

DP10.65.26.Ex.2.50B

Grundfos pump 96106543



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<https://www.lenntech.com/grundfos/DPFAM/96106543/DP10-65-26-EX-2-50B.html>

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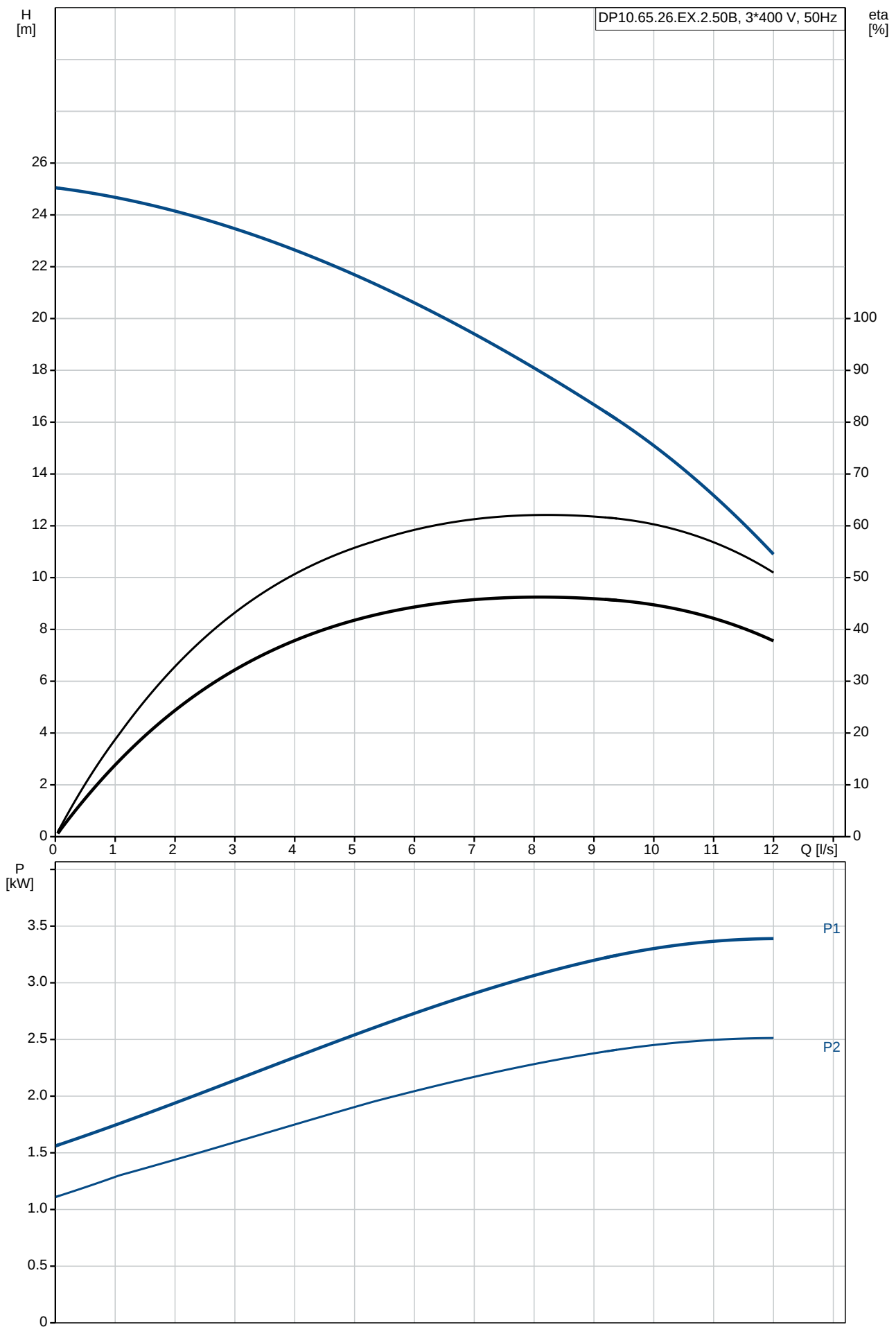
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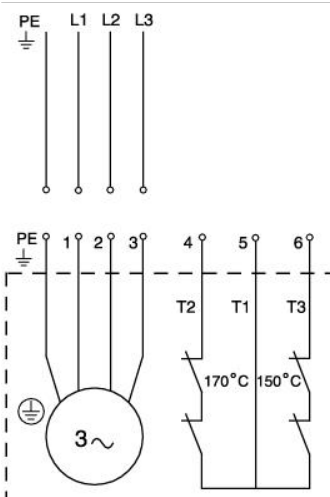
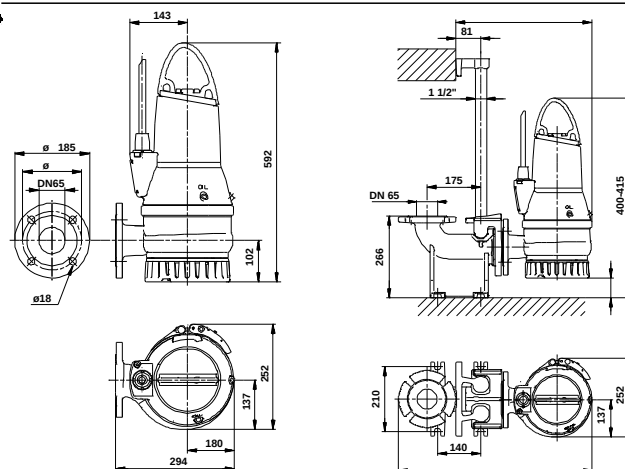
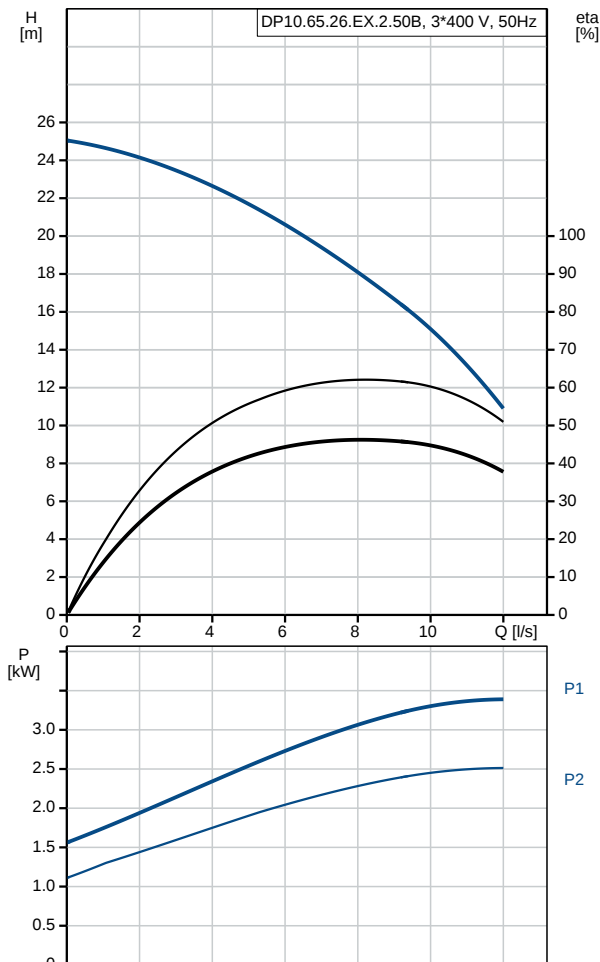
Position	Qty.	Description																										
	1	 Product No.: On request GRUNDFOS DP pump is a portable pump for both domestic and industrial applications. The pump has a multi-vane, semi-open impeller for 10 mm free passage and is suitable for pumping • drainage and surface water • groundwater • industrial process water without solids and fibres. The compact design makes the pump suitable for both temporary and permanent installation. The pump is a cast iron submersible pump with integrated submersible explosion-proof 3-phase motor. Approvals: LGA, ATEX The pump has an intermediate oil chamber pre-filled with non-toxic special oil. The pump is fitted with a cable plug for easy dismantling. This plug is hermetically sealed with polyurethane to prevent water from penetrating through the cable into the motor. A clamp between pump housing and motor ensures easy and safe dismantling and assembly. Inspection can be done in the field without any special tools. The pump is fitted with a double shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal very quickly in the field without any special tools. It also eliminates the risk of faulty installation. The motor is insulation class F and has long-life, deep-groove, greased-for-life ball bearings. The pump has DN 65 discharge port and is ready for installation either free-standing or on an auto-coupling system. Controls: <table><tr><td>Moisture sensor:</td><td>without moisture sensors</td></tr><tr><td>Water-in-oil sensor:</td><td>without water-in-oil sensor</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>Type of impeller:</td><td>SEMI OPEN</td></tr><tr><td>Maximum particle size:</td><td>10 mm</td></tr><tr><td>Primary shaft seal:</td><td>SIC/SIC</td></tr><tr><td>Secondary shaft seal:</td><td>CARBON/CERAMIC</td></tr><tr><td>Max. hydraulic efficiency:</td><td>63 %</td></tr><tr><td>Approvals on nameplate:</td><td>LGA, ATEX</td></tr><tr><td>Curve tolerance:</td><td>ISO9906:2012 3B2</td></tr></table> Materials: <table><tr><td>Pump housing:</td><td>Cast iron EN-GJL-200</td></tr><tr><td>Impeller:</td><td>Cast iron EN-GJS-500-7</td></tr></table> Installation:	Moisture sensor:	without moisture sensors	Water-in-oil sensor:	without water-in-oil sensor	Liquid temperature range:	0 .. 40 °C	Density:	998.2 kg/m³	Type of impeller:	SEMI OPEN	Maximum particle size:	10 mm	Primary shaft seal:	SIC/SIC	Secondary shaft seal:	CARBON/CERAMIC	Max. hydraulic efficiency:	63 %	Approvals on nameplate:	LGA, ATEX	Curve tolerance:	ISO9906:2012 3B2	Pump housing:	Cast iron EN-GJL-200	Impeller:	Cast iron EN-GJS-500-7
Moisture sensor:	without moisture sensors																											
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Impeller:	Cast iron EN-GJS-500-7																											

Position	Qty.	Description
		Maximum ambient temperature: 40 °C Maximum operating pressure: 6 bar Flange standard: DIN Pump outlet: DN 65 Pressure rating: PN 10 Maximum installation depth: 10 m Electrical data: Power input - P1: 3.5 kW Rated power - P2: 2.6 kW Mains frequency: 50 Hz Rated voltage: 3 x 400-415 V Voltage tolerance: +6/-10 % Max starts per. hour: 30 Rated current: 5.8 A Rated current at 3/4 load: 4.5 A Rated current at 1/2 load: 3.5 A Starting current: 33 A Rated current at no load: 2.8 A Cos phi - power factor: 0.87 Cos phi - p.f. at 3/4 load: 0.81 Cos phi - p.f. at 1/2 load: 0.68 Rated speed: 2870 rpm Locked-rotor torque: 19 Nm Breakdown torque: 24 Nm Moment of inertia: 0.007 kg m² Motor efficiency at full load: 74 % Motor efficiency at 3/4 load: 75 % Motor efficiency at 1/2 load: 74 % Number of poles: 2 Start. method: direct-on-line Enclosure class (IEC 34-5): IP68 Insulation class (IEC 85): F Explosion proof: yes Ex-protection standard: EN50014/EN50018, class EEx d IIB T4 Length of cable: 10 m Cable type: H07RN-F Type of cable plug: NO PLUG Others: Net weight: 61 kg Danish VVS No.: 391291553

On request DP10.65.26.EX.2.50B 50 Hz

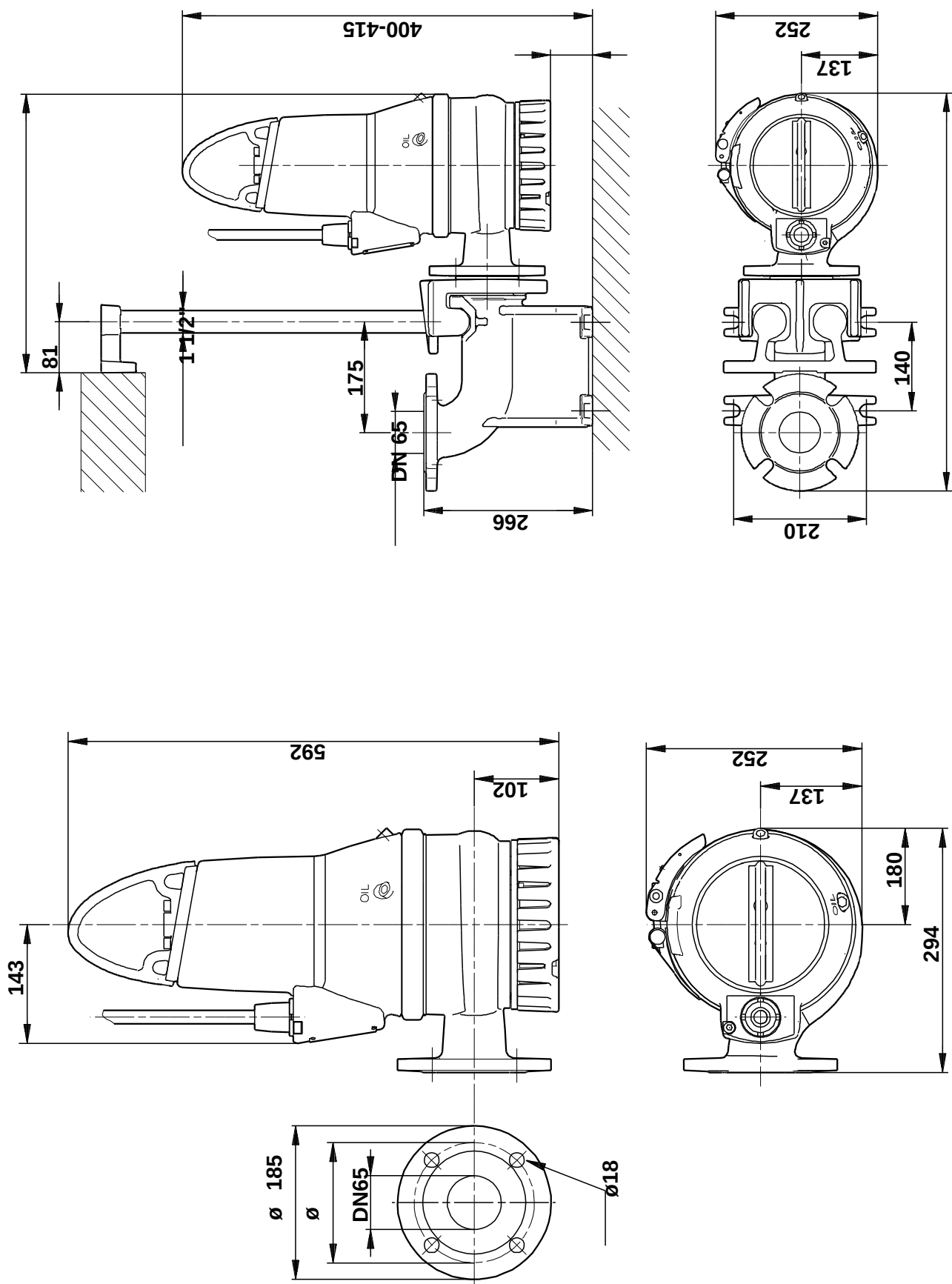


Description	Value
General information:	
Product name:	DP10.65.26.EX.2.50B
Product No:	On request
EAN number:	On request
Technical:	
Max flow:	12.8 l/s
Head max:	25.1 m
Type of impeller:	SEMI OPEN
Maximum particle size:	10 mm
Primary shaft seal:	SIC/SIC
Secondary shaft seal:	CARBON/CERAMIC
Max. hydraulic efficiency:	63 %
Approvals on nameplate:	LGA, ATEX
Curve tolerance:	ISO9906:2012 3B2
Materials:	
Pump housing:	Cast iron
	EN-GJL-200
Impeller:	Cast iron
	EN-GJS-500-7
Installation:	
Maximum ambient temperature:	40 °C
Maximum operating pressure:	6 bar
Flange standard:	DIN
Pump outlet:	DN 65
Pressure rating:	PN 10
Maximum installation depth:	10 m
Inst dry/wet:	S
Installation:	vertical
Liquid:	
Liquid temperature range:	0 .. 40 °C
Density:	998.2 kg/m ³
Electrical data:	
Power input - P1:	3.5 kW
Rated power - P2:	2.6 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 400-415 V
Voltage tolerance:	+6/-10 %
Max starts per. hour:	30
Rated current:	5.8 A
Rated current at 3/4 load:	4.5 A
Rated current at 1/2 load:	3.5 A
Starting current:	33 A
Rated current at no load:	2.8 A
Cos phi - power factor:	0.87
Cos phi - p.f. at 3/4 load:	0.81
Cos phi - p.f. at 1/2 load:	0.68
Rated speed:	2870 rpm
Locked-rotor torque:	19 Nm
Breakdown torque:	24 Nm
Moment of inertia:	0.007 kg m ²
Motor efficiency at full load:	74 %
Motor efficiency at 3/4 load:	75 %
Motor efficiency at 1/2 load:	74 %
Number of poles:	2
Start. method:	direct-on-line
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	F
Explosion proof:	yes
Ex-protection standard:	EN50014/EN50018, class EEx d IIB T4
Motor protec:	THERMAL SWITCH
Thermal protec:	internal
Length of cable:	10 m
Cable type:	H07RN-F



Description	Value
Type of cable plug:	NO PLUG
Controls:	
Control box:	not included
Additional I/O:	External
Moisture sensor:	without moisture sensors
Water-in-oil sensor:	without water-in-oil sensor
Others:	
Net weight:	61 kg
Danish VVS No.:	391291553

On request DP10.65.26.EX.2.50B 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 DP10.65.26.EX.2.50B, Product No. On request
Valid from 1.8.2004 (0431)

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
6a	Pin				1	pcs
7a	Rivet				4	pcs
9a	Key				1	pcs
26.a	O-ring		Diameter: 32 Material type: NBR Thickness: 4		1	pcs
37	O-ring		Diameter: 204 Material type: NBR Thickness: 3		1	pcs
37a	O-ring		Diameter: 144.3 Material type: NBR Thickness: 5.7		2	pcs
37b	O-ring		Diameter: 155 Material type: NBR Thickness: 4		1	pcs
49	Impeller				1	pcs
50	Pump housing				1	pcs
58	Retainer for seal ring				1	pcs
66	Wedge lock washer		Designation: M8 A4		2	pcs
66b	Washer		Internal diameter: 8.4 Outer diameter: 16 Thickness: 1.6		3	pcs
76	Nameplate				1	pcs
84	Strainer				1	pcs
92	Strap cpl.				1	pcs
102	O-ring		Diameter: 17.3 Material type: NBR Thickness: 2.4		1	pcs
- 105	Shaft seal				1	pcs
	Shaft seal				1	
	Shaft seal				1	
	Shaft seal				1	
	Retaining ring				1	
	Shaft seal, rotating part				1	
	Shaft seal, rotating part				1	
	Shaft seal, stationary part				1	
	Shaft seal, stationary part				1	
106	O-ring		Diameter: 50 Material type: NBR Thickness: 3		2	
107	O-ring		Diameter: 90 Material type: NBR Thickness: 4		1	pcs
112a	Retaining ring				1	pcs
- 150a	Stator w/housing cpl.				1	pcs
	Cover				1	
	Flex insulation				0	
48	Stator		Winding resistance: 2,28		1	
55	Stator housing				1	
66	Wedge lock washer		Designation: M8 A4		1	
159	O-ring		Diameter: Å 52 Material type: NBR Thickness: 3		1	
173	Cross recess Pan head screw		Designation: CROSS-HEAD SCREW		1	
173a	Lock washer				1	
- 176	Plug				1	
	Pin connector				1	
188.a	Hex socket head cap screw		Length (mm): 25 Thread: M8		1	

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
1031	Connector pin				6	
153	Ball bearing		Designation: 3205.2ZR		1	pcs
153a	Lock washer				1	pcs
153b	Retaining ring				1	pcs
154	Ball bearing		Designation: 6205.2Z.C4.SYN		1	pcs
155	Oil chamber				1	pcs
158	Waved washer				1	pcs
162	Suction cover				1	pcs
172	Shaft w/rotor				1	pcs
- 181	Cable Ex				1	pcs
198	O-ring		Diameter: 34.2		1	
			Material type: NBR			
			Thickness: 3			
188.a	Hex socket head cap screw		Length (mm): 25		9	pcs
			Thread: M8			
188b	Hex socket head cap screw		Designation: INNER HEXAGON		3	pcs
			Length (mm): 25			
			Thread: M8			
188c	Hex socket head cap screw		Designation: INNER HEXAGON		3	pcs
189	Socket set screw		Designation: INNER HEXAGON		3	pcs
			Length (mm): 12			
			Thread: M12			
190	Lifting bracket				1	pcs
193	Hex socket head cap screw		Designation: A2-70		2	pcs
			Length (mm): 20			
			Thread: M12			
193a	Oil				0	L
194	Washer		Internal diameter: 19		2	pcs
			Outer diameter: 12.2			
			Thickness: 4.4			

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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