

DWK.O.13.80.55.5.1D

Grundfos pump 96926046



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<https://www.lenntech.com/grundfos/DWK000/96926046/DWK-O-13-80-55-5-1D.html>

info@lenntech.com

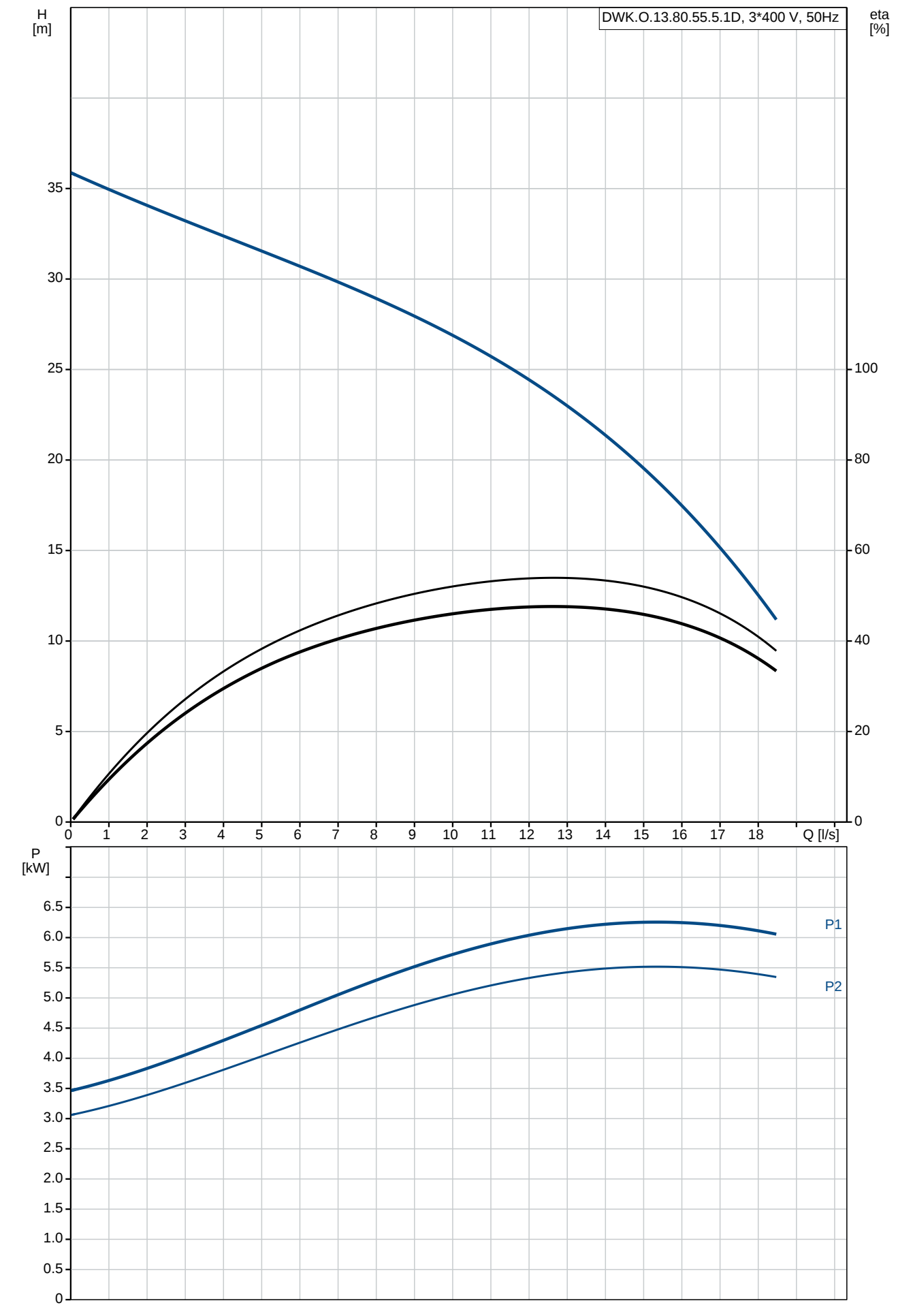
tel. +31 152 610 900

fax. +31 152 616 289

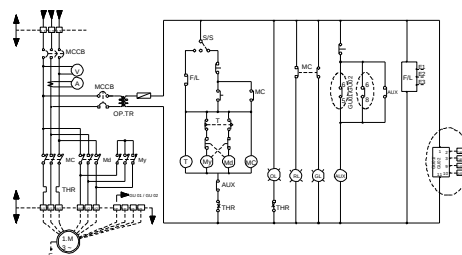
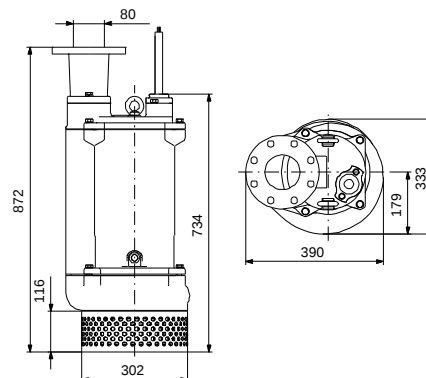
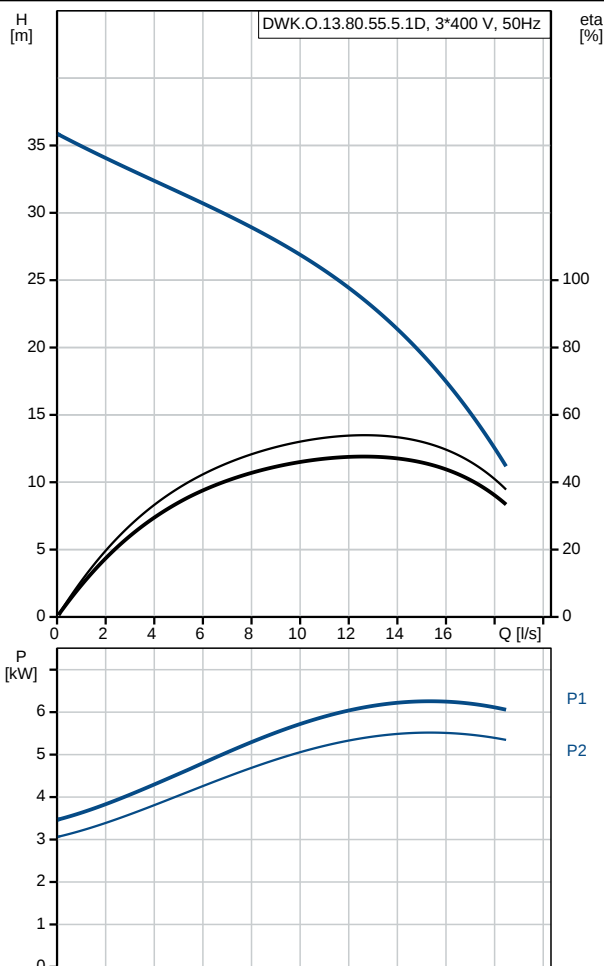
Position	Qty.	Description																																
	1	 Product No.: On request Submersible Contractor Pump Grundfos DWK pump is a submersible pump for dewatering and drainage applications. The pump is suitable for pumping ·large quantities of underground and surface water ·drainage water at high head ·water with dirt from drainage pits 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 rise pipe, a double mechanical seal and semi-open impeller type The pump is equipped with a temperature Bi-metal sensor for motor protection in case of overheating and electrode seal sensor to detect water penetration in to the motor housing. The pump is fitted with suction strainer, lifting handle and 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>174 mm</td></tr><tr><td>Type of impeller:</td><td>O</td></tr><tr><td>Maximum particle size:</td><td>13 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>51 %</td></tr><tr><td>Curve tolerance:</td><td>NONE</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>Cast 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 80</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:	174 mm	Type of impeller:	O	Maximum particle size:	13 mm	Primary shaft seal:	SIC-SIC	Secondary shaft seal:	CERAMIC-CARBON	Max. hydraulic efficiency:	51 %	Curve tolerance:	NONE	Pump housing:	Cast iron EN1561 EN-GJL-200	Impeller:	Ductile cast iron EN1563 EN-GJS-450-10	Motor:	Cast iron EN1561 EN-GJL-200	Maximum ambient temperature:	40 °C	Pump outlet:	DN 80	Maximum installation depth:	25 m
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Position	Qty.	Description
		Rated power - P2: 5.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Voltage tolerance: +5/-5 % Max starts per. hour: 30 Rated current: 10.5 A Rated current at 3/4 load: 8 A Rated current at 1/2 load: 5.9 A Maximum current consumption: 10.5 A Cos phi - power factor: 0.91 Cos phi - p.f. at 3/4 load: 0.88 Cos phi - p.f. at 1/2 load: 0.82 Rated speed: 2850 rpm Motor efficiency at full load: 88.2 % Motor efficiency at 3/4 load: 88.8 % Motor efficiency at 1/2 load: 88.2 % 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: 110 kg

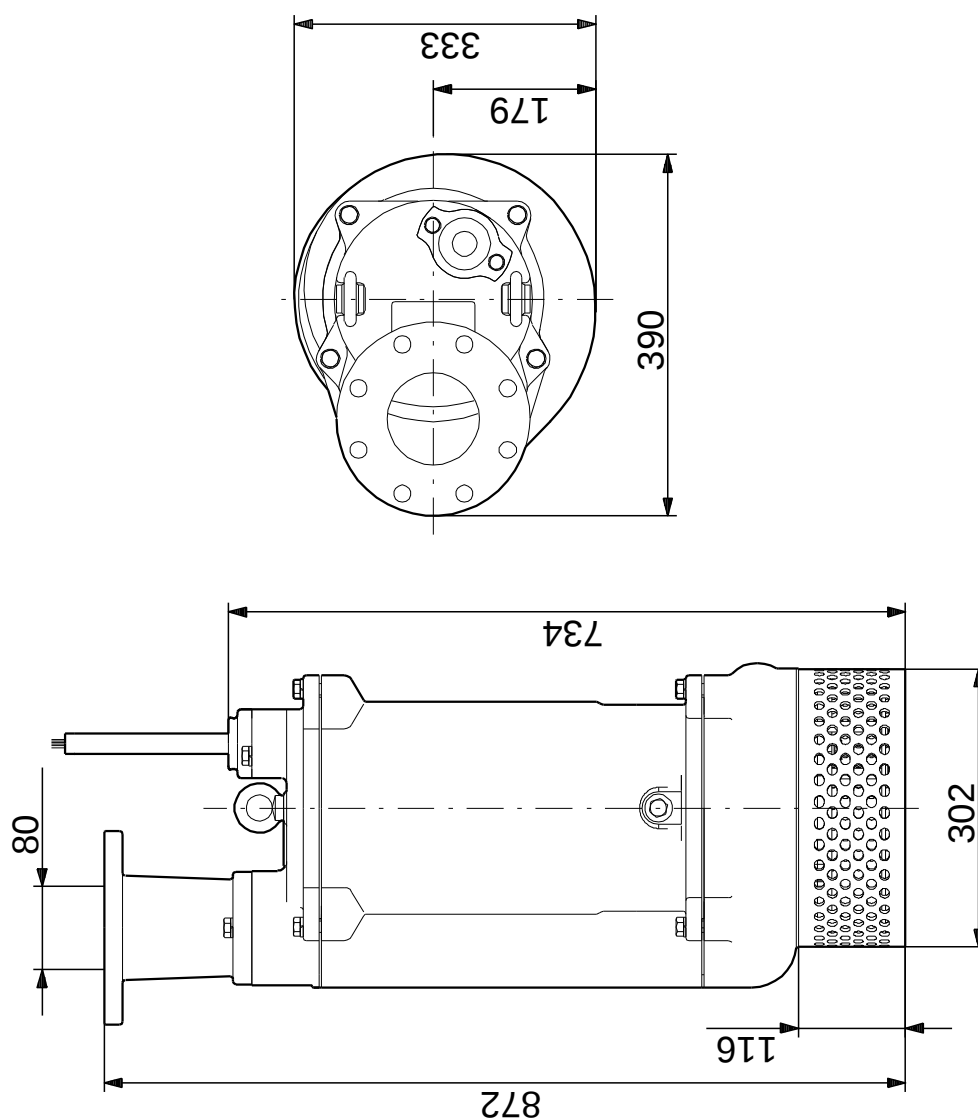
On request DWK.O.13.80.55.5.1D 50 Hz



Description	Value
General information:	
Product name:	DWK.O.13.80.55.5.1D
Product No:	On request
EAN number:	On request
Technical:	
Max flow:	18.3 l/s
Head min:	9.6 m
Head max:	33.9 m
Actual impeller diameter:	174 mm
Type of impeller:	O
Maximum particle size:	13 mm
Primary shaft seal:	SIC-SIC
Secondary shaft seal:	CERAMIC-CARBON
Max. hydraulic efficiency:	51 %
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:	5.5 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415 V
Voltage tolerance:	+5/-5 %
Max starts per. hour:	30
Rated current:	10.5 A
Rated current at 3/4 load:	8 A
Rated current at 1/2 load:	5.9 A
Maximum current consumption:	10.5 A
Cos phi - power factor:	0.91
Cos phi - p.f. at 3/4 load:	0.88
Cos phi - p.f. at 1/2 load:	0.82
Rated speed:	2850 rpm
Motor efficiency at full load:	88.2 %
Motor efficiency at 3/4 load:	88.8 %
Motor efficiency at 1/2 load:	88.2 %
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:	7X4.0MM2+4X1MM2
Controls:	
Seal sensor:	N
Sensor type:	Y
Others:	
Net weight:	110 kg

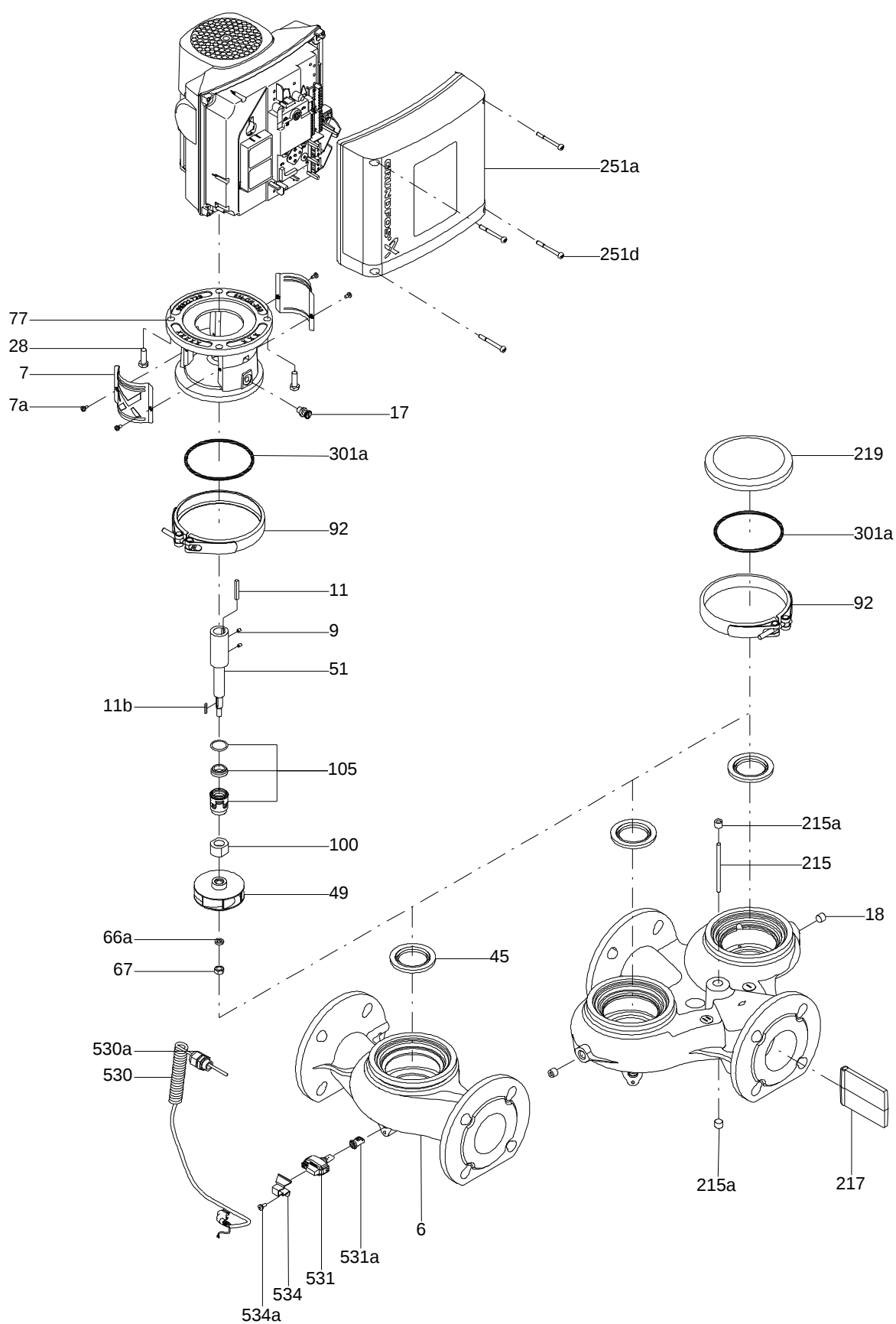


On request DWK.O.13.80.55.5.1D 50 Hz

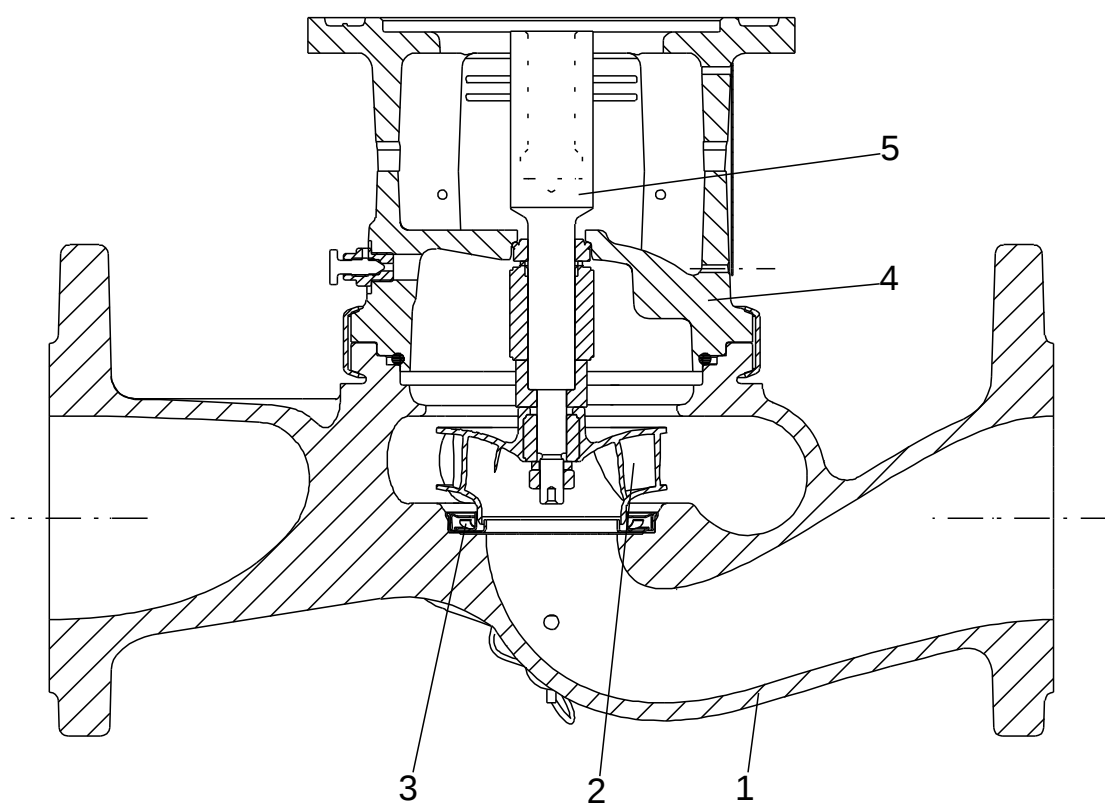


Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

Exploded view

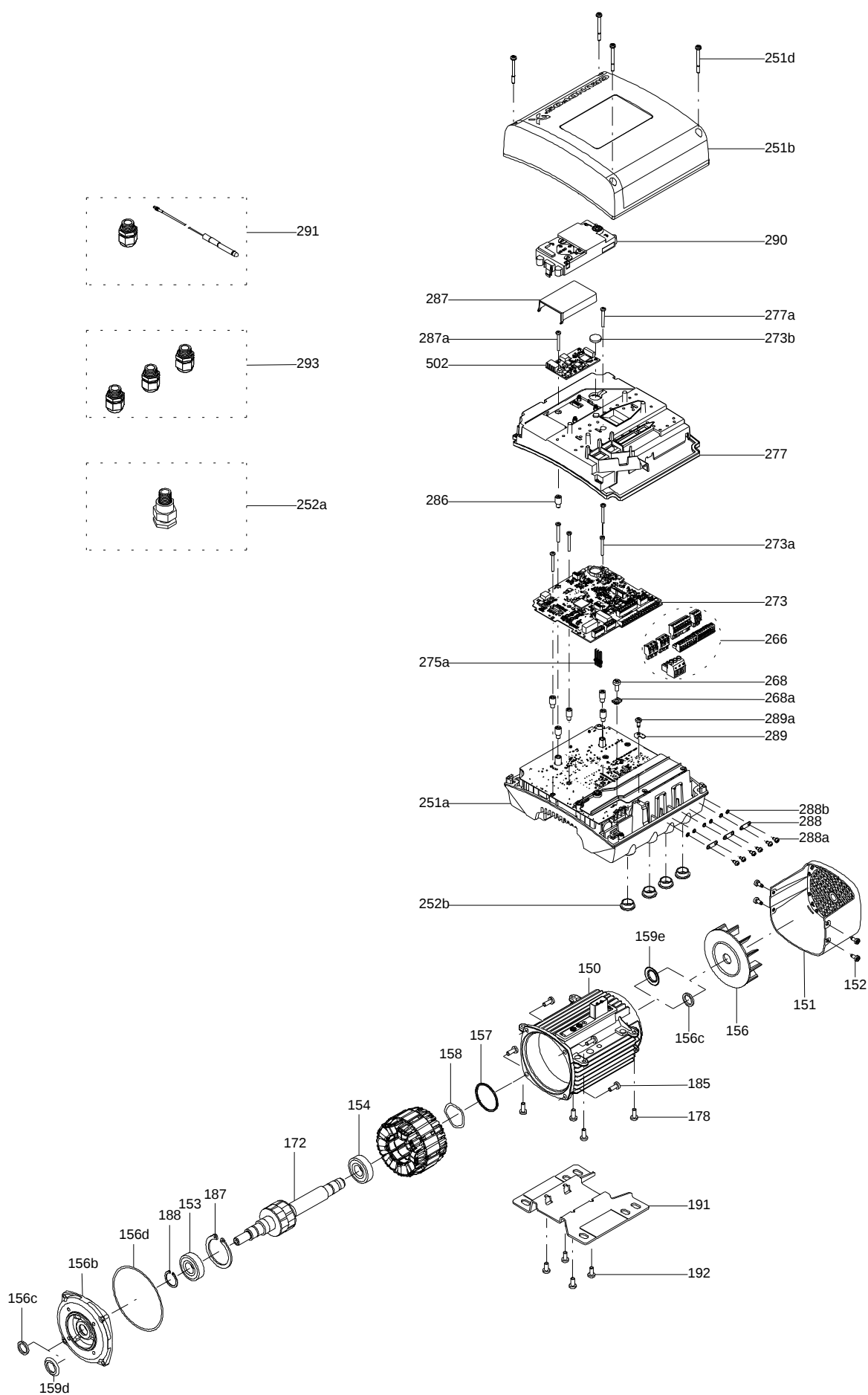


Sectional drawing (TM058200 for TPE2,TPE3)



TM058200

Exploded view (TM057026 for MGE model H/I)



Parts list DWK.O.13.80.55.5.1D, Product No. On request
Valid from 1.5.2009 (0918)

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
-	Flange				1	pcs
12	Flange				1	
35	Hex head bolt				4	
35b	Spring lock washer				4	
-	O-ring				1	pcs
35a	O-ring				1	
37b	O-ring				1	
37e	Rubber				1	
39	O-ring				1	
39e	Rubber				1	
109	O-ring				1	
-	Cable				1	pcs
	Hex head screw				2	
	Hex head screw				1	
	Nut				2	
	Nut				1	
	Clamp				1	
	Rubber bush				1	
	Cable clamp				1	
168	Cable gland				1	
181	Power cable				1	
181a	Hex head bolt				2	
181b	Spring lock washer				2	
198	Rubber bush				2	
198a	Washer				2	
-	Motor assembly				1	pcs
	Bolt				1	
	Sensor				1	
	Hex head bolt				2	
48	Stator				1	
55	Motor housing				1	
59	Bearing cover				1	
60	Bearing housing				1	
60a	Hex head screw				4	
60b	Spring lock washer				4	
102	Stop ring				1	
151	Bracket				1	
153	Angular-contact bearing				1	
153a	Ball bearing				1	
154	Ball bearing				1	
154a	Insulation plate				1	
172	Shaft w/rotor				1	
182	Hex head screw				6	
182a	Spring lock washer				6	
183	Hex head screw				4	
183a	Spring lock washer				4	
183b	Hex head bolt				2	
183c	Spring lock washer				2	
184	Hex head screw				4	
184a	Spring lock washer				4	
190d	Eyebolt				2	
193	Plug				2	
-	Hydraulic assembly				1	pcs
9a	Key				1	
46	Sealing part				2	
49	Impeller				1	
50	Pump housing				1	
66	Washer				1	
84a	Strainer				1	

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
84b	Hex head screw				3	
84c	Spring lock washer				3	
105	Mechanical seal cpl.				1	
105b	Pan head screw				3	
188	Cap nut				1	
188a	Hex head screw				3	
188b	Spring lock washer				3	
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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info@lenntech.com

<https://www.lenntech.com>

tel. +31 152 610 900

fax. +31 152 616 289