

DWK.E.10.200.450.5.1D

Grundfos pump 96922674



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<https://www.lenntech.com/grundfos/DWK000/96922674/DWK-E-10-200-450-5-1D.html>

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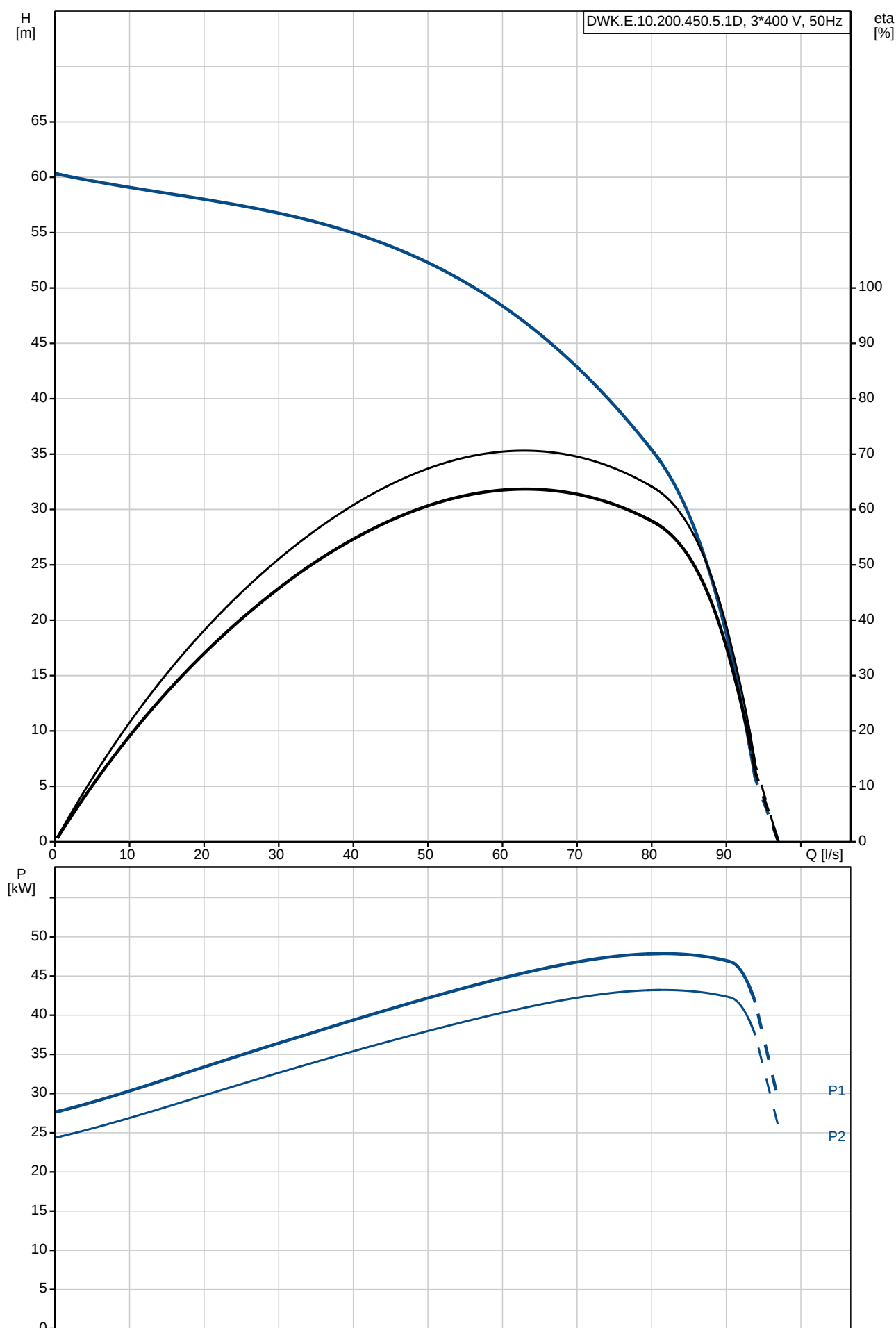
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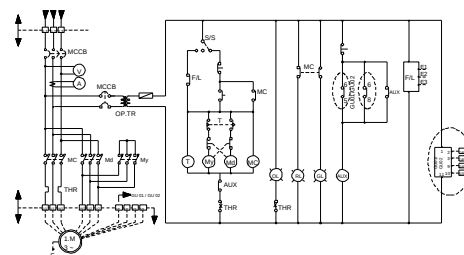
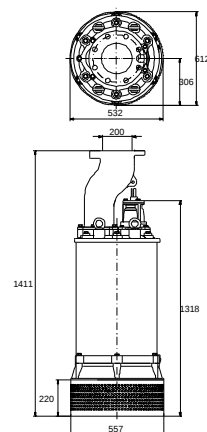
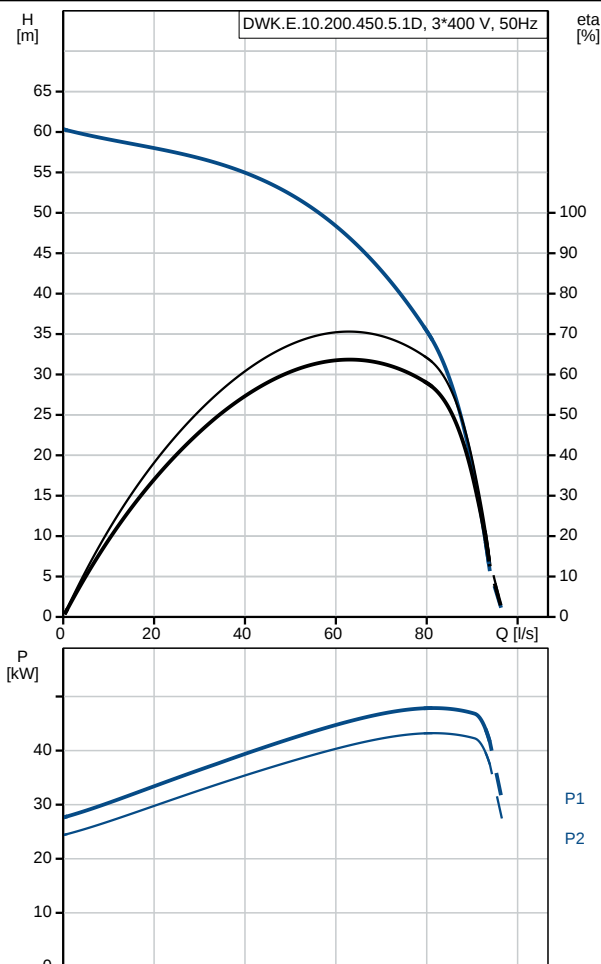
Position	Qty.	Description
	1	DWK.E.10.200.450.5.1D  Note! Product picture may differ from actual product Product No.: On request Submersible Contractor Pump Grundfos DWK pump is a submersible pump for dewatering and drainage applications. The pump is suitable for pumping ·large quantities of underground and surface water ·drainage water at high head ·water with dirt from drainage pits The pump design makes it suitable for both temporary and permanent installation. The pump is cast iron, with vertical discharge port and integrated submersible 3-phase enclosed motor in insulation class F (155°C). The pump has a riser pipe, a cooling jacket for continuous cooling of the motor by the pumped liquid and an enclosed impeller to ensure high efficiency. The pump is equipped with a double mechanical seal and an additional lip seal that protects the shaft and the mechanical seal against abrasives. The pump is fitted with suction strainer and 10 m cable. 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 cable sealing consists of a rubber bushing, epoxy and rubber cover that eliminates the risk of water penetration into the motor. Controls: Seal sensor: Y Liquid: Liquid temperature range: 0 .. 40 °C Density: 998.2 kg/m³ Technical: Actual impeller diameter: 220 mm Type of impeller: E Maximum particle size: 10 mm Primary shaft seal: SIC-SIC Secondary shaft seal: CERAMIC-CARBON Max. hydraulic efficiency: 70 % Curve tolerance: ISO9906:2012 3B

Position	Qty.	Description
		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 200 Maximum installation depth: 25 m Electrical data: Rated power - P2: 45 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Voltage tolerance: +5/-5 % Max starts per. hour: 18 Rated current: 87 A Rated current at 3/4 load: 68 A Rated current at 1/2 load: 51 A Cos phi - power factor: 0.865 Cos phi - p.f. at 3/4 load: 0.833 Cos phi - p.f. at 1/2 load: 0.756 Rated speed: 2850 rpm Motor efficiency at full load: 90.4 % Motor efficiency at 3/4 load: 89.8 % Motor efficiency at 1/2 load: 87.9 % 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: 860 kg

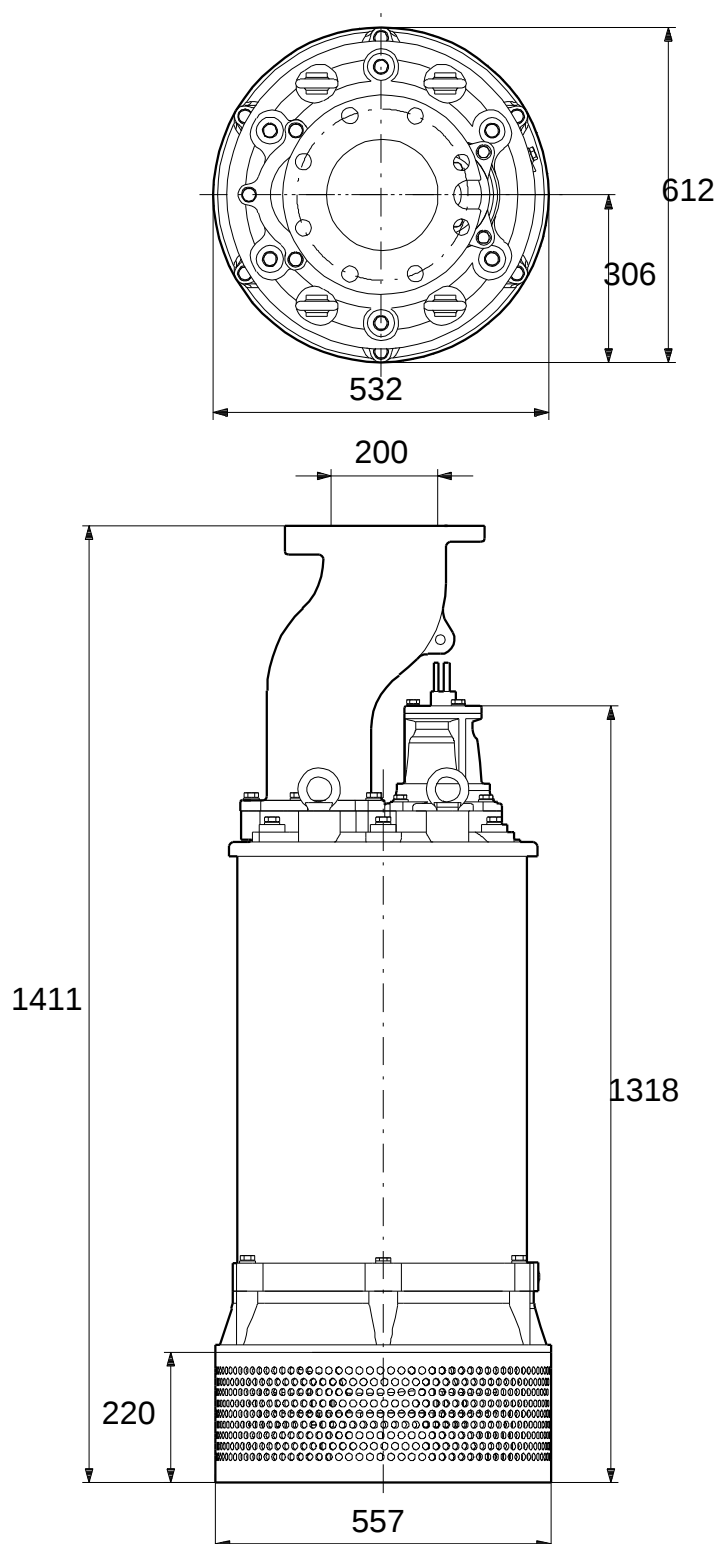
On request DWK.E.10.200.450.5.1D 50 Hz



Description	Value
General information:	
Product name:	DWK.E.10.200.450.5.1D
Product No:	On request
EAN number:	On request
Technical:	
Max flow:	93.1 l/s
Head min:	6 m
Head max:	60 m
Actual impeller diameter:	220 mm
Type of impeller:	E
Maximum particle size:	10 mm
Primary shaft seal:	SIC-SIC
Secondary shaft seal:	CERAMIC-CARBON
Max. hydraulic efficiency:	70 %
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 200
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:	45 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415 V
Voltage tolerance:	+5/-5 %
Max starts per. hour:	18
Rated current:	87 A
Rated current at 3/4 load:	68 A
Rated current at 1/2 load:	51 A
Cos phi - power factor:	0.865
Cos phi - p.f. at 3/4 load:	0.833
Cos phi - p.f. at 1/2 load:	0.756
Rated speed:	2850 rpm
Motor efficiency at full load:	90.4 %
Motor efficiency at 3/4 load:	89.8 %
Motor efficiency at 1/2 load:	87.9 %
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:	7X16.0MM2+6X1.5MM2
Controls:	
Seal sensor:	Y
Sensor type:	BI-METAL
Others:	
Net weight:	860 kg



On request DWK.E.10.200.450.5.1D 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.E.10.200.450.5.1D, Product No. On request
Valid from 1.5.2009 (0918)

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
50	Pump housing				1	pcs
55	Frame				1	pcs
60	Bearing housing				1	pcs
84a	Strainer				1	pcs
151	Bracket				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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