

DP10.50.09.Ex.2.50B

Grundfos Pump 96104205



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<https://www.lenntech.com/grundfos/DPFAM/96104205/DP10-50-09-EX-2-50B.html>

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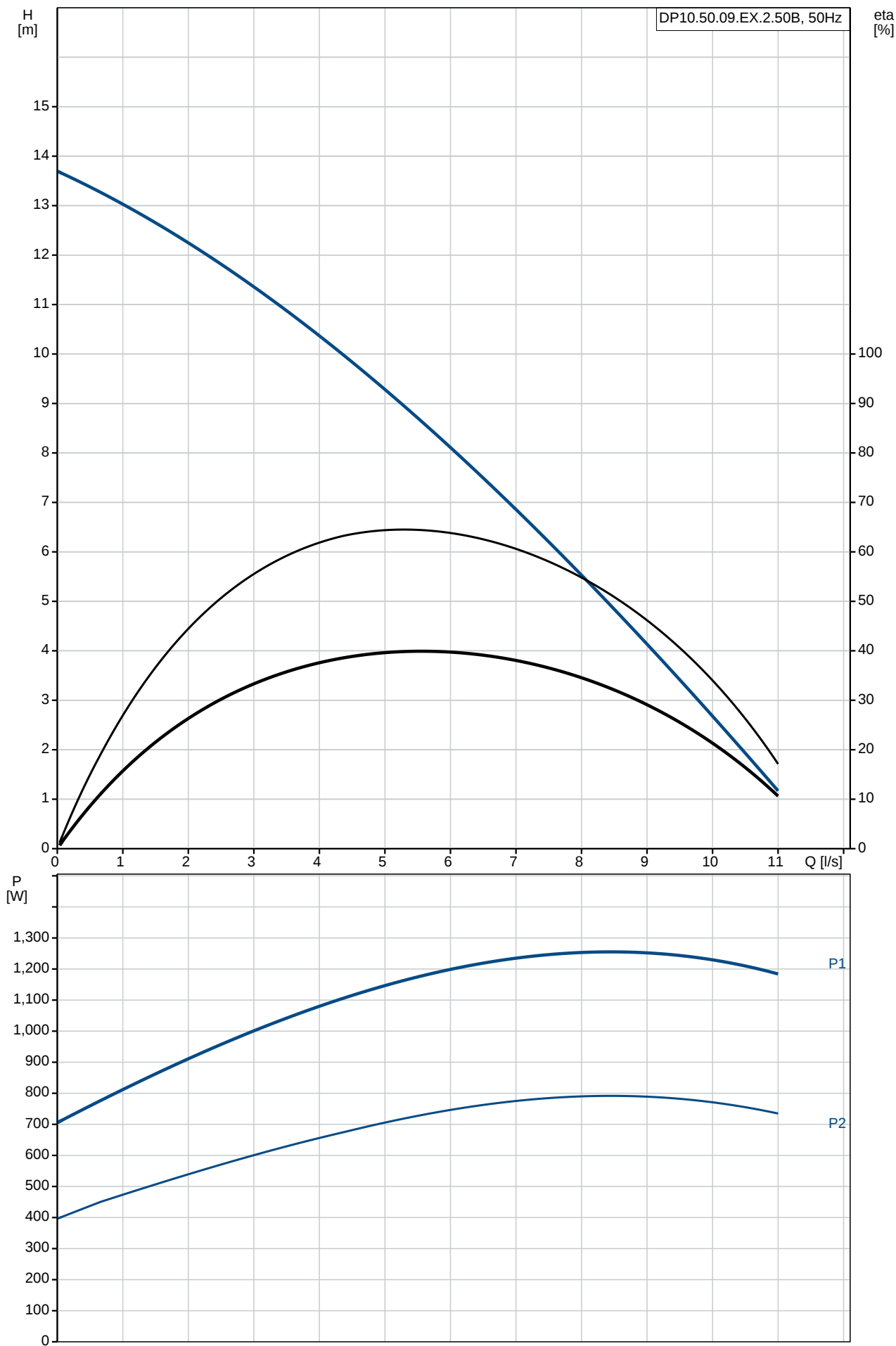
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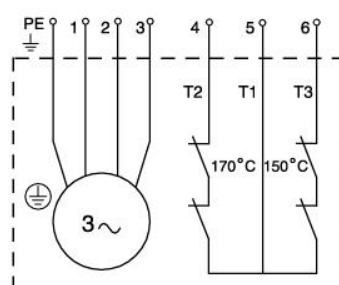
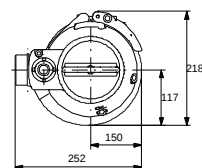
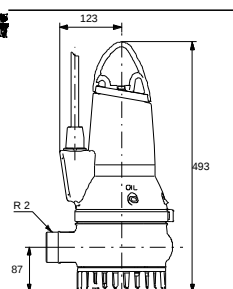
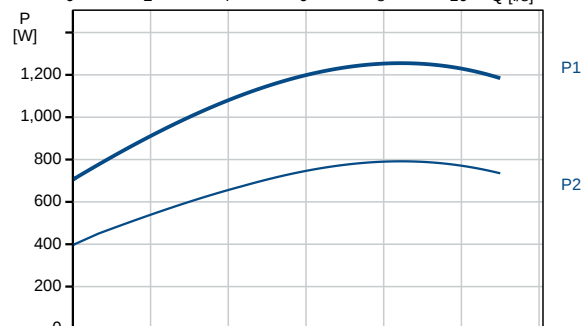
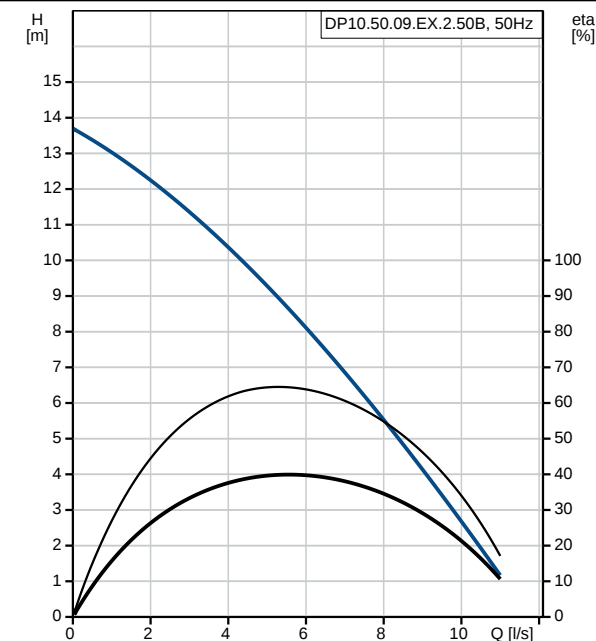
Position	Qty.	Description																								
	1	 Note! Product picture may differ from actual product Product No.: 96104205 GRUNDFOS DP pump is a portable pump for both domestic and industrial applications. The pump has a multi-vane, semi-open impeller for 10 mm free passage and is suitable for 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 R 2 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>LIPSEAL</td></tr><tr><td>Max. hydraulic efficiency:</td><td>65 %</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</td></tr></table>	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:	LIPSEAL	Max. hydraulic efficiency:	65 %	Approvals on nameplate:	LGA, ATEX	Curve tolerance:	ISO9906:2012 3B2	Pump housing:	Cast iron
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Position	Qty.	Description
		EN-GJL-200 Impeller: Cast iron EN-GJS-500-7 Installation: Maximum ambient temperature: 40 °C Maximum operating pressure: 6 bar Pump outlet: R 2 Maximum installation depth: 10 m Electrical data: Power input - P1: 1.4 kW Rated power - P2: 0.9 kW Mains frequency: 50 Hz Rated voltage: 3 x 400-415 V Voltage tolerance: +6/-10 % Max starts per. hour: 30 Rated current: 2.8 A Rated current at 3/4 load: 2.5 A Rated current at 1/2 load: 2.1 A Starting current: 21 A Rated current at no load: 1.9 A Cos phi - power factor: 0,76 Cos phi - p.f. at no load: 0,29 Cos phi - p.f. at 3/4 load: 0,68 Cos phi - p.f. at 1/2 load: 0,58 Rated speed: 2870 rpm Locked-rotor torque: 11 Nm Breakdown torque: 12 Nm Moment of inertia: 0.0033 kg m² Motor efficiency at full load: 65 % Motor efficiency at 3/4 load: 61 % Motor efficiency at 1/2 load: 58 % 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: 39 kg

96104205 DP10.50.09.EX.2.50B 50 Hz

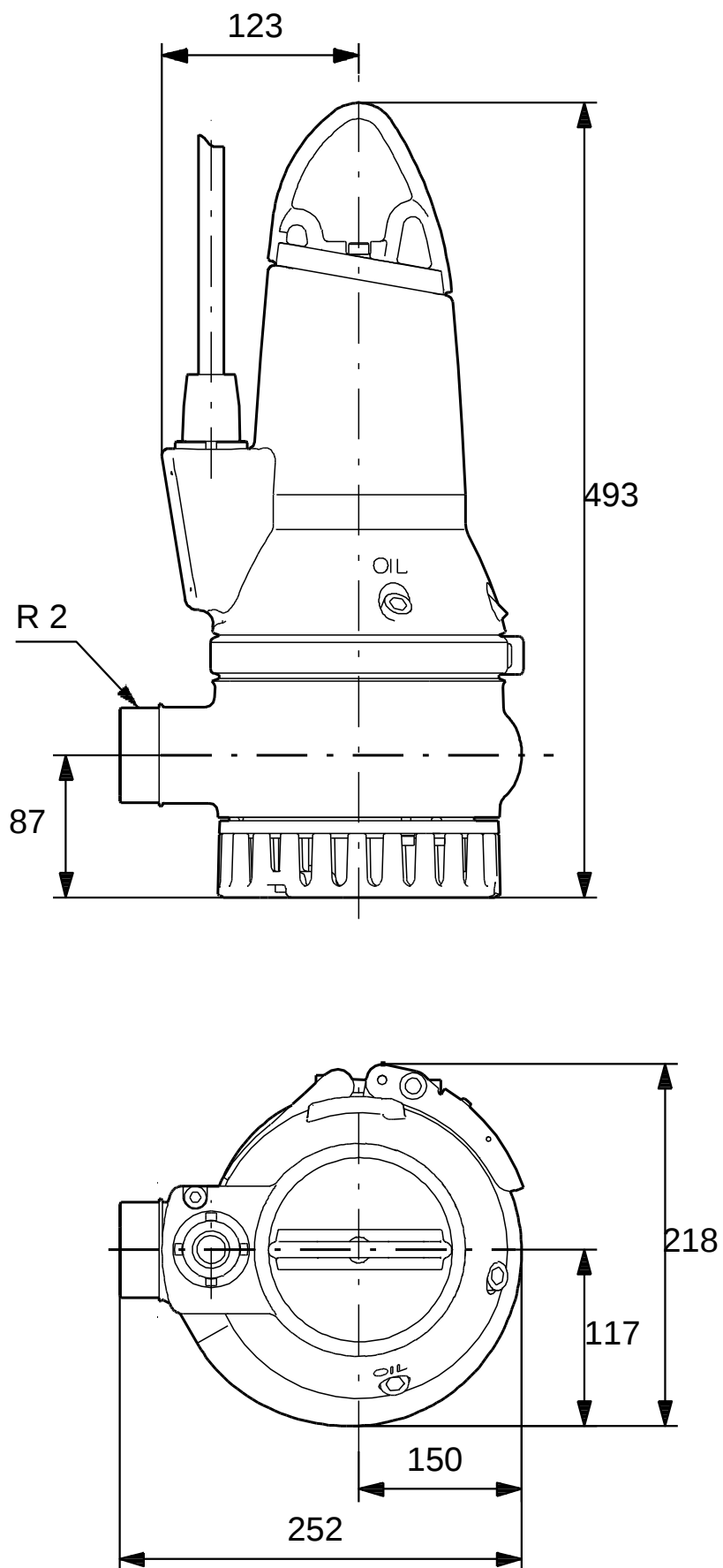


Description	Value
General information:	
Product name:	DP10.50.09.EX.2.50B
Product No:	96104205
EAN number:	5700396852683
Technical:	
Max flow:	11.8 l/s
Head max:	13.8 m
Type of impeller:	SEMI OPEN
Maximum particle size:	10 mm
Primary shaft seal:	SIC/SIC
Secondary shaft seal:	LIPSEAL
Max. hydraulic efficiency:	65 %
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
Pump outlet:	R 2
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:	1.4 kW
Rated power - P2:	0.9 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 400-415 V
Voltage tolerance:	+6/-10 %
Max starts per. hour:	30
Rated current:	2.8 A
Rated current at 3/4 load:	2.5 A
Rated current at 1/2 load:	2.1 A
Starting current:	21 A
Rated current at no load:	1.9 A
Cos phi - power factor:	0,76
Cos phi - p.f. at no load:	0,29
Cos phi - p.f. at 3/4 load:	0,68
Cos phi - p.f. at 1/2 load:	0,58
Rated speed:	2870 rpm
Locked-rotor torque:	11 Nm
Breakdown torque:	12 Nm
Moment of inertia:	0.0033 kg m ²
Motor efficiency at full load:	65 %
Motor efficiency at 3/4 load:	61 %
Motor efficiency at 1/2 load:	58 %
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
Type of cable plug:	NO PLUG



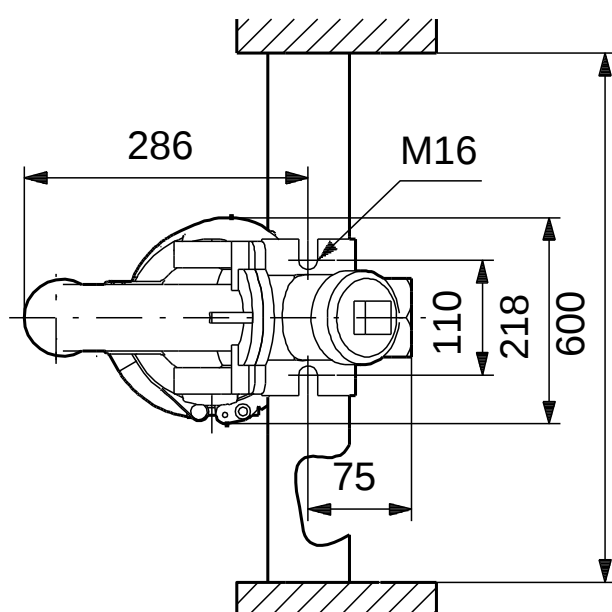
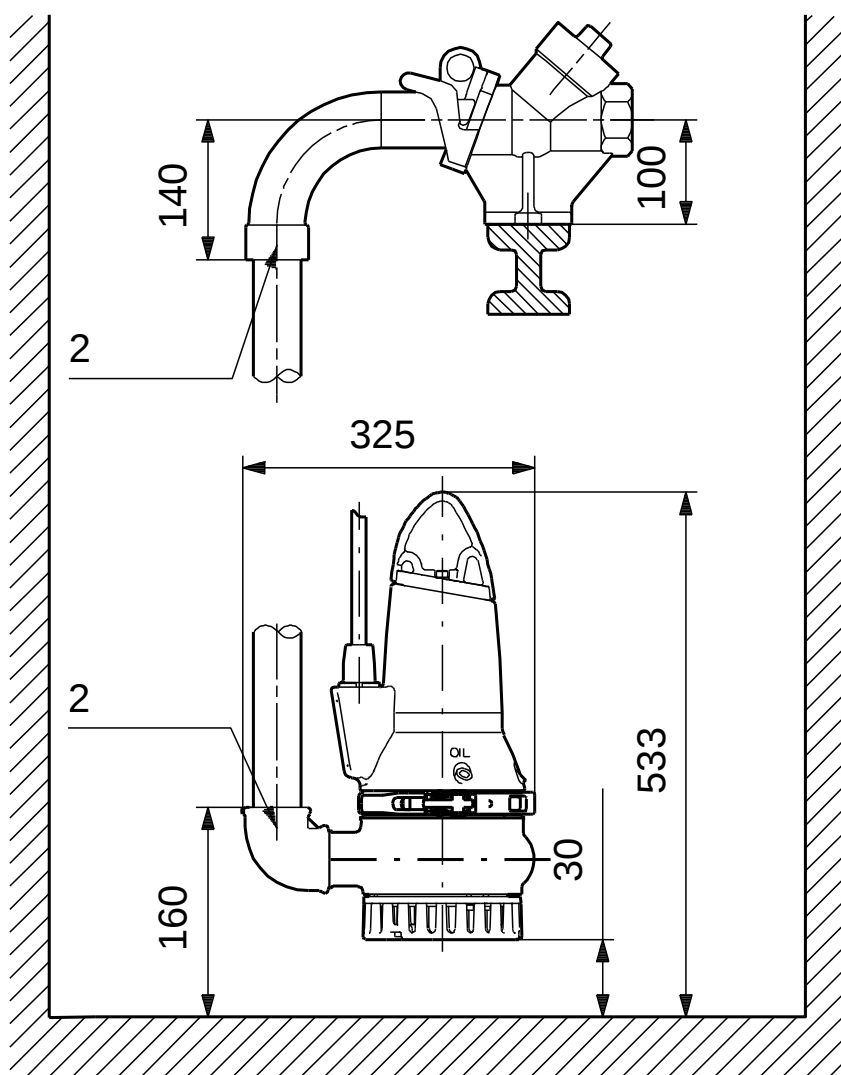
Description	Value
Controls:	
Control box:	not included
Additional I/O:	External
Moisture sensor:	without moisture sensors
Water-in-oil sensor:	without water-in-oil sensor
Others:	
Net weight:	39 kg

96104205 DP10.50.09.EX.2.50B 50 Hz



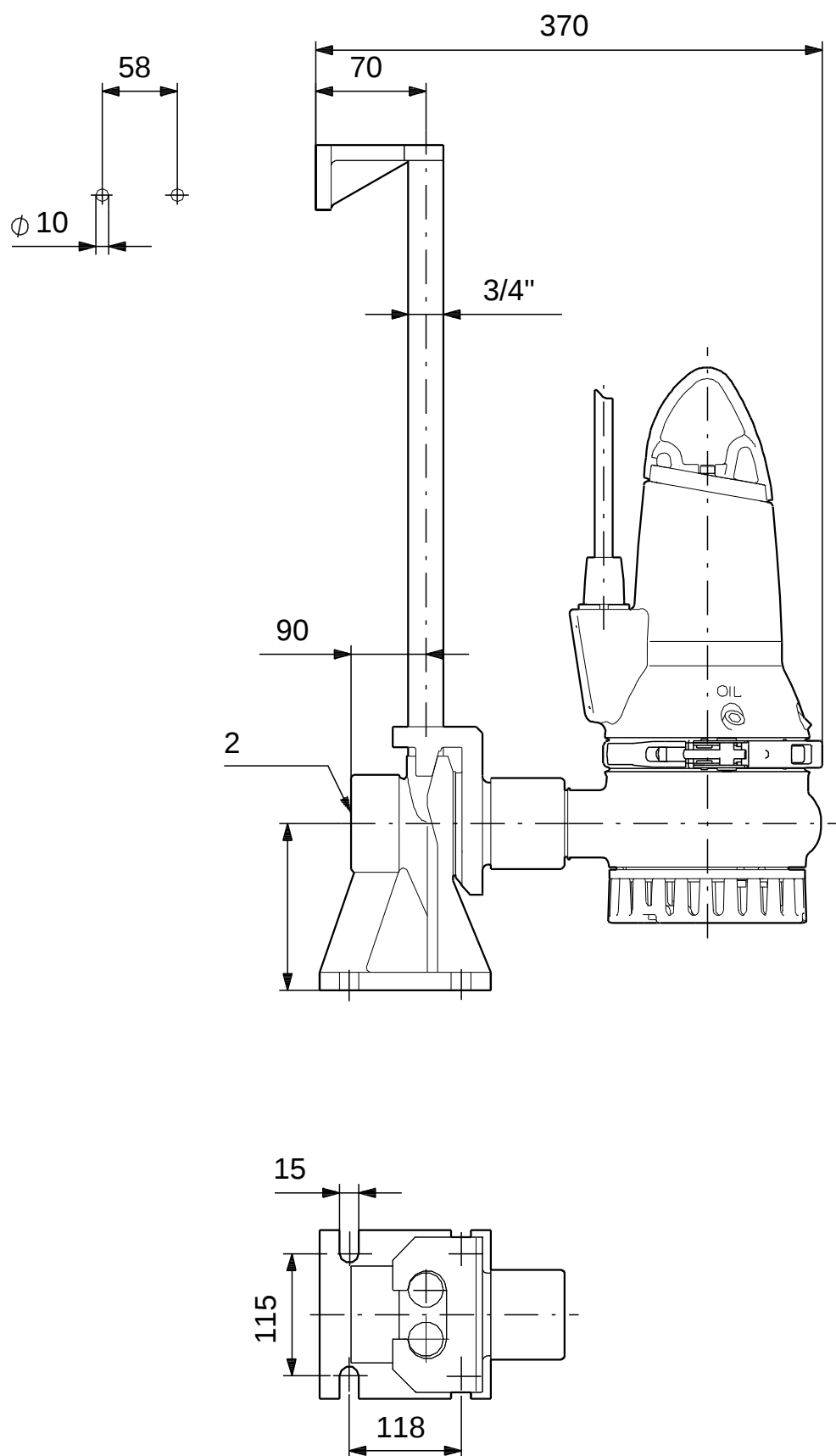
Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

96104205 DP10.50.09.EX.2.50B 50 Hz



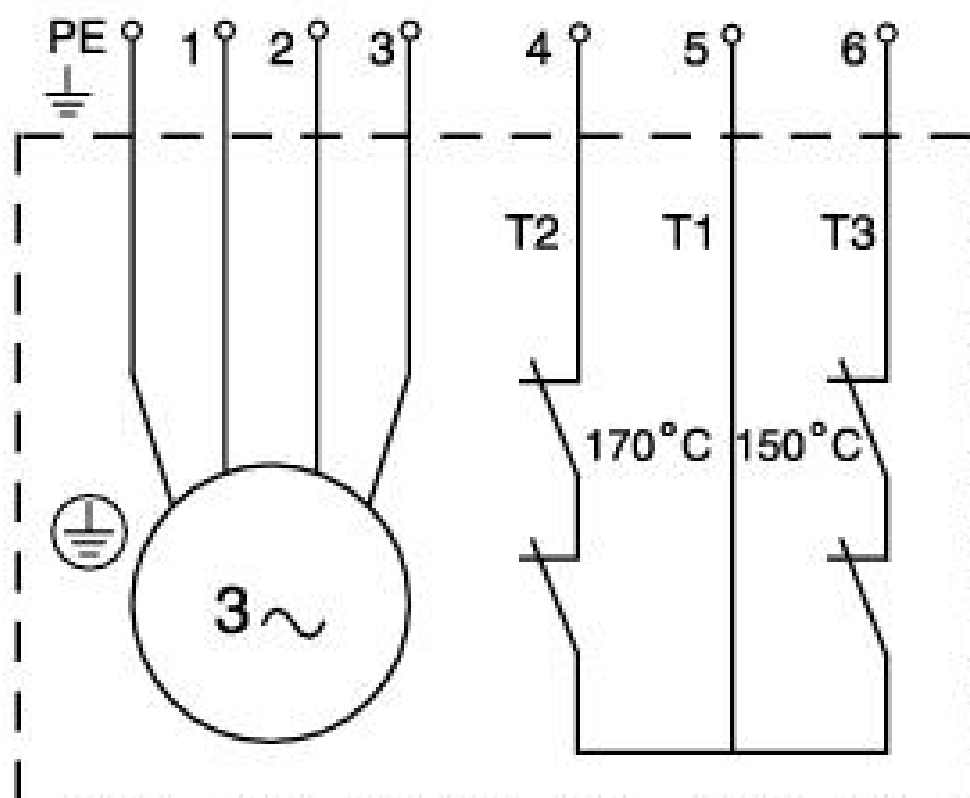
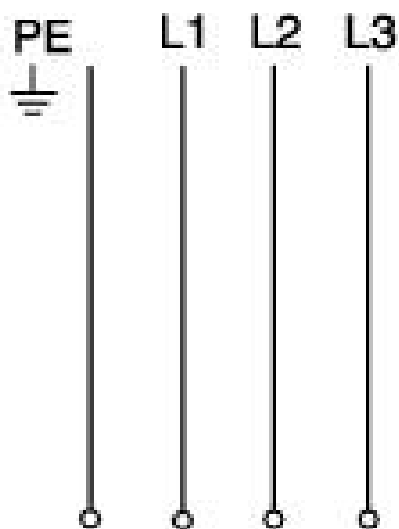
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96104205 DP10.50.09.EX.2.50B 50 Hz



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96104205 DP10.50.09.EX.2.50B 50 Hz



Note! All units are in [mm] unless others are stated.

*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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