

DPK.20.150.190.5.1D

Grundfos pump 96884093



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<https://www.lenntech.com/grundfos/DPK000/96884093/DPK-20-150-190-5-1D.html>

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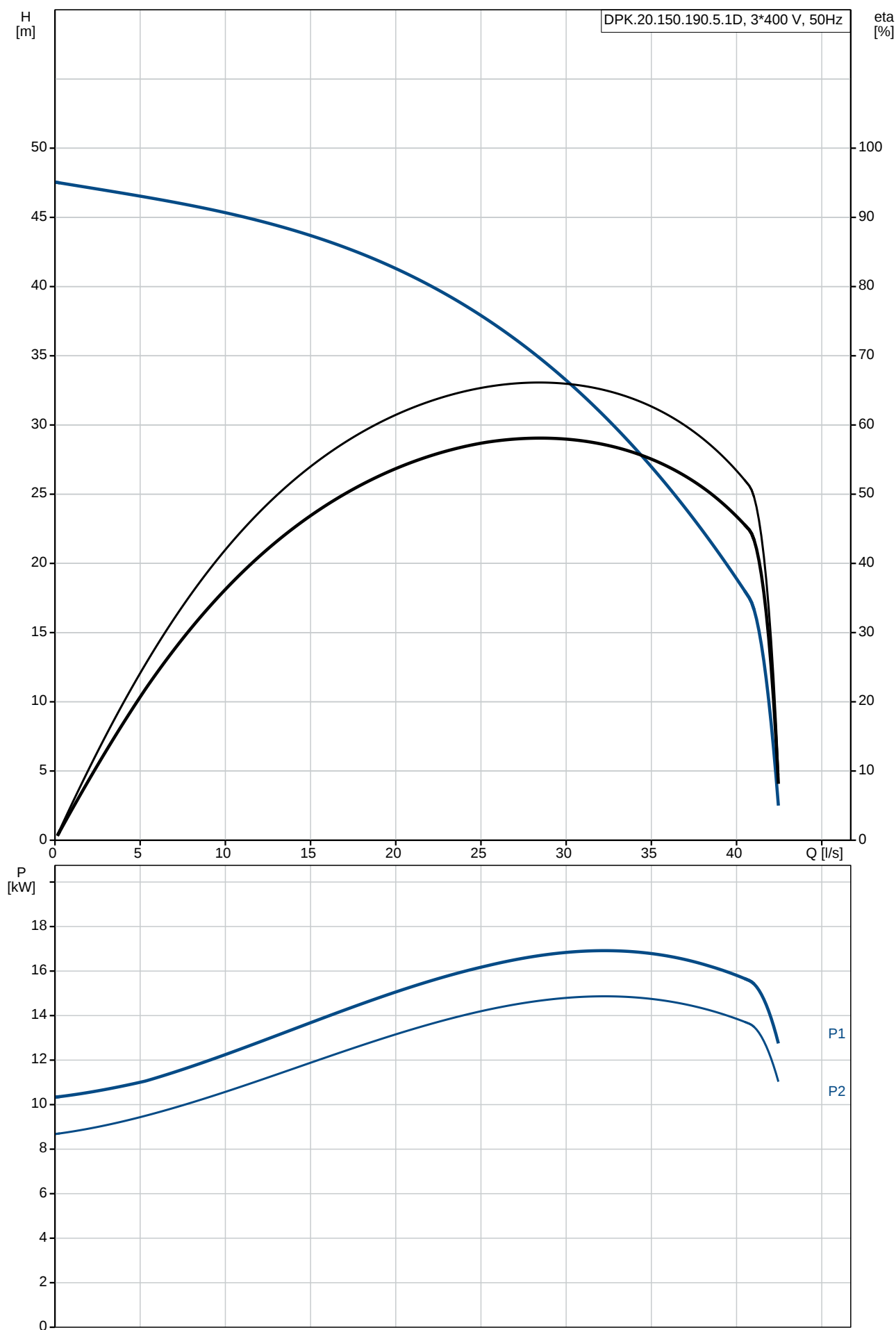
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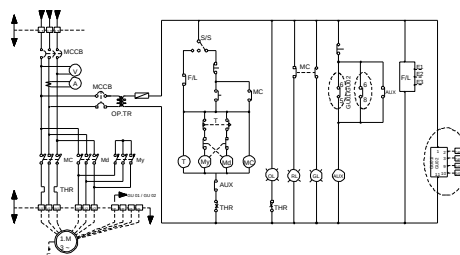
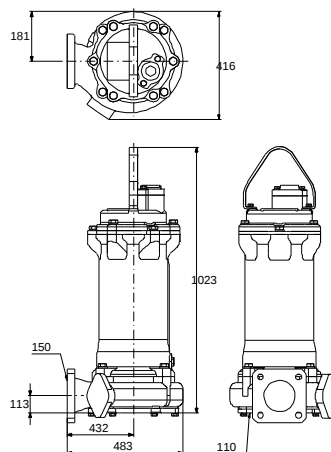
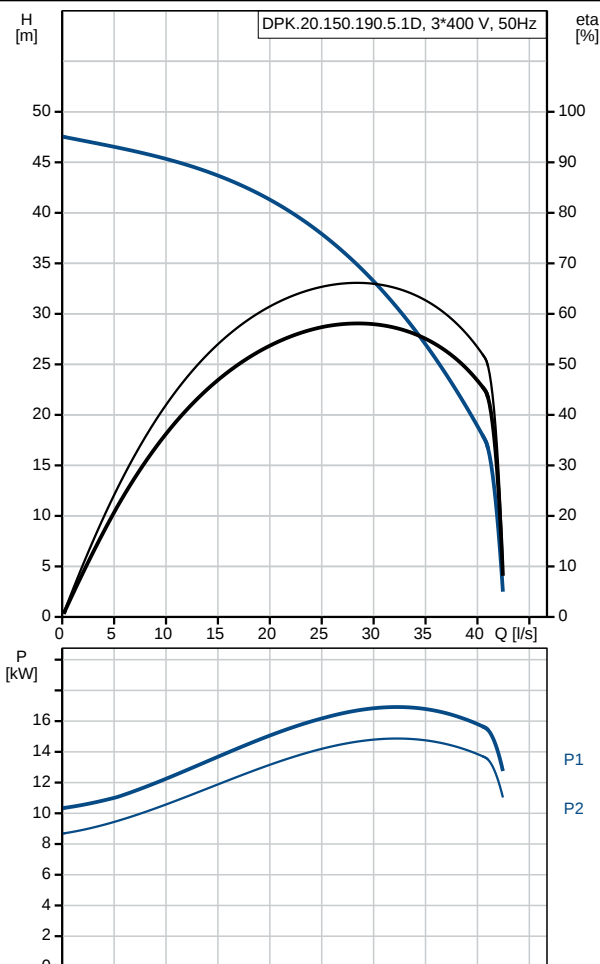
Position	Qty.	Description
	1	DPK.20.150.190.5.1D  Note! Product picture may differ from actual product Product No.: On request Submersible Drainage Pump Grundfos DPK pump is a submersible pump for drainage applications. The pump has enclosed impeller for 20mm free passage and is suitable for pumping ·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 vertical 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 and an electrode seal sensor to detect water penetration in to the motor housing. The pump is fitted with 10 m cable. Controls: Seal sensor: Y Liquid: Liquid temperature range: 0 .. 40 °C Density: 998.2 kg/m³ Technical: Actual impeller diameter: 210 mm Type of impeller: O Maximum particle size: 20 mm Primary shaft seal: SIC-SIC Secondary shaft seal: CERAMIC-CARBON Max. hydraulic efficiency: 66 % Curve tolerance: NONE Materials: Pump housing: Cast iron EN1561 EN-GJL-200 Impeller: Ductile cast iron EN1563 EN-GJS-450-10

Position	Qty.	Description
		Motor: Cart iron EN1561 EN-GJL-200 Installation: Maximum ambient temperature: 40 °C Pump outlet: DN 150 Maximum installation depth: 25 m Electrical data: Rated power - P2: 19 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Voltage tolerance: +5/-5 % Max starts per. hour: 18 Rated current: 36 A Rated current at 3/4 load: 28 A Rated current at 1/2 load: 21 A Maximum current consumption: 36 A Cos phi - power factor: 0.884 Cos phi - p.f. at 3/4 load: 0.851 Cos phi - p.f. at 1/2 load: 0.772 Rated speed: 2850 rpm Motor efficiency at full load: 88.4 % Motor efficiency at 3/4 load: 87.8 % Motor efficiency at 1/2 load: 85.9 % Number of poles: 2 Start. method: star/delta 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: 300 kg

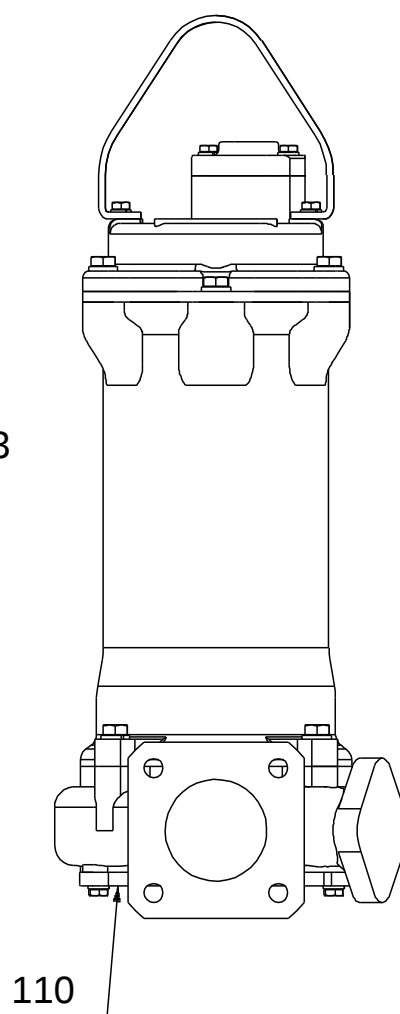
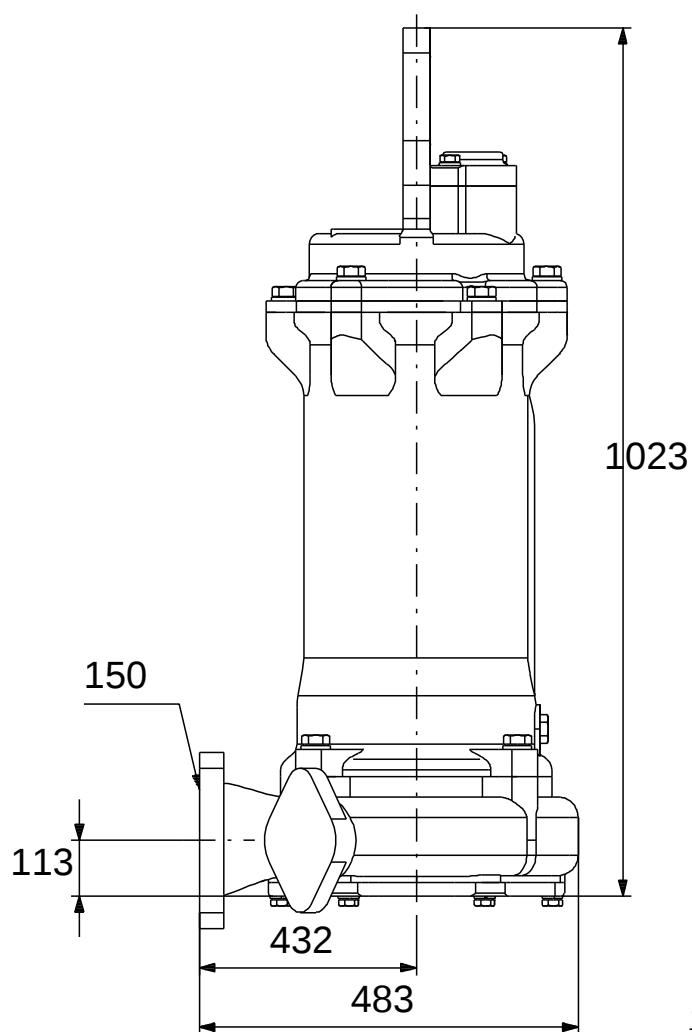
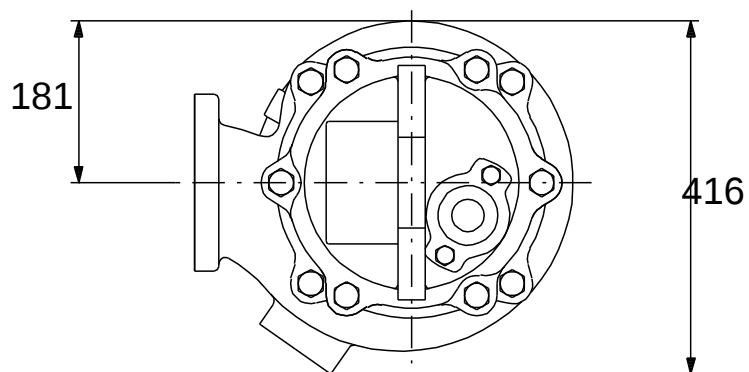
On request DPK.20.150.190.5.1D 50 Hz



Description	Value
General information:	
Product name:	DPK.20.150.190.5.1D
Product No:	On request
EAN number:	On request
Technical:	
Max flow:	42.4 l/s
Head min:	2.5 m
Head max:	47.5 m
Actual impeller diameter:	210 mm
Type of impeller:	O
Maximum particle size:	20 mm
Primary shaft seal:	SIC-SIC
Secondary shaft seal:	CERAMIC-CARBON
Max. hydraulic efficiency:	66 %
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 150
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:	19 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415 V
Voltage tolerance:	+5/-5 %
Max starts per. hour:	18
Rated current:	36 A
Rated current at 3/4 load:	28 A
Rated current at 1/2 load:	21 A
Maximum current consumption:	36 A
Cos phi - power factor:	0.884
Cos phi - p.f. at 3/4 load:	0.851
Cos phi - p.f. at 1/2 load:	0.772
Rated speed:	2850 rpm
Motor efficiency at full load:	88.4 %
Motor efficiency at 3/4 load:	87.8 %
Motor efficiency at 1/2 load:	85.9 %
Number of poles:	2
Start. method:	star/delta
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:	7X6.0MM2+6X1MM2
Controls:	
Seal sensor:	Y
Sensor type:	BI-METAL
Others:	
Net weight:	300 kg

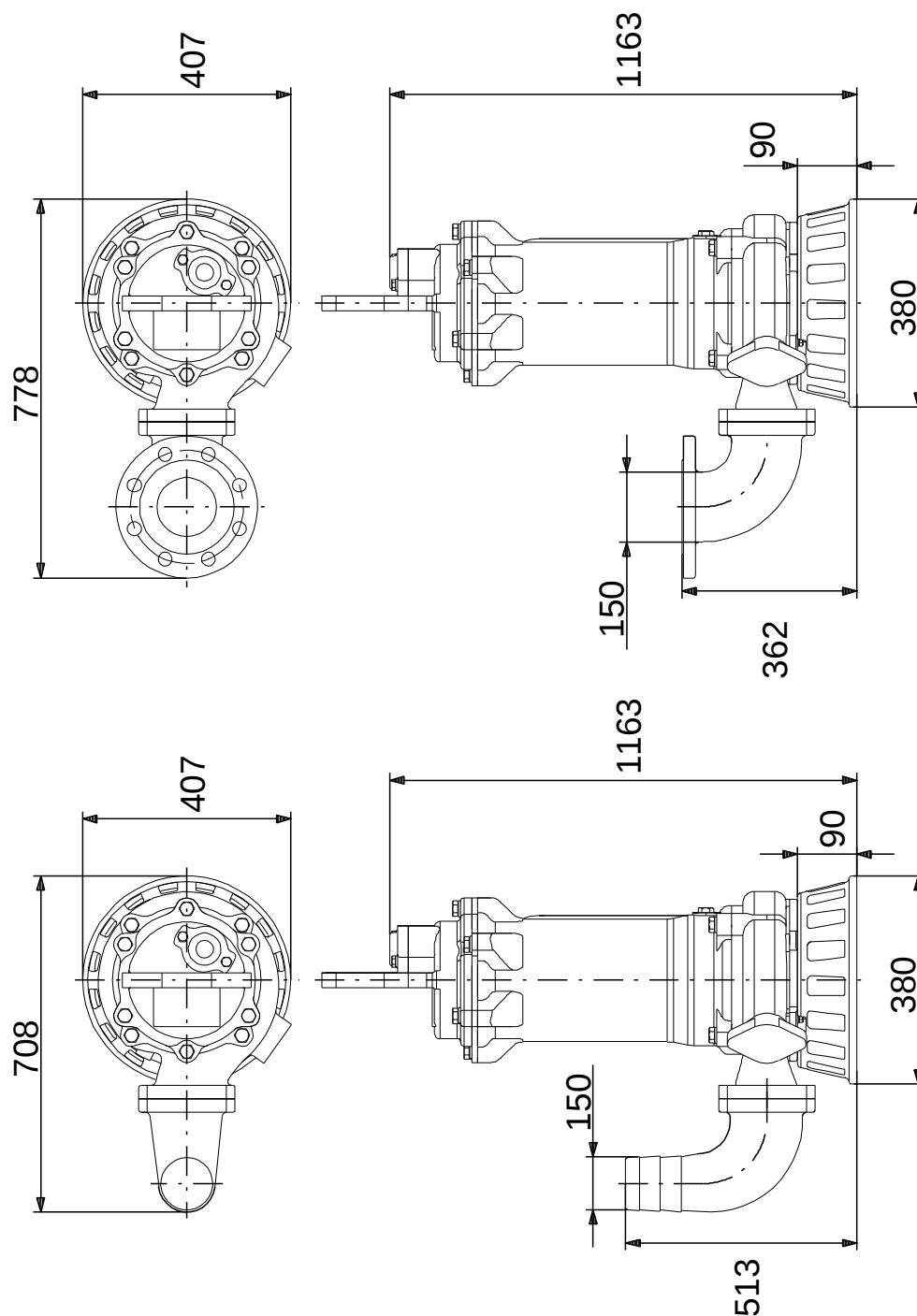


On request DPK.20.150.190.5.1D 50 Hz



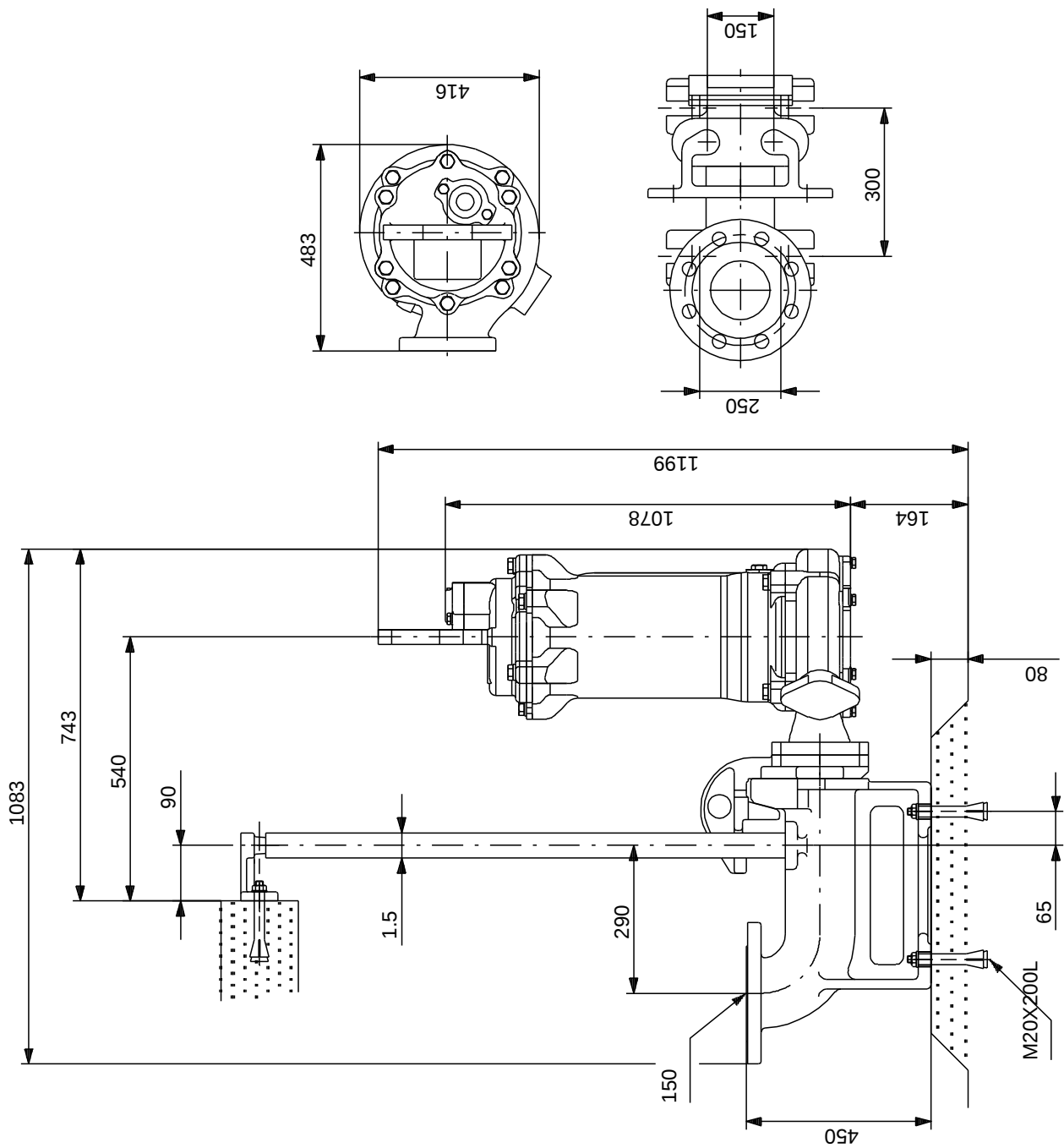
Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

On request DPK.20.150.190.5.1D 50 Hz



Note! All units are in [mm] unless others are stated.
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On request DPK.20.150.190.5.1D 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.20.150.190.5.1D, Product No. On request
Valid from 1.5.2009 (0918)

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
46	Sealing part				1	pcs
50	Pump housing				1	pcs
55a	Bracket				1	pcs
60	Bearing housing				1	pcs
190d	Eyebolt				1	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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