

DWK.O.6.50.22.5.0D

Grundfos pump 96922645



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<https://www.lenntech.com/grundfos/DWK000/96922645/DWK-O-6-50-22-5-0D.html>

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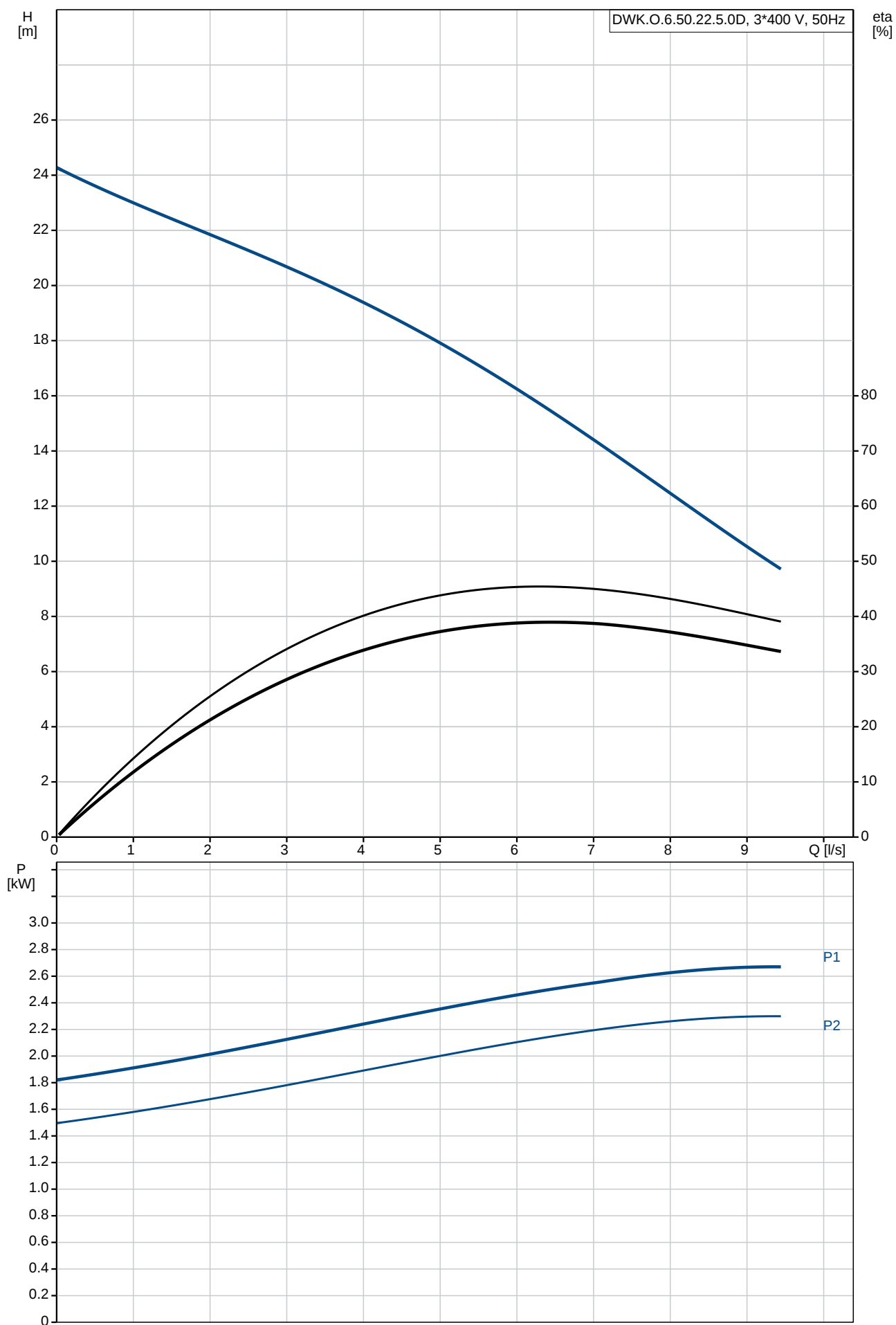
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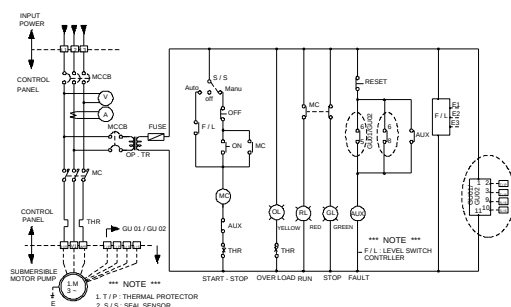
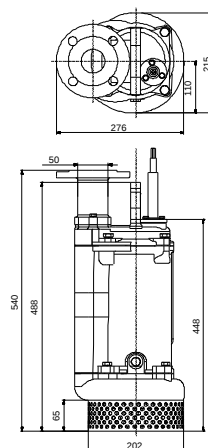
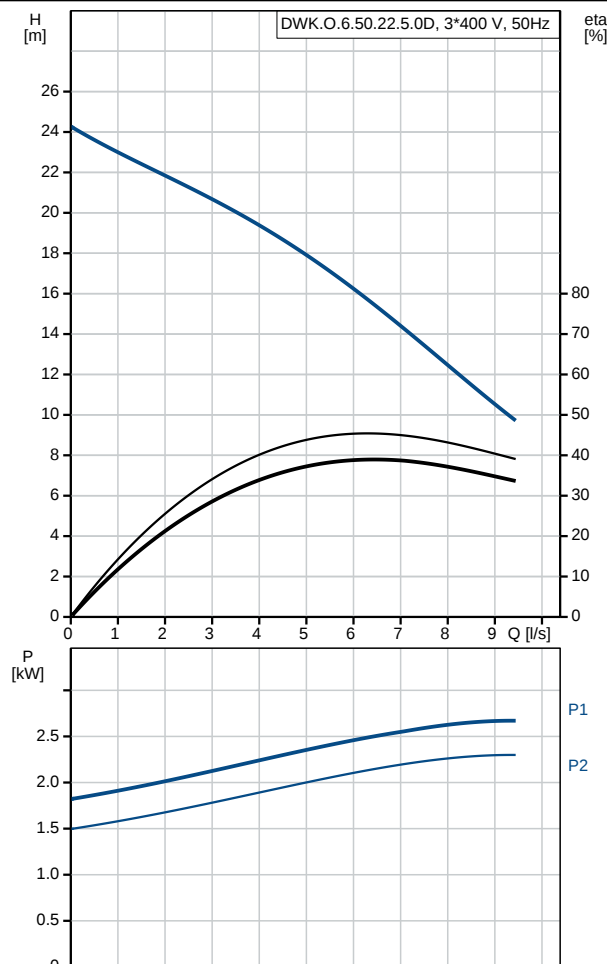
Position	Qty.	Description
	1	DWK.O.6.50.22.5.0D  Product No.: On request Submersible Contractor Pump Grundfos DWK pump is a submersible pump for dewatering and drainage applications. The pump is suitable for pumping ·large quantities of underground and surface water ·drainage water at high head ·water 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. The pump is fitted with suction strainer, lifting handle and 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: 6 mm Primary shaft seal: SIC-SIC Secondary shaft seal: CERAMIC-CARBON Max. hydraulic efficiency: 42 % 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 50 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 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

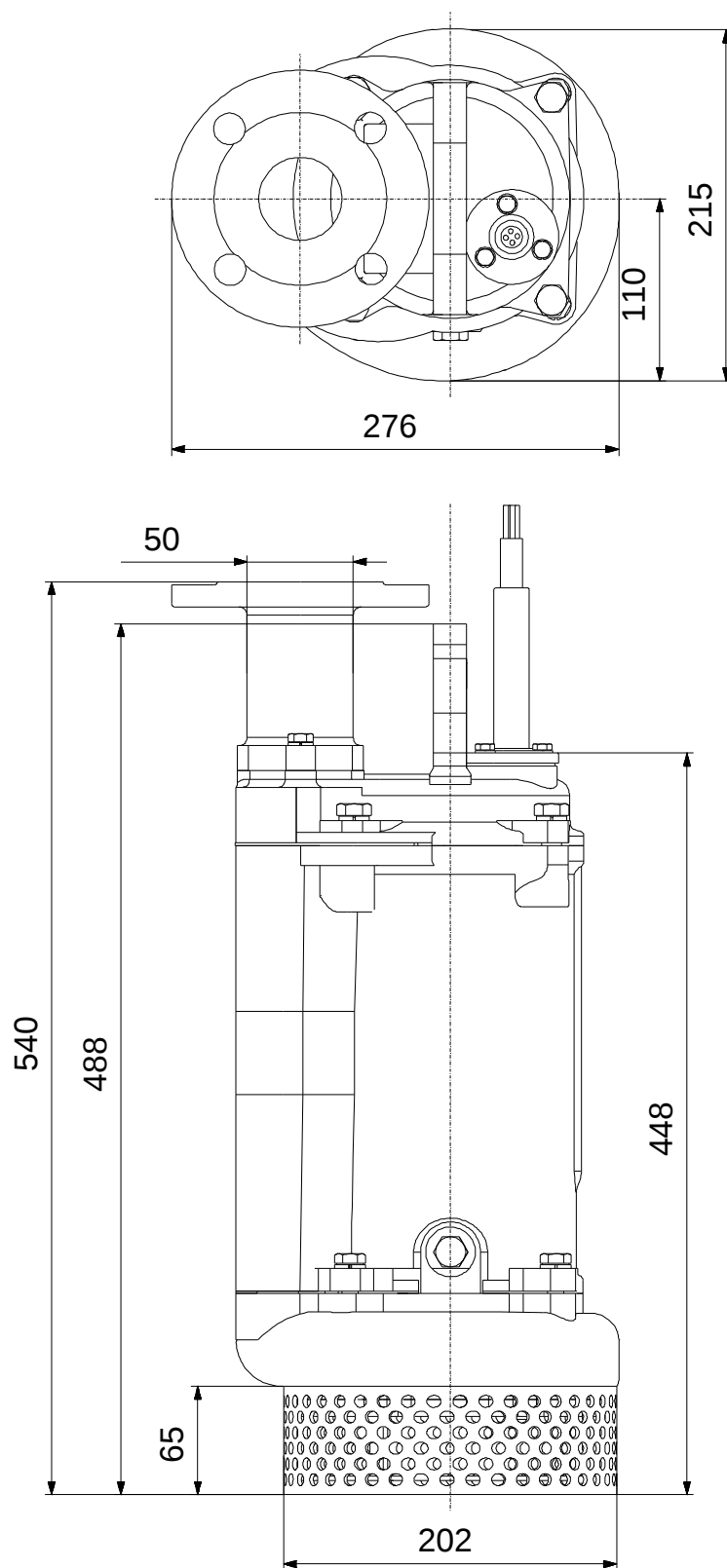
On request DWK.O.6.50.22.5.0D 50 Hz



Description	Value
General information:	
Product name:	DWK.O.6.50.22.5.0D
Product No:	On request
EAN number:	On request
Technical:	
Max flow:	8.61 l/s
Head min:	9.3 m
Head max:	21.9 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:	42 %
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 50
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+2X1MM2
Controls:	
Seal sensor:	N
Sensor type:	N
Others:	
Net weight:	45 kg

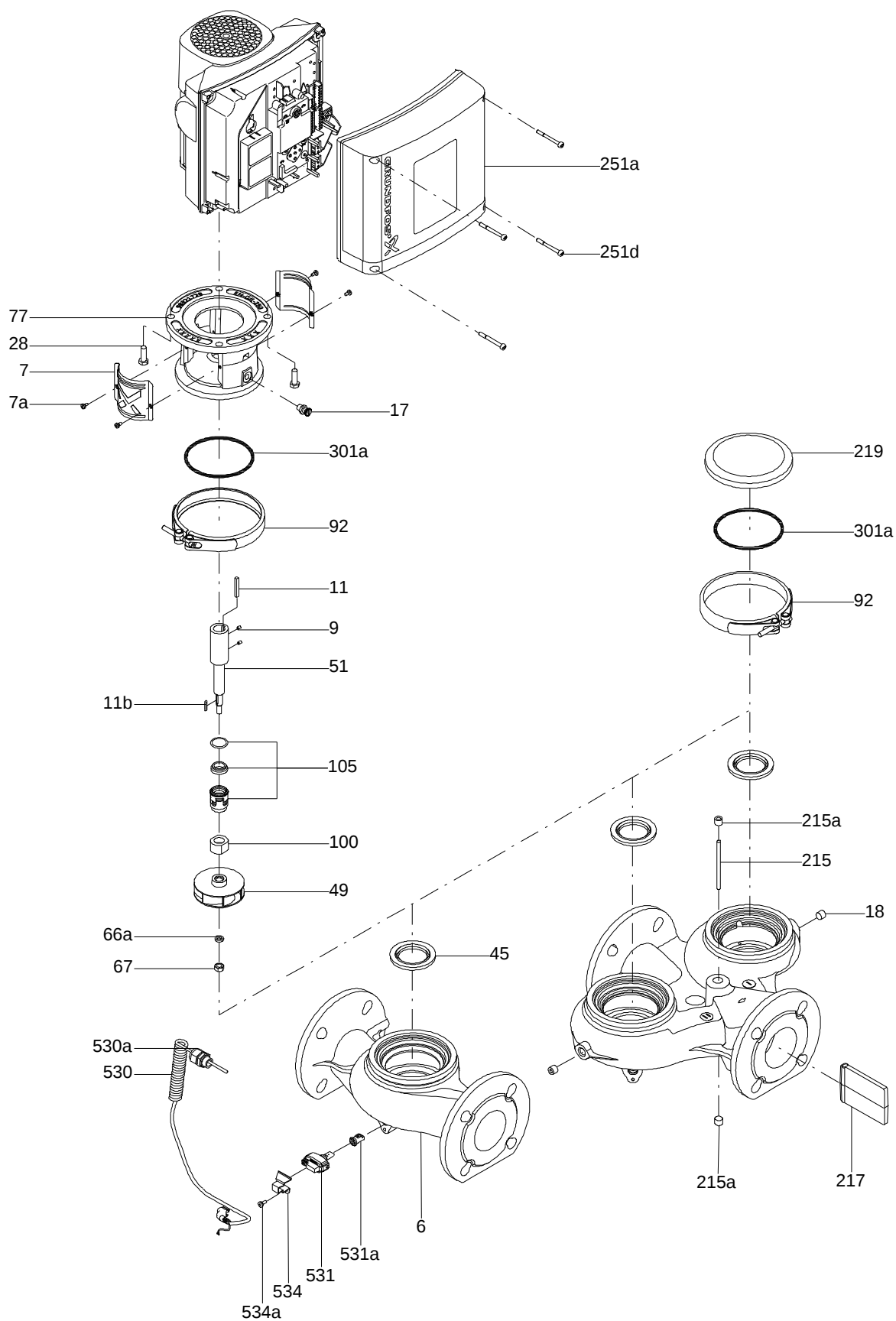


On request DWK.O.6.50.22.5.0D 50 Hz

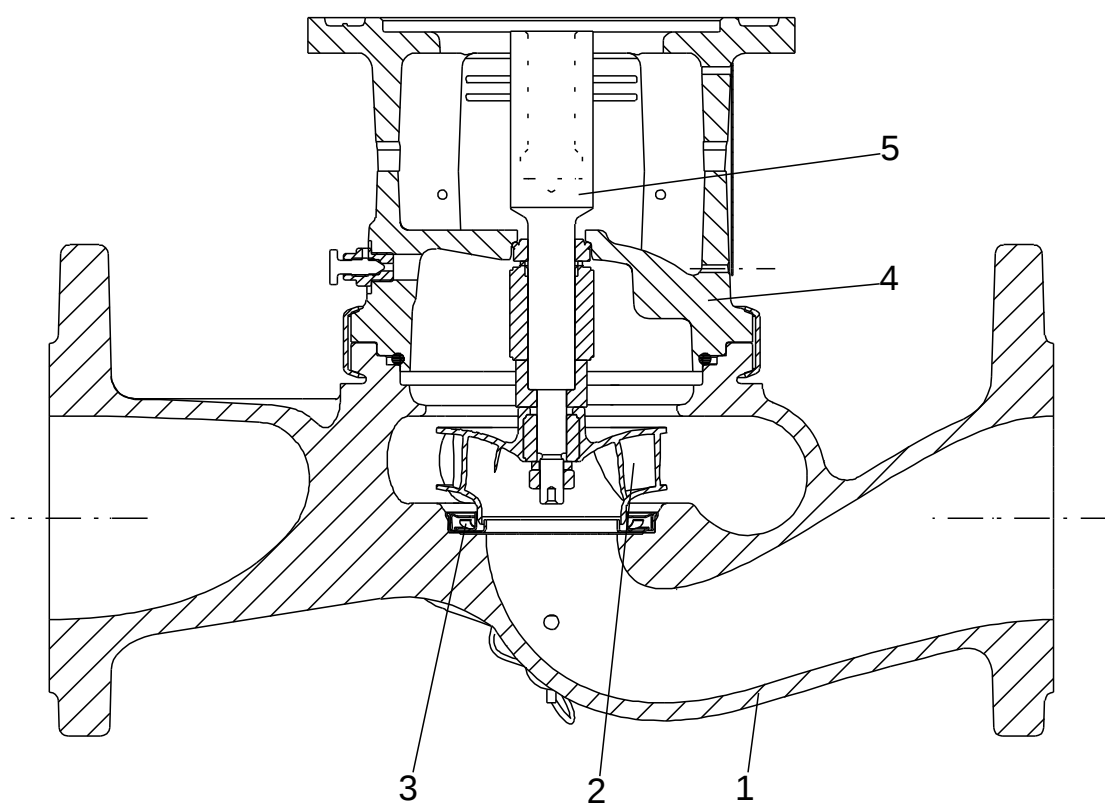


Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

Exploded view

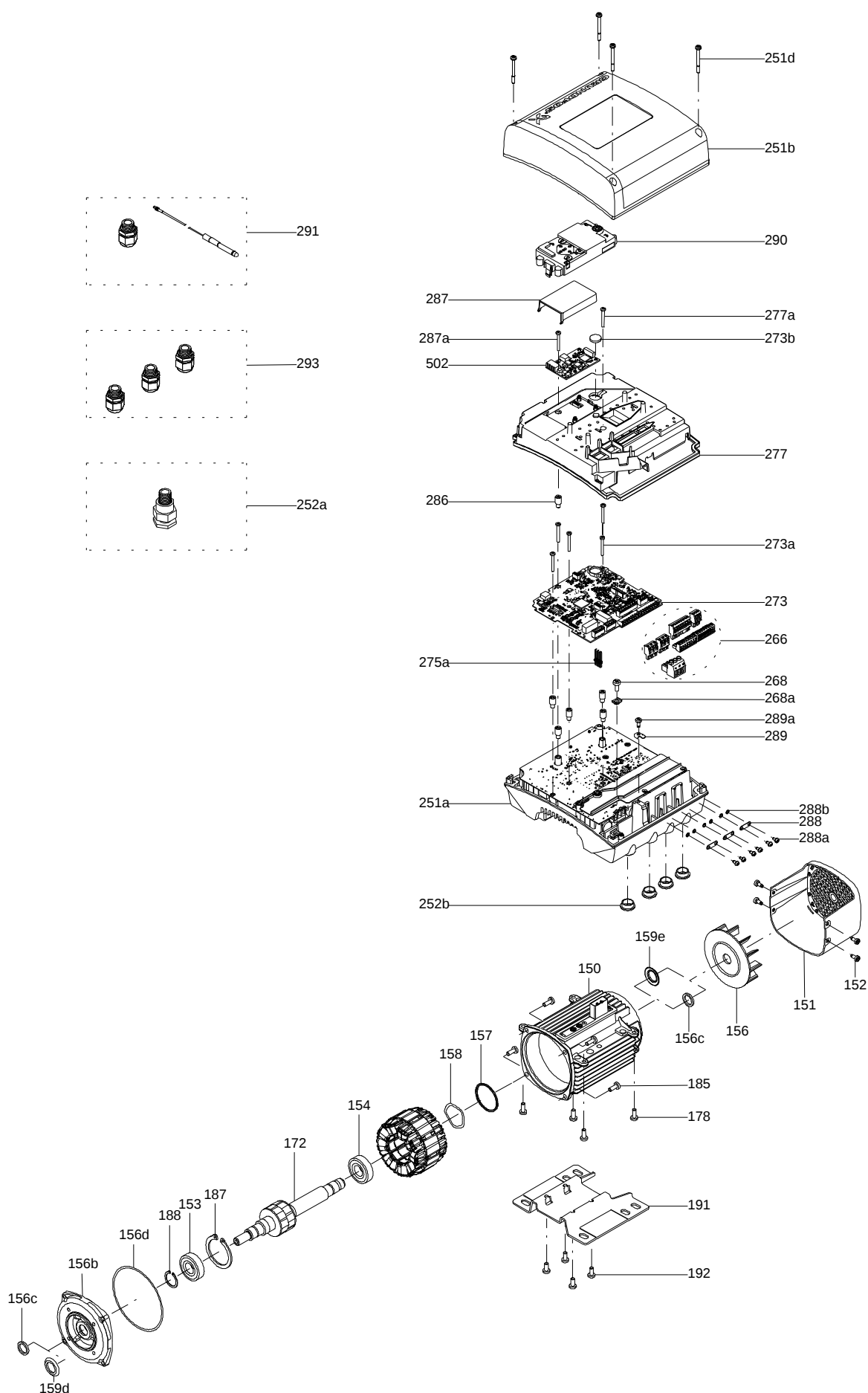


Sectional drawing (TM058200 for TPE2,TPE3)



TM058200

Exploded view (TM057026 for MGE model H/I)



Parts list DWK.O.6.50.22.5.0D, 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 screw				2	
35b	Lock washer				2	
-	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				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	
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	Strainer				1	
84b	Hex head screw				3	
84c	Lock washer				3	
105	Mechanical seal cpl.				1	

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
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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