

DPK.20.100.110.5.0D

Grundfos Pump 96884090



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Please contact us for more information, or visit our website

<https://www.lenntech.com/grundfos/DPK000/96884090/DPK-20-100-110-5-0D.html>

info@lenntech.com

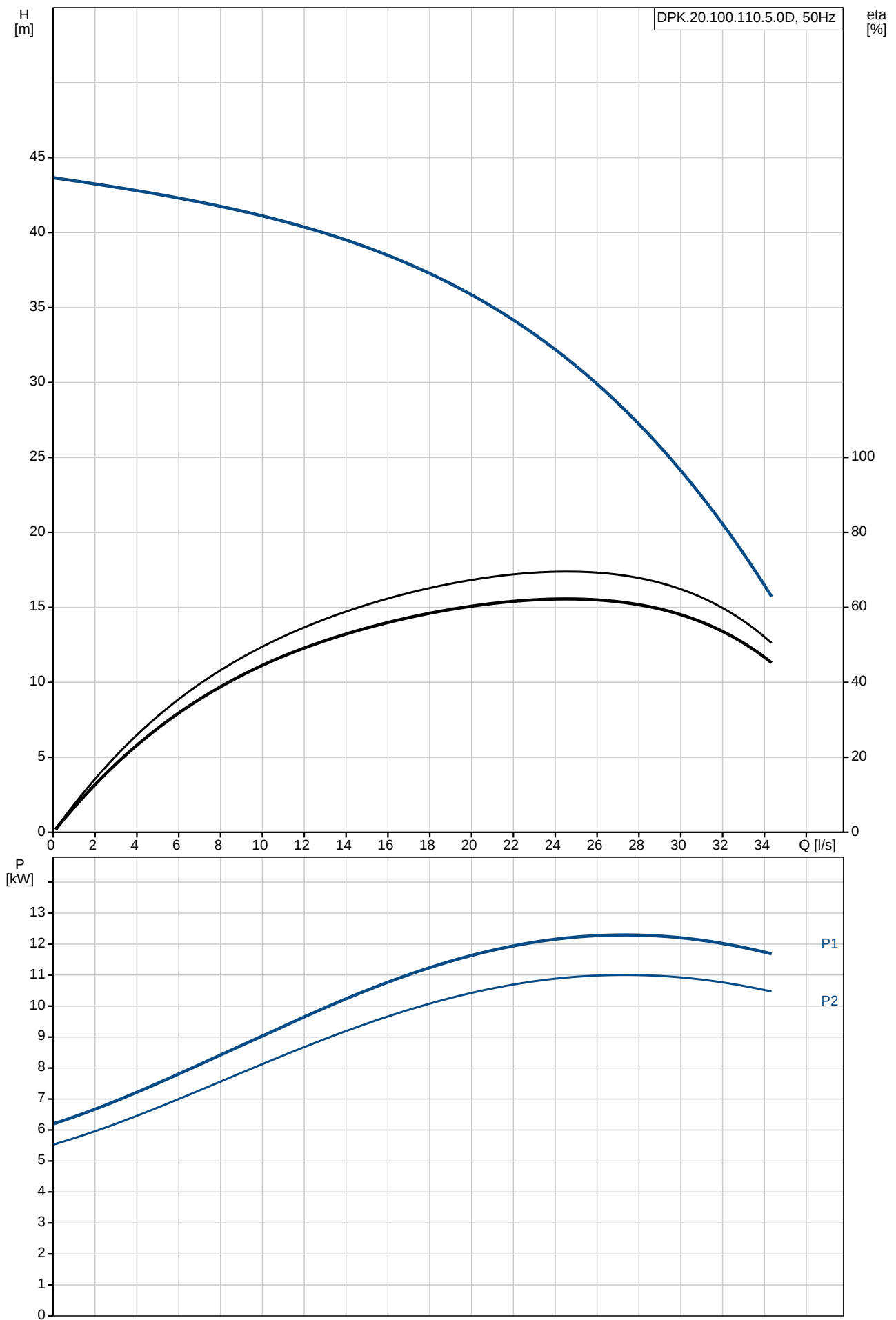
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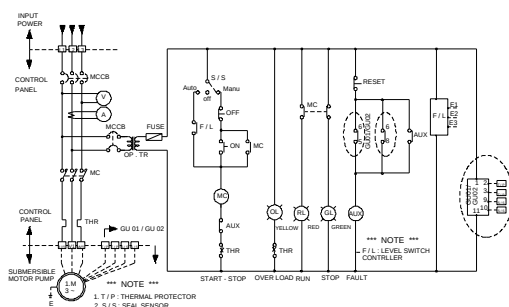
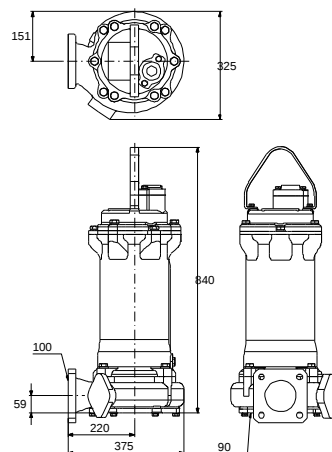
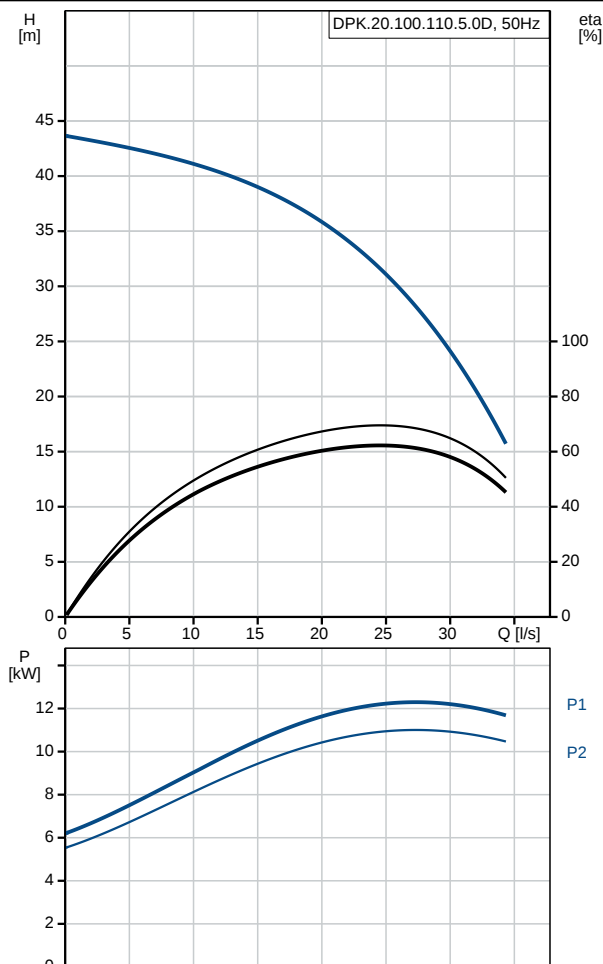
Position	Qty.	Description																																
	1	 Product No.: 96884090 Submersible Drainage Pump Grundfos DPK pump is a submersible pump for drainage applications. The pump has semi-open impeller for 20mm free passage and is suitable for pumping ·large quantities of underground and surface 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 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 and an electrode seal sensor to detect water penetration in to the motor housing. The pump is fitted with 10 m cable. Controls: <table><tr><td>Seal sensor:</td><td>N</td></tr></table> Liquid: <table><tr><td>Liquid temperature range:</td><td>0 .. 40 °C</td></tr><tr><td>Density:</td><td>998.2 kg/m³</td></tr></table> Technical: <table><tr><td>Actual impeller diameter:</td><td>185 mm</td></tr><tr><td>Type of impeller:</td><td>O</td></tr><tr><td>Maximum particle size:</td><td>20 mm</td></tr><tr><td>Primary shaft seal:</td><td>SIC-SIC</td></tr><tr><td>Secondary shaft seal:</td><td>CERAMIC-CARBON</td></tr><tr><td>Max. hydraulic efficiency:</td><td>71 %</td></tr><tr><td>Curve tolerance:</td><td>ISO9906:2012 3B</td></tr></table> Materials: <table><tr><td>Pump housing:</td><td>Cast iron EN1561 EN-GJL-200</td></tr><tr><td>Impeller:</td><td>Ductile cast iron EN1563 EN-GJS-450-10</td></tr><tr><td>Motor:</td><td>Cart iron EN1561 EN-GJL-200</td></tr></table> Installation: <table><tr><td>Maximum ambient temperature:</td><td>40 °C</td></tr><tr><td>Pump outlet:</td><td>DN 100</td></tr><tr><td>Maximum installation depth:</td><td>25 m</td></tr></table> Electrical data:	Seal sensor:	N	Liquid temperature range:	0 .. 40 °C	Density:	998.2 kg/m³	Actual impeller diameter:	185 mm	Type of impeller:	O	Maximum particle size:	20 mm	Primary shaft seal:	SIC-SIC	Secondary shaft seal:	CERAMIC-CARBON	Max. hydraulic efficiency:	71 %	Curve tolerance:	ISO9906:2012 3B	Pump housing:	Cast iron EN1561 EN-GJL-200	Impeller:	Ductile cast iron EN1563 EN-GJS-450-10	Motor:	Cart iron EN1561 EN-GJL-200	Maximum ambient temperature:	40 °C	Pump outlet:	DN 100	Maximum installation depth:	25 m
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Position	Qty.	Description
		Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Voltage tolerance: +5/-5 % Max starts per. hour: 30 Rated current: 20.4 A Rated current at 3/4 load: 15.4 A Rated current at 1/2 load: 10.8 A Maximum current consumption: 23 A Cos phi - power factor: 0.92 Cos phi - p.f. at 3/4 load: 0.91 Cos phi - p.f. at 1/2 load: 0.87 Rated speed: 2850 rpm Motor efficiency at full load: 89.5 % Motor efficiency at 3/4 load: 90.0 % Motor efficiency at 1/2 load: 89.2 % 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: 166 kg

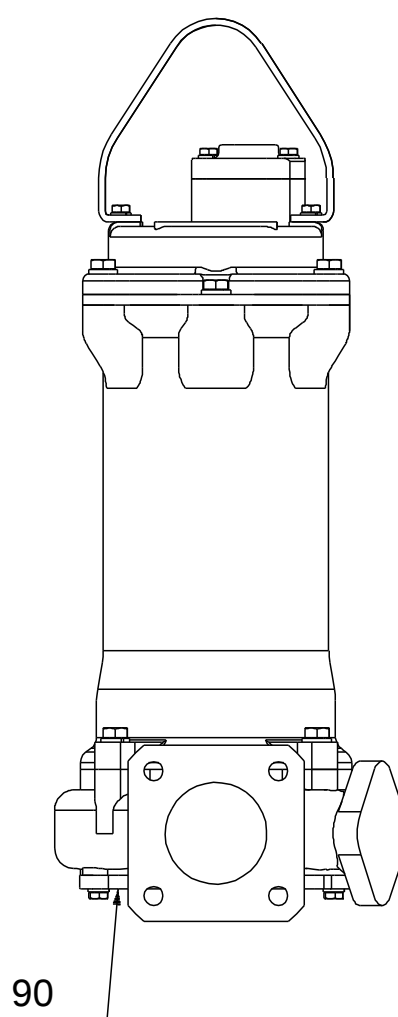
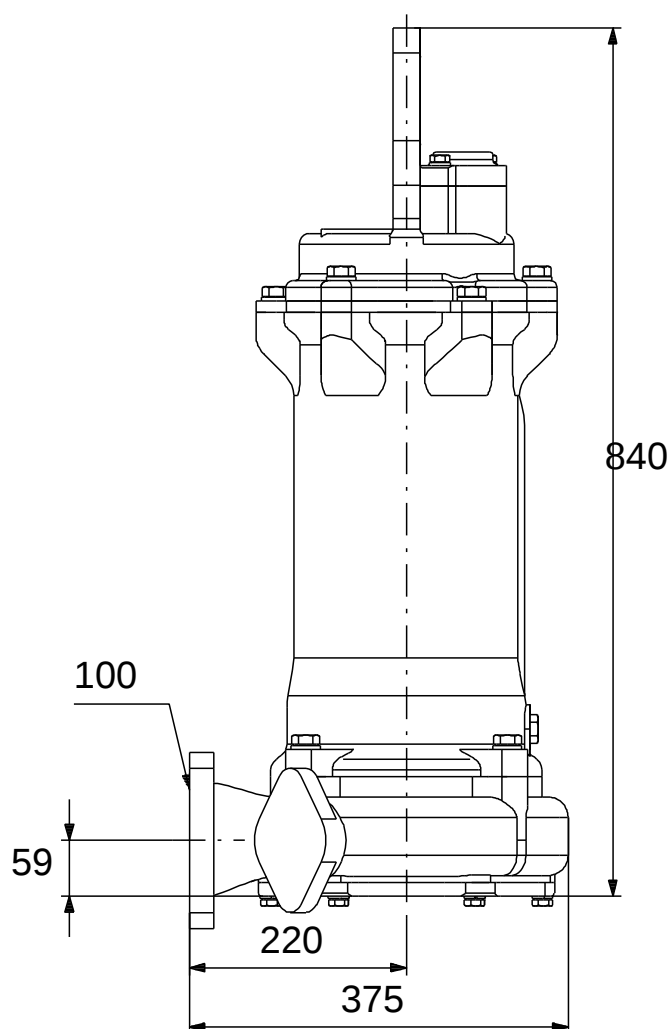
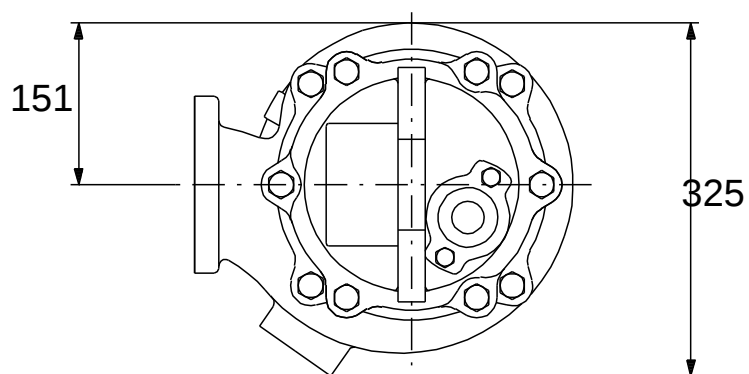
96884090 DPK.20.100.110.5.0D 50 Hz



Description	Value
General information:	
Product name:	DPK.20.100.110.5.0D
Product No:	96884090
EAN number:	5700312719762
Technical:	
Max flow:	28.9 l/s
Head min:	24.2 m
Head max:	43 m
Actual impeller diameter:	185 mm
Type of impeller:	O
Maximum particle size:	20 mm
Primary shaft seal:	SIC-SIC
Secondary shaft seal:	CERAMIC-CARBON
Max. hydraulic efficiency:	71 %
Curve tolerance:	ISO9906:2012 3B
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 100
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:	11 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415 V
Voltage tolerance:	+5/-5 %
Max starts per. hour:	30
Rated current:	20.4 A
Rated current at 3/4 load:	15.4 A
Rated current at 1/2 load:	10.8 A
Maximum current consumption:	23 A
Cos phi - power factor:	0.92
Cos phi - p.f. at 3/4 load:	0.91
Cos phi - p.f. at 1/2 load:	0.87
Rated speed:	2850 rpm
Motor efficiency at full load:	89.5 %
Motor efficiency at 3/4 load:	90.0 %
Motor efficiency at 1/2 load:	89.2 %
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:	4X6.0MM2+4X1MM2
Controls:	
Seal sensor:	N
Sensor type:	Y
Others:	
Net weight:	166 kg

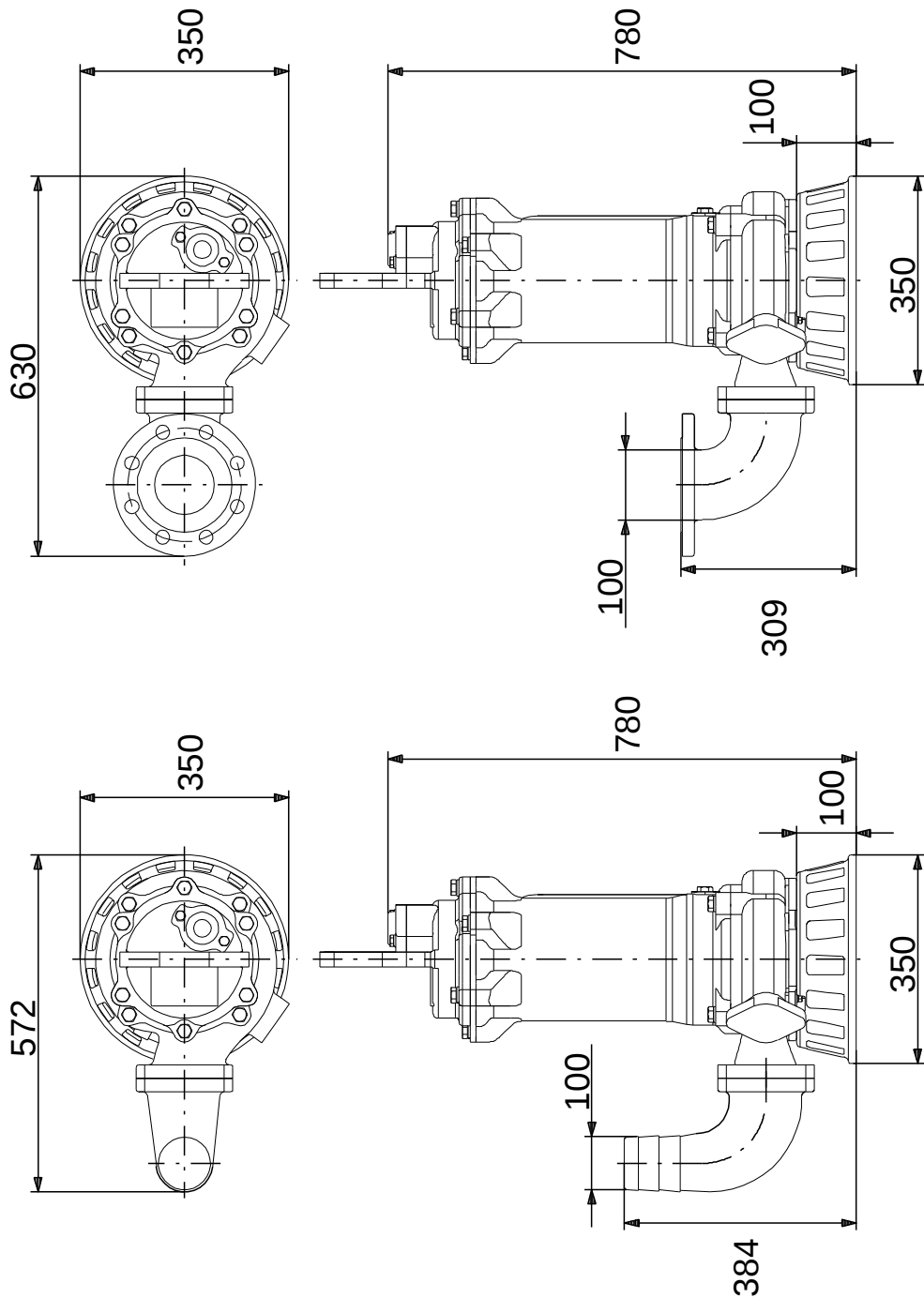


96884090 DPK.20.100.110.5.0D 50 Hz



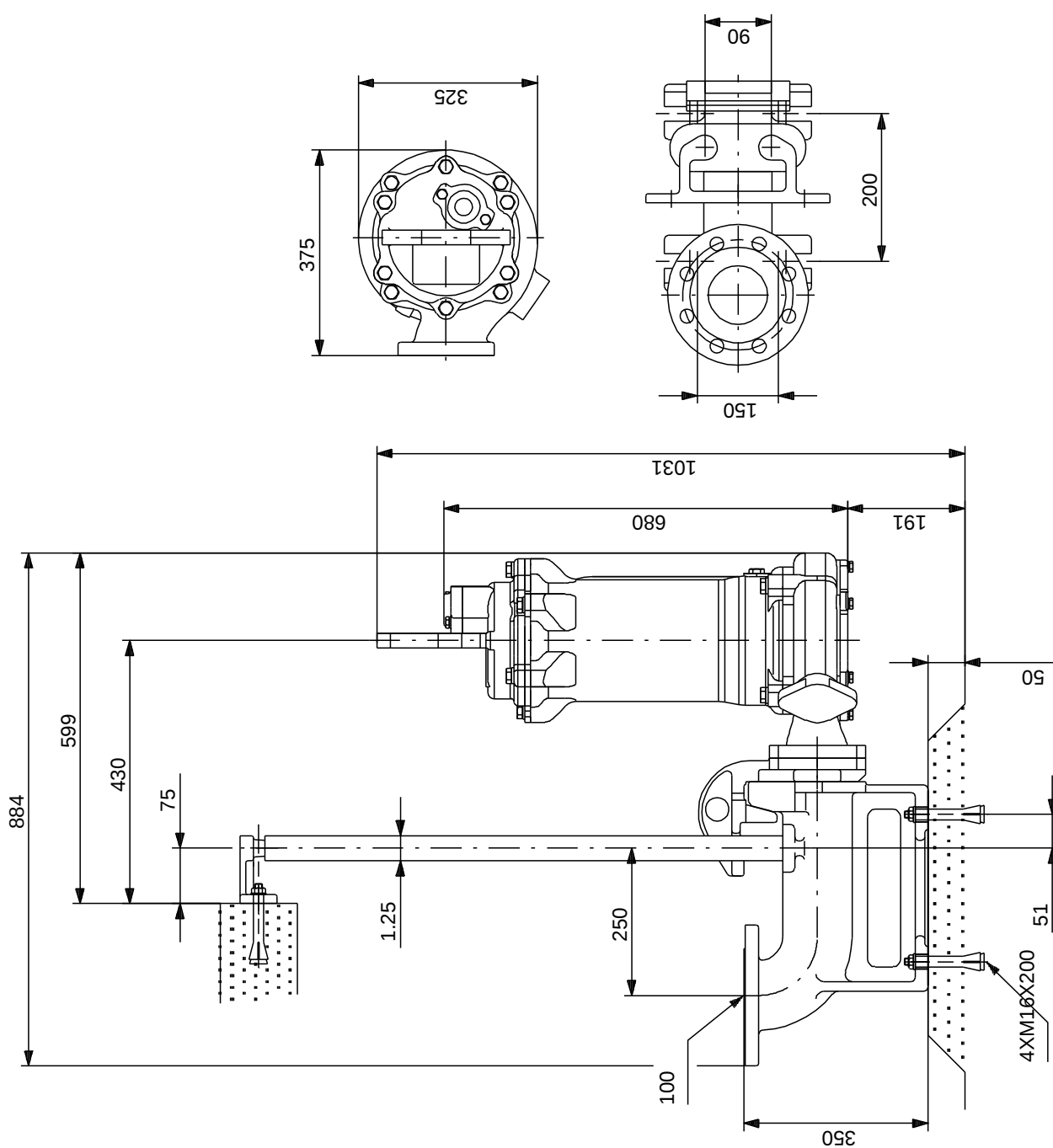
Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

96884090 DPK.20.100.110.5.0D 50 Hz



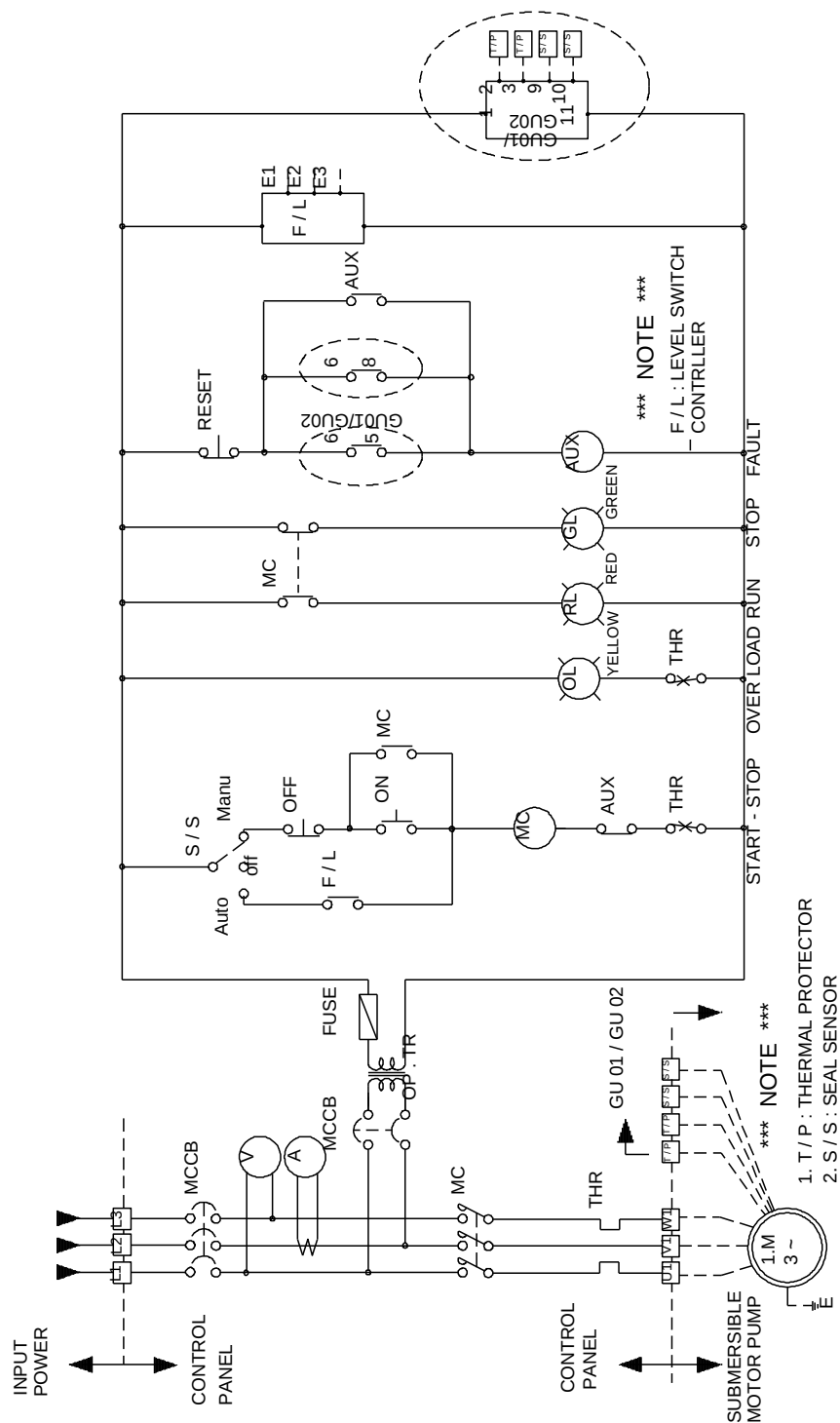
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96884090 DPK.20.100.110.5.0D 50 Hz



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96884090 DPK.20.100.110.5.0D 50 Hz



Note! All units are in [mm] unless others are stated.

*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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