

DWK.O.6.80.22.5.0D.R

Grundfos pump 96922727



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<https://www.lenntech.com/grundfos/DWK000/96922727/DWK-O-6-80-22-5-0D-R.html>

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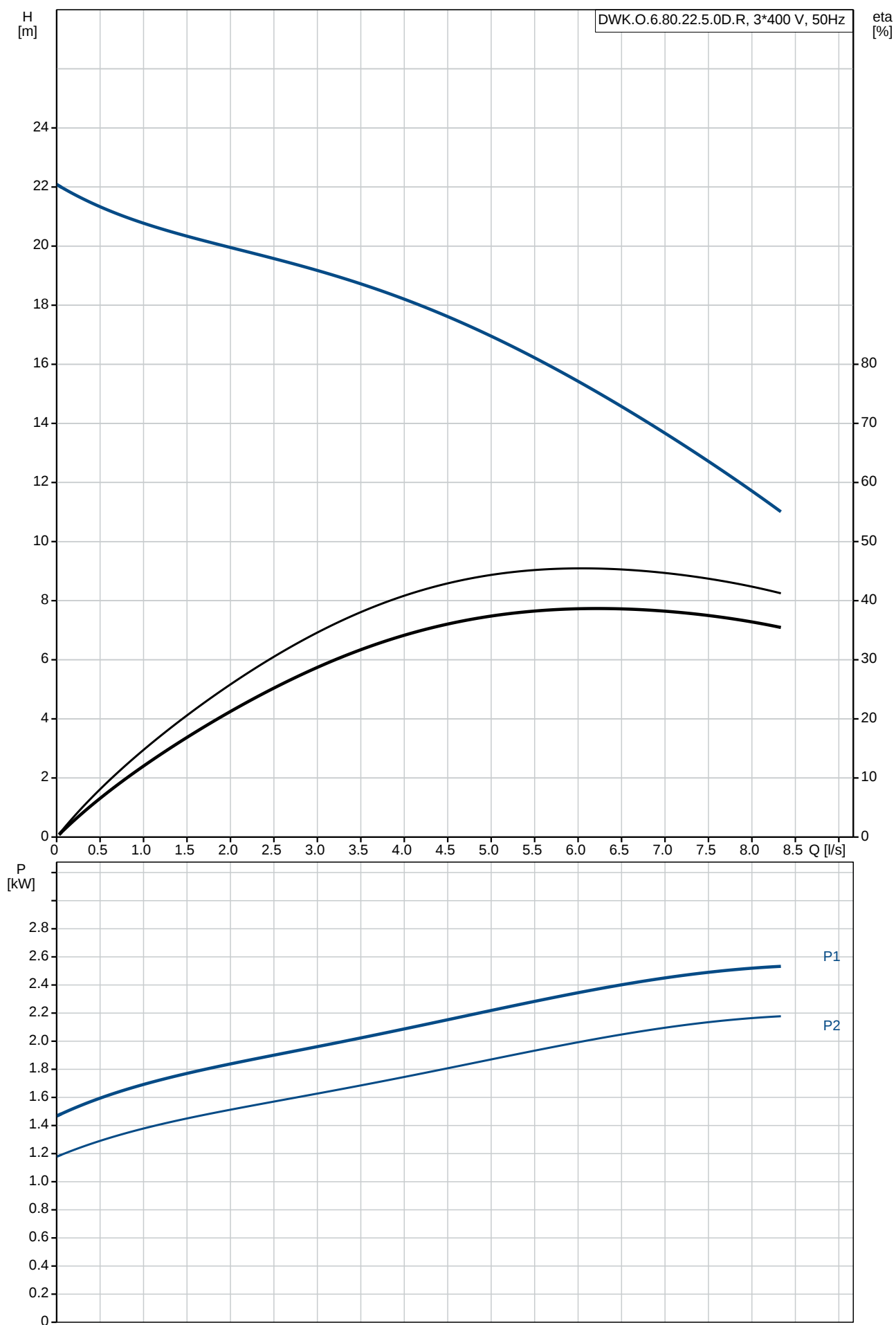
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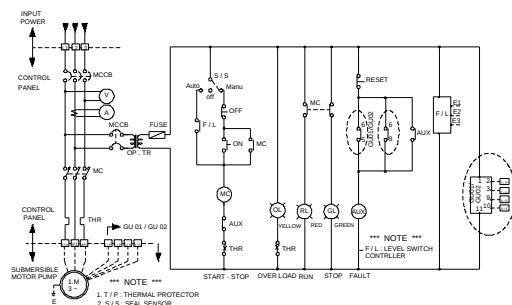
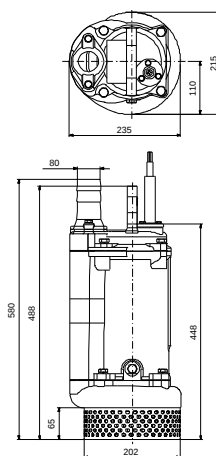
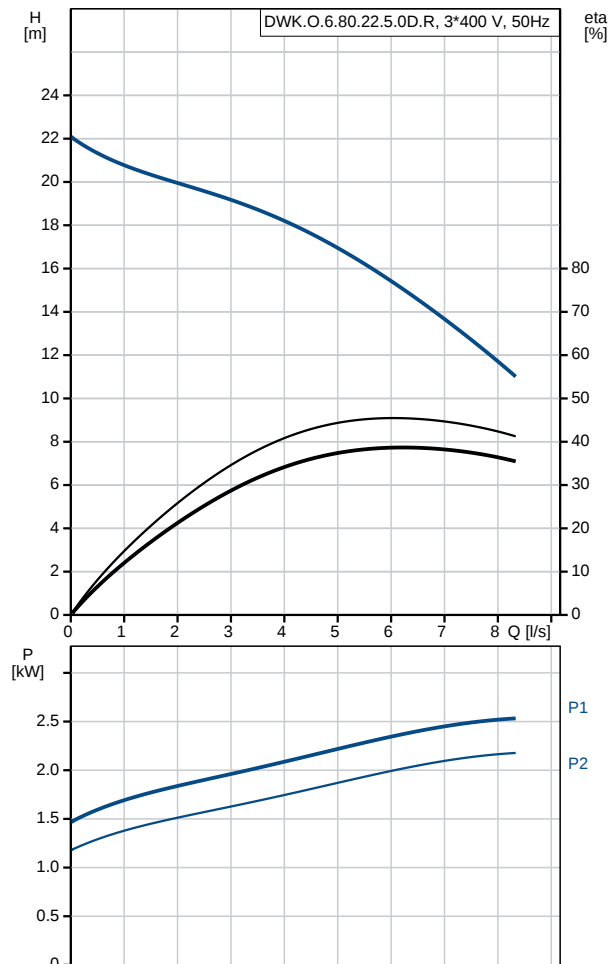
Position	Qty.	Description
	1	DWK.O.6.80.22.5.0D.R  Product No.: On request Submersible Contractor Pump Grundfos DWK pump is a submersible pump for dewatering and drainage applications. The pump is suitable for pumping ·water with dirt from underground drainage pits ·water with sand from construction sites, excavation sites, tunnels etc. 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 a high chrome stainless steel semi-open impeller type for maintained performance. The pump is equipped with an integrated Ti-circle for motor protection in case of overheating. The pump can operate independently without monitoring equipment. The pump is fitted with suction strainer, lifting handle and 10 m cable. The pump is equipped with a hose coupling discharge. 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: 6 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: high-chrome stainless steel DIN W.-Nr. HI-CR Motor: Cast iron EN1561 EN-GJL-200 Installation: Maximum ambient temperature: 40 °C Pump outlet: DN 80 Maximum installation depth: 25 m

Position	Qty.	Description
		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 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: 45 kg

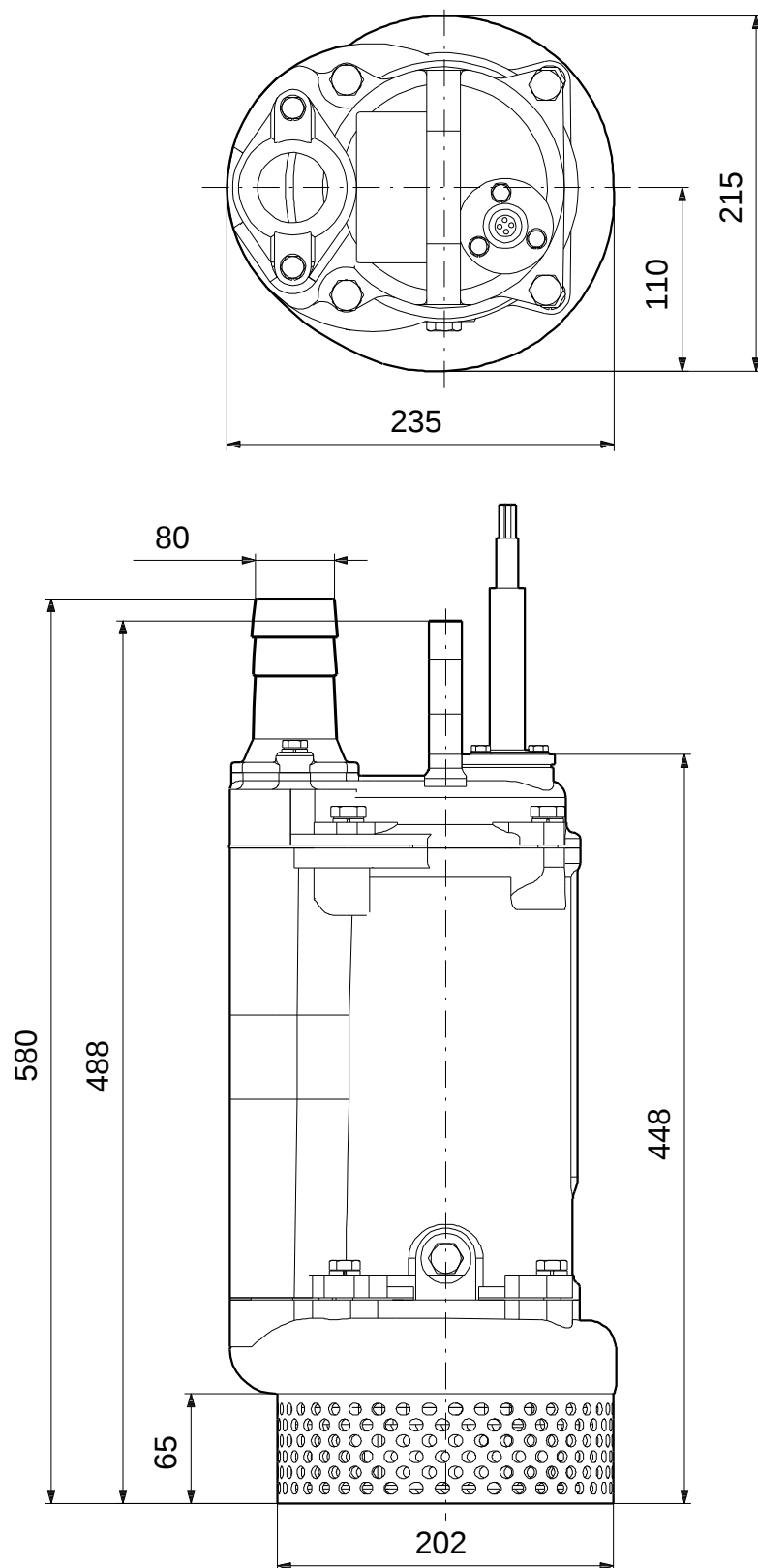
On request DWK.O.6.80.22.5.0D.R 50 Hz



Description	Value
General information:	
Product name:	DWK.O.6.80.22.5.0D.R
Product No:	On request
EAN number:	On request
Technical:	
Max flow:	8.33 l/s
Head min:	11 m
Head max:	22 m
Actual impeller diameter:	140 mm
Type of impeller:	O
Maximum particle size:	6 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:	high-chrome stainless steel DIN W.-Nr. HI-CR
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
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
Controls:	
Seal sensor:	N
Sensor type:	N
Others:	
Net weight:	45 kg



On request DWK.O.6.80.22.5.0D.R 50 Hz



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

Exploded view

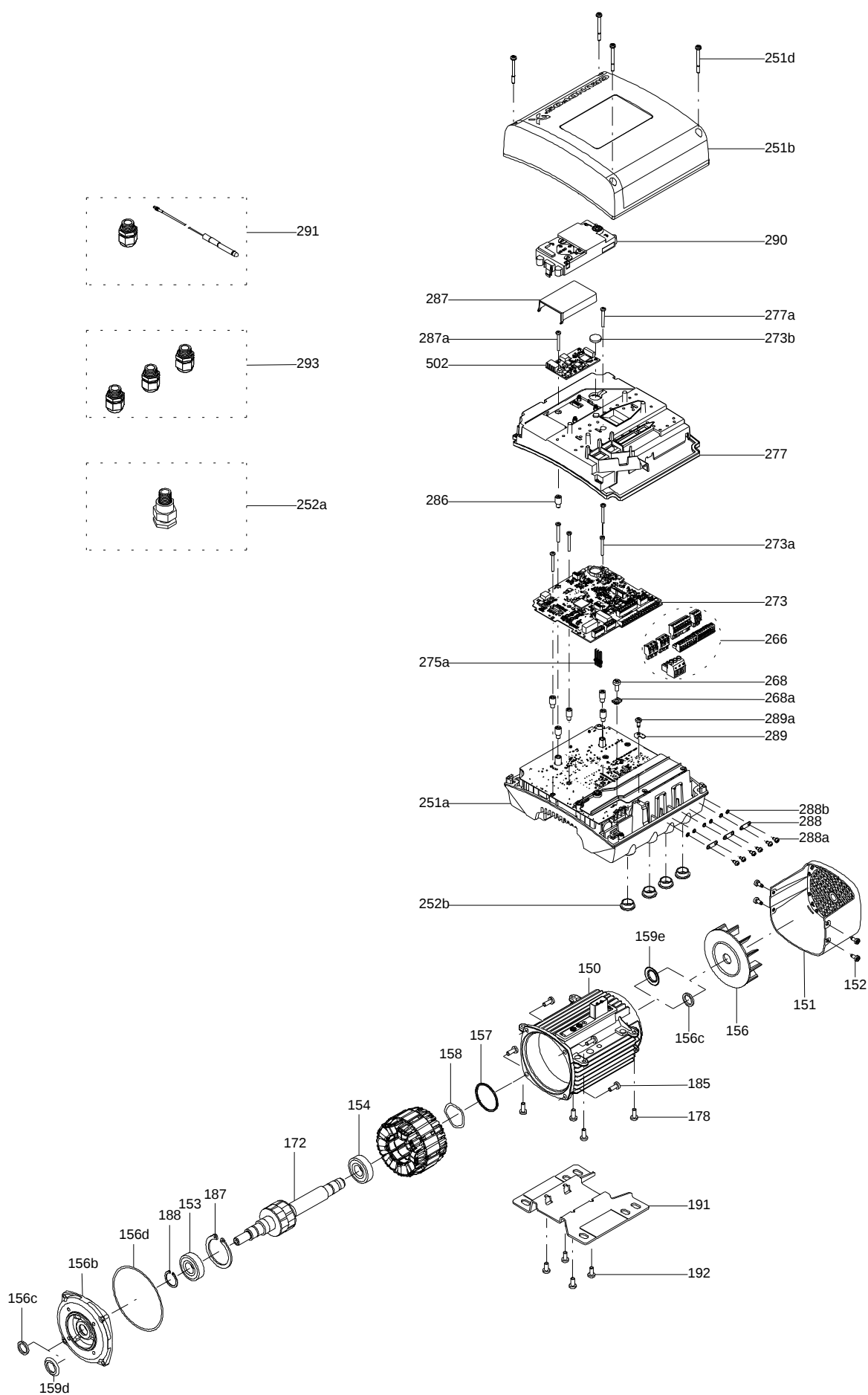


Sectional drawing (TM058200 for TPE2,TPE3)



TM058200

Exploded view (TM057026 for MGE model H/I)



Parts list DWK.O.6.80.22.5.0D.R, Product No. On request
Valid from 1.5.2009 (0918)

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
-	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	
-	Hose				1	pcs
13	Hose coupling				1	
181a	Hex head bolt				2	
188b	Lock washer				2	
-	Cable				1	pcs
	Hex head screw				1	
	Hex head screw				1	
	Nut				1	
	Nut				1	
	Clamp				1	
	Rubber bush				1	
	Cable clamp				1	
168	Stuffing box				1	
168a	Rubber				1	
181	Cable				1	
181a	Screw		Designation: AISI 304		3	
			Length (mm): 16			
			Thread: M6			
181b	Lock washer				3	
	Motor protector				1	pcs
-	Motor assembly				1	pcs
	Bolt				1	
48	Stator				1	
55	Motor housing				1	
59	Bearing cover				1	
60	Bearing housing				1	
60a	Hex head screw				3	
60b	Spring lock washer				3	
102	Stop ring				1	
151	Bracket				1	
153	Ball bearing				1	
154	Ball bearing				1	
154a	Insulation plate				1	
172	Shaft w/rotor				1	
178	Hex head screw				2	
178a	Lock washer				2	
182	Hex head screw				3	
182a	Spring lock washer				3	
183	Hex head bolt				4	
183a	Spring lock washer				4	
184	Hex head bolt				4	
184a	Spring lock washer				4	
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	Hex head screw				3	
84a	Strainer				1	
84b	Lock washer				3	

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
105	Mechanical seal cpl.				1	
188	Cap nut				1	
188a	Hex head screw				3	
188b	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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