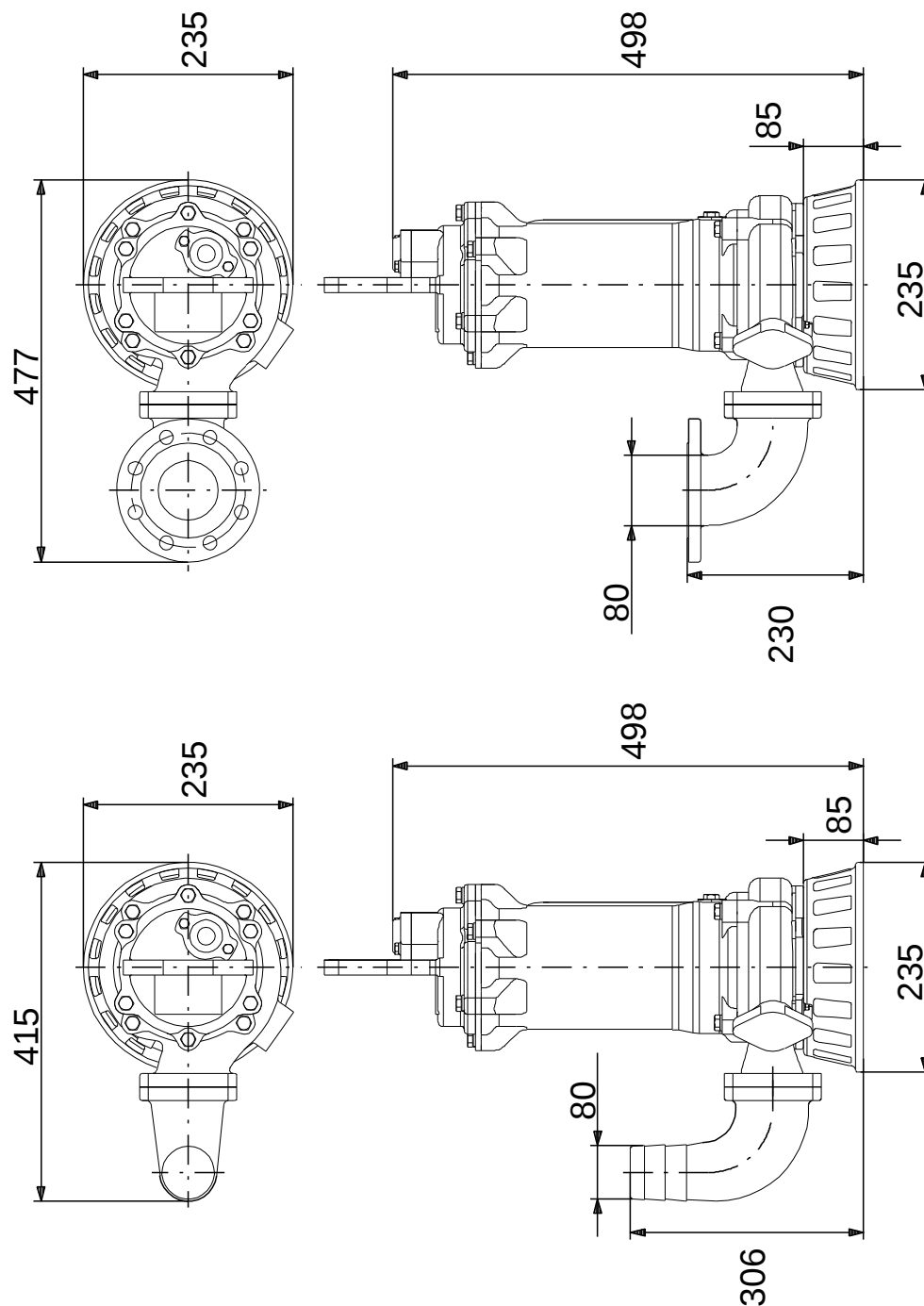


On request DPK.10.80.22.5.0D 50 Hz



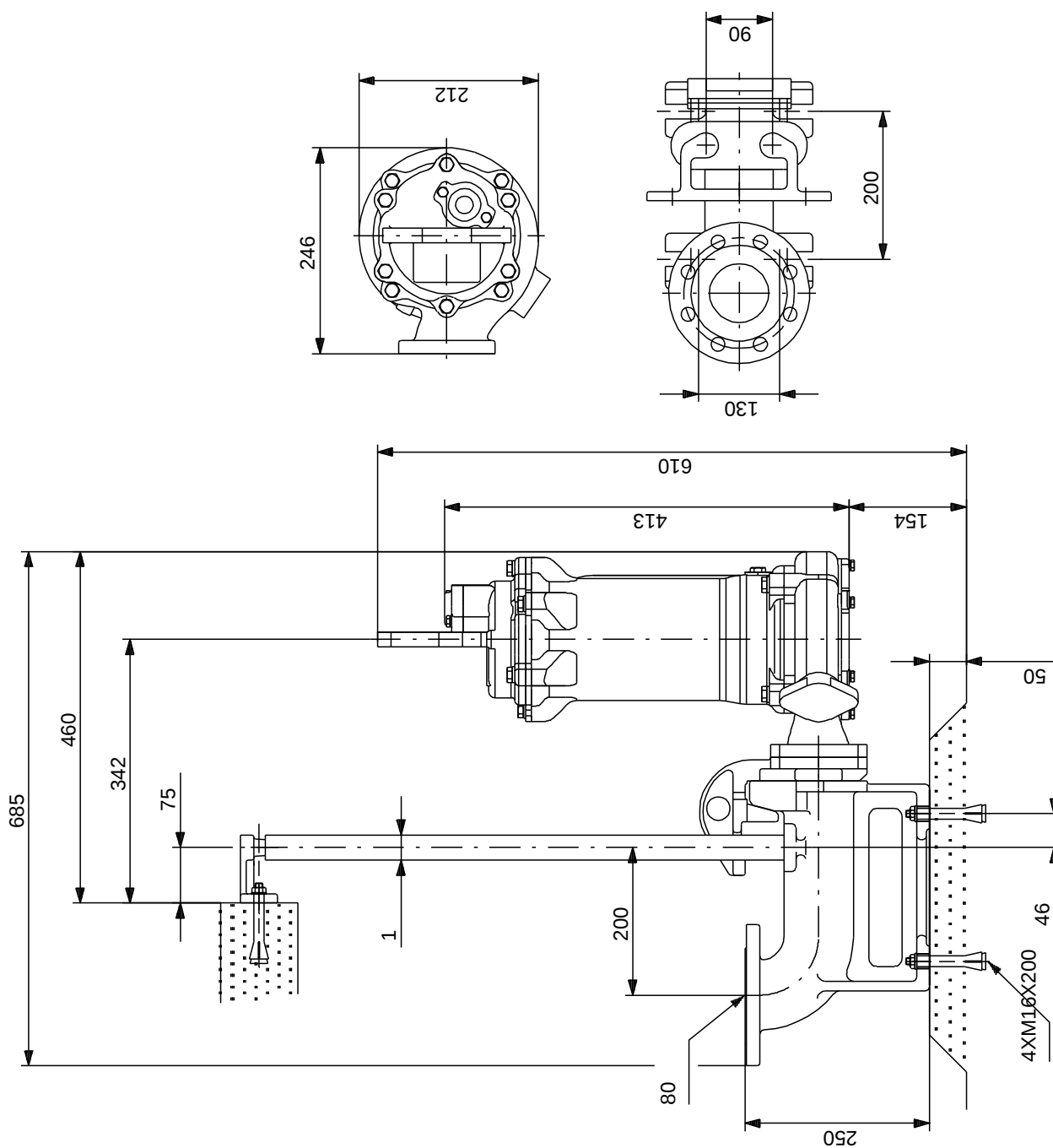
Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

On request DPK.10.80.22.5.0D 50 Hz



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

On request DPK.10.80.22.5.0D 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 DPK.10.80.22.5.0D, Product No. On request
Valid from 1.5.2009 (0918)

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
-	O-ring				1	pcs
37	O-ring				1	
37a	O-ring				1	
109	O-ring				1	
-	Cable				1	pcs
	Hex head screw				1	
	Hex head screw				1	
	Nut				1	
	Nut				1	
	Clamp				1	
	Clamp				1	
	Rubber bush				1	
168	Stuffing box				1	
168a	Rubber				1	
181	Power cable				1	
181a	Screw		Designation: AISI 304		3	
			Length (mm): 16			
			Thread: M6			
181b	Lock washer				3	
-	Motor assembly				1	pcs
	Bolt				1	
48	Stator				1	
55	Motor housing				1	
59	Bearing cover				1	
59	Spring lock washer				3	
60	Bearing housing				1	
60b	Hex head screw				3	
102	Stop ring				1	
151	Pump head cover				1	
153	Ball bearing				1	
154	Ball bearing				1	
154	Hex head bolt				4	
154a	Insulation plate				1	
172	Shaft w/rotor				1	
178a	Hex head screw				2	
181a	Hex head bolt				4	
182a	Hex socket head cap screw		Length (mm): 20		3	
			Thread: M8			
183	Lock washer				6	
183a	Spring lock washer				4	
186a	Spring lock washer				3	
190	Lifting device				1	
193	Plug				2	
-	Hydraulic assembly				1	pcs
9a	Key				1	
49	Impeller				1	
50	Pump housing				1	
66	Spring lock washer				1	
84a	Stand				1	
105	Mechanical seal cpl.				1	
188	Cap nut				1	
188a	Hex head screw				6	
188b	Lock washer				6	
189	Suction cover				1	

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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