
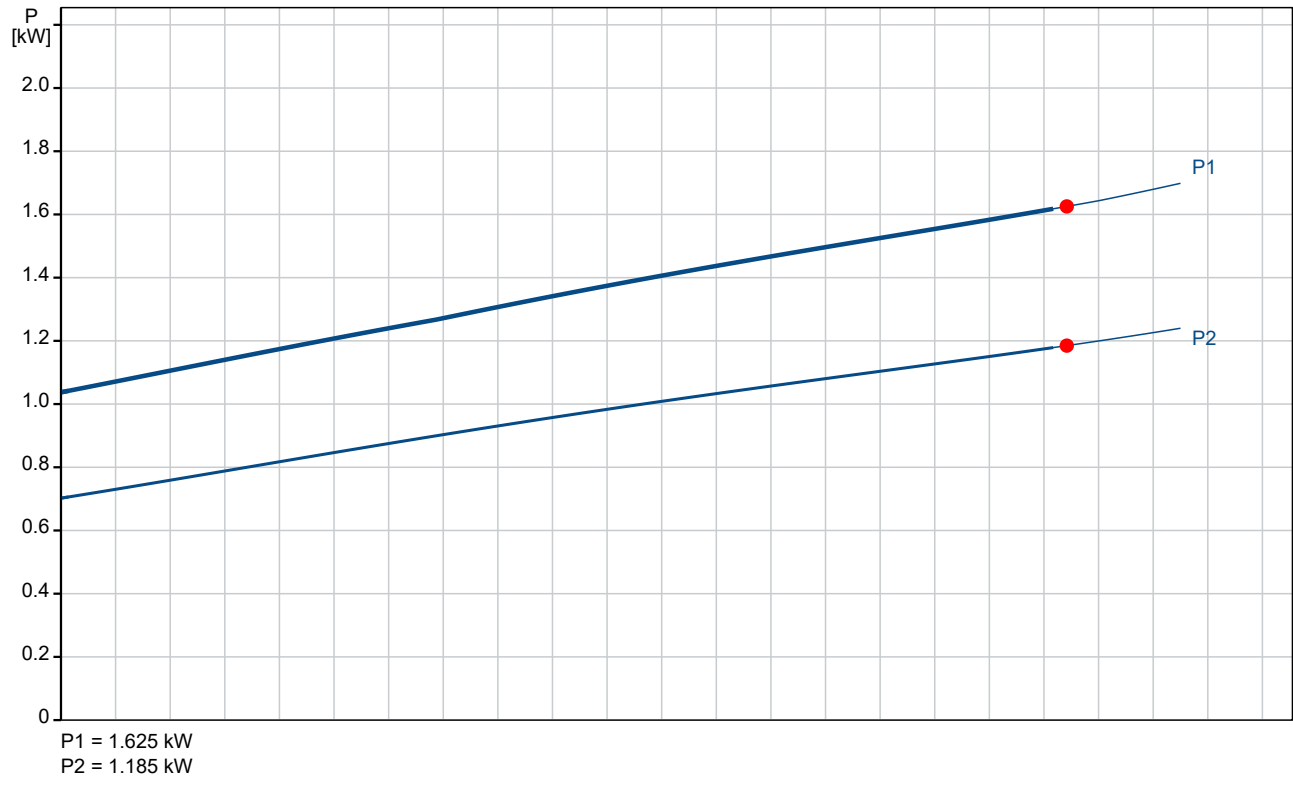
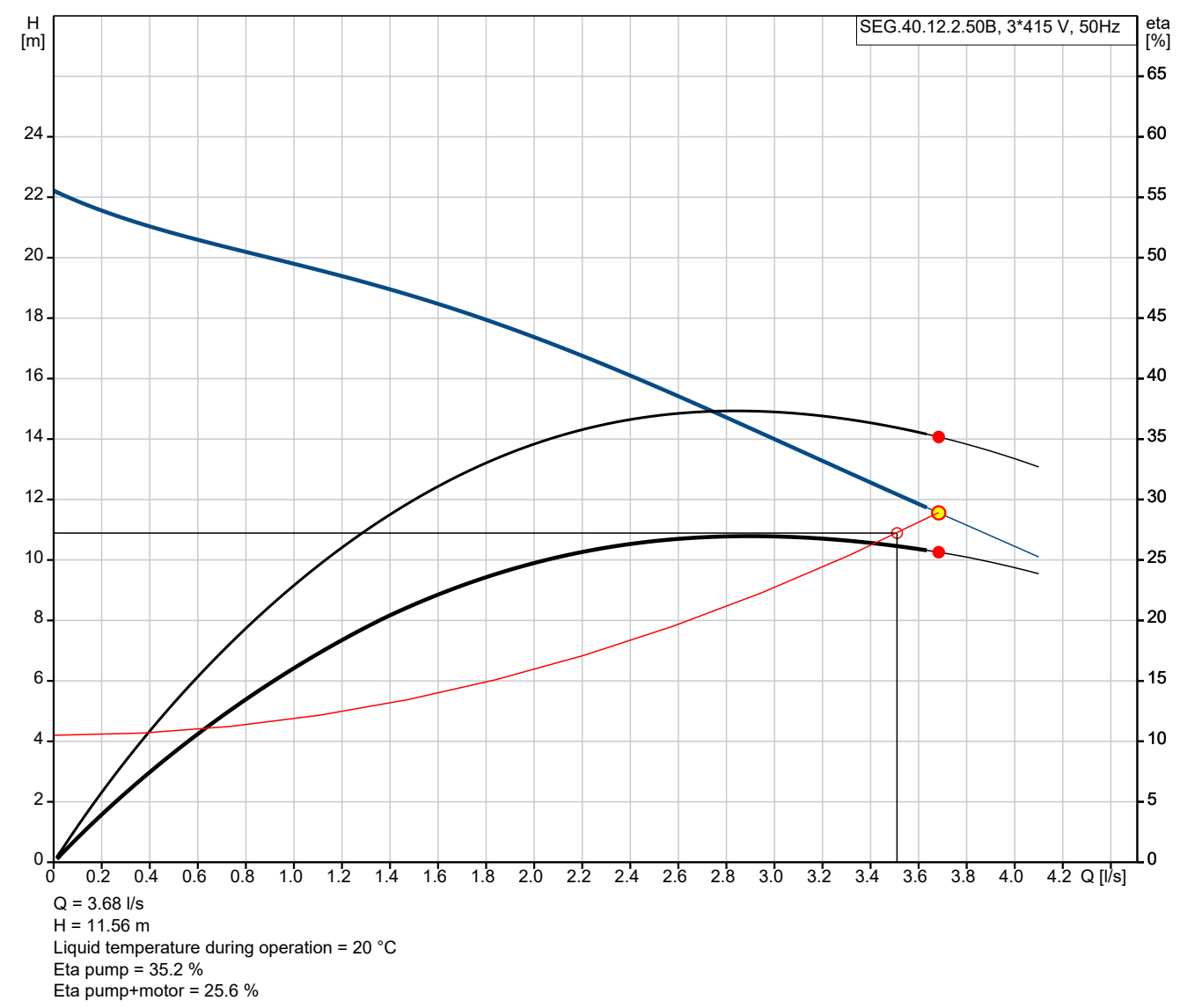


Qty.	Description
1	<div data-bbox="308 208 480 528" data-label="Image"> </div> <div data-bbox="592 508 1064 533" data-label="Text"> <p>Note! Product picture may differ from actual product</p> </div> <div data-bbox="201 539 464 566" data-label="Text"> <p>Product No.: 96075905</p> </div> <div data-bbox="201 600 1447 676" data-label="Text"> <p>Grundfos SEG grinder pumps are non-self-priming, single-stage, centrifugal pumps with horizontal discharge port, specifically designed for pumping wastewater containing discharge from toilets. The pump is equipped with a grinder system that grinds destructible solids into small pieces to lead them through pipes with a relatively small diameter.</p> </div> <div data-bbox="201 743 1452 819" data-label="Text"> <p>SEG grinder pumps are ideal for use in sparsely populated areas, where gravity sewage systems are not available. Examples include villages, farm areas and areas with large terrain-level differences, where a pressurised system has advantages.</p> </div> <div data-bbox="201 857 737 887" data-label="Text"> <p>The pump is available for two types of installation:</p> </div> <div data-bbox="237 887 802 947" data-label="List-Group"> <ul style="list-style-type: none"> • submerged installation on auto-coupling systems • submerged installation, free-standing. </div> <div data-bbox="201 978 1099 1037" data-label="Text"> <p>The pump is made of wear-resistant materials, such as cast iron and stainless steel. These materials ensure reliable operation.</p> </div> <div data-bbox="201 1037 1035 1066" data-label="Text"> <p>The surface of the pump is smooth to prevent dirt and impurities from sticking.</p> </div> <div data-bbox="201 1066 1457 1120" data-label="Text"> <p>The corrosion-resistant stainless steel clamp is securing the motor to the pump housing and allow the easy service of the pump.</p> </div> <div data-bbox="201 1155 1436 1207" data-label="Text"> <p>SmartTrim system allows easy adjustment of the impeller clearance to ensure maximum efficiency during the pump lifespan.</p> </div> <div data-bbox="201 1243 1406 1296" data-label="Text"> <p>The range is designed to reduce energy consumption and keep downtime costs to a minimum, while maintaining peak performance throughout the lifespan of the system.</p> </div> <div data-bbox="201 1359 515 1393" data-label="Section-Header"> <h3>Further product details</h3> </div> <div data-bbox="201 1395 1447 1449" data-label="Text"> <p>This grinder pump is specially designed for pumping effluent and untreated domestic sewage in areas with no sewer system or where gravitation systems are unsuitable.</p> </div> <div data-bbox="201 1451 987 1482" data-label="Text"> <p>The pump is designed for transfer of domestic and municipal wastewater:</p> </div> <div data-bbox="237 1485 612 1601" data-label="List-Group"> <ul style="list-style-type: none"> - in sparsely populated areas - in small villages and farms - in areas of difficult topography - in areas with high groundwater </div> <div data-bbox="201 1632 1447 1662" data-label="Text"> <p>The pump can also remove industrial wastewater containing fibres in industrial applications, such as washing plants.</p> </div> <div data-bbox="201 1722 284 1756" data-label="Section-Header"> <h3>Pump</h3> </div> <div data-bbox="201 1756 1453 1809" data-label="Text"> <p>The pump is primarily made of cast iron with surface treatment of powder coating: black NCS9000N/RAL 9005, gloss 30, thickness 100 µ.</p> </div> <div data-bbox="201 1814 1433 1868" data-label="Text"> <p>The pump features a patented grinder system, ensuring extremely high efficiency and reliable operation. Quick and easy dismantling for replacement of wear parts. No special tools are required.</p> </div> <div data-bbox="215 1888 512 2054" data-label="Image"> </div>

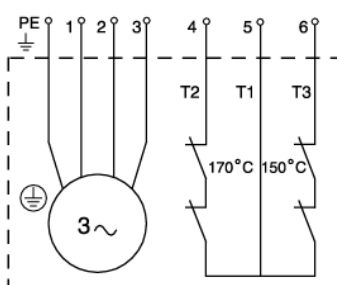
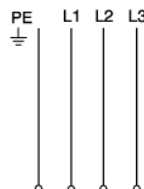
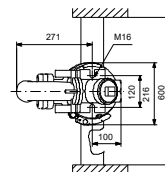
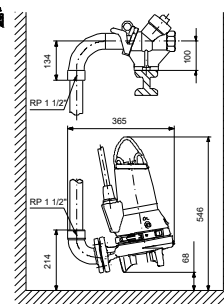
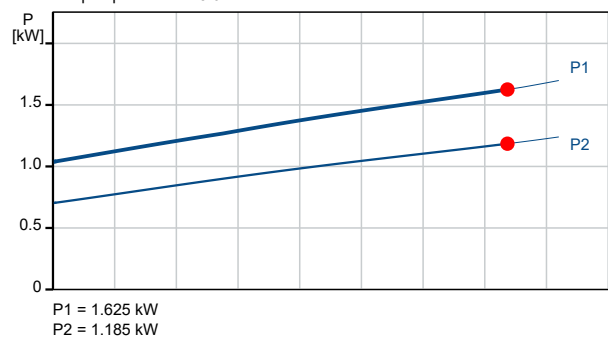
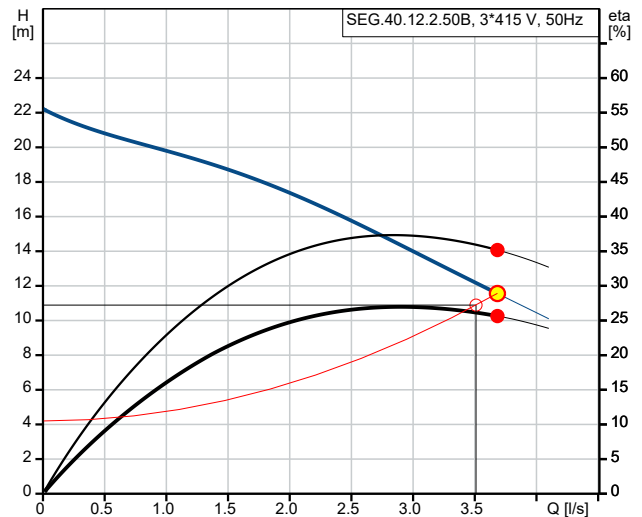
Qty.	Description																																												
1	<p>A stainless-steel clamp connection between motor and pump housing ensures easy inspection and service of the impeller and shaft seal.</p> <p>The shaft seal consists of a cartridge seal that ensures a reliable sealing between pumped liquid and motor.</p> <ul style="list-style-type: none"> - Primary seal: silicon carbide/silicon carbide (SiC/SiC) mechanical shaft seal - Secondary seal: lip seal <p>In connection with service, the mechanical shaft seal and the lip seal are supplied as one unit ready for fitting.</p>  <p>This pump is equipped with the unique SmartTrim system that enables you to easily restore the factory-set impeller clearance and maintain peak pumping efficiency.</p> <p>To do this, remove the cutter head and adjust the SmartTrim nut on the impeller.</p> <p>This can be done on site without dismantling the pump and without using special tools.</p> <p>The pump has been tested and approved by VDE.</p> <p>Motor</p> <p>The motor is a watertight, totally encapsulated motor, supplied with a 10 m power cable.</p> <p>The stainless-steel plug is fastened with a union nut.</p> <p>This nut and O-rings provide sealing against ingress of the liquid.</p> <p>The plug is polyurethane-embedded, ensuring a watertight and durable seal around the leads of the cable.</p> <p>This prevents the ingress of water into the motor through the cable in case of cable breakage or adverse handling in connection with installation or service.</p> <p>The motor construction is compact with a short shaft. This reduces vibrations, resulting in an increased efficiency and life of the shaft seal and ball bearings. The motor has two thermal switches in the motor windings to protect the motor against overheating.</p> <p>Controls:</p> <table> <tr> <td>Moisture sensor:</td><td>N</td></tr> <tr> <td>AUTOADAPT:</td><td>No</td></tr> </table> <p>Liquid:</p> <table> <tr> <td>Pumped liquid:</td><td>Any Newtonian liquid</td></tr> <tr> <td>Liquid temperature range:</td><td>0 .. 40 °C</td></tr> <tr> <td>Selected liquid temperature:</td><td>20 °C</td></tr> <tr> <td>Density:</td><td>998.2 kg/m³</td></tr> </table> <p>Technical:</p> <table> <tr> <td>Actual calculated flow:</td><td>3.68 l/s</td></tr> <tr> <td>Resulting head of the pump:</td><td>11.56 m</td></tr> <tr> <td>Type of impeller:</td><td>GRINDER SYSTEM</td></tr> <tr> <td>Primary shaft seal:</td><td>SIC/SIC</td></tr> <tr> <td>Approvals:</td><td>PA-I</td></tr> <tr> <td>Curve tolerance:</td><td>ISO9906:2012 3B2</td></tr> </table> <p>Materials:</p> <table> <tr> <td>Pump housing:</td><td>Cast iron EN1561 EN-GJL-200</td></tr> <tr> <td>Impeller:</td><td>Cast iron EN1561 EN-GJL-200</td></tr> </table> <p>Installation:</p> <table> <tr> <td>Maximum ambient temperature:</td><td>40 °C</td></tr> <tr> <td>Maximum operating pressure:</td><td>6 bar</td></tr> <tr> <td>Flange standard:</td><td>DIN</td></tr> <tr> <td>Pipework connection:</td><td>DN 40/50</td></tr> <tr> <td>Pump outlet:</td><td>DN 40</td></tr> <tr> <td>Pressure rating:</td><td>PN 10</td></tr> <tr> <td>Maximum installation depth:</td><td>7 m</td></tr> <tr> <td>Auto-coupling:</td><td>96076063</td></tr> </table>	Moisture sensor:	N	AUTOADAPT:	No	Pumped liquid:	Any Newtonian liquid	Liquid temperature range:	0 .. 40 °C	Selected liquid temperature:	20 °C	Density:	998.2 kg/m ³	Actual calculated flow:	3.68 l/s	Resulting head of the pump:	11.56 m	Type of impeller:	GRINDER SYSTEM	Primary shaft seal:	SIC/SIC	Approvals:	PA-I	Curve tolerance:	ISO9906:2012 3B2	Pump housing:	Cast iron EN1561 EN-GJL-200	Impeller:	Cast iron EN1561 EN-GJL-200	Maximum ambient temperature:	40 °C	Maximum operating pressure:	6 bar	Flange standard:	DIN	Pipework connection:	DN 40/50	Pump outlet:	DN 40	Pressure rating:	PN 10	Maximum installation depth:	7 m	Auto-coupling:	96076063
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Qty.	Description
1	<p>Electrical data:</p> <p>Power input - P1: 1.6 kW</p> <p>Rated power - P2: 1.2 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 400-415 V</p> <p>Voltage tolerance: +6/-10 %</p> <p>Max starts per hour: 30</p> <p>Rated current: 3 A</p> <p>Starting current: 21 A</p> <p>Rated current at no load: 2.1 A</p> <p>Cos phi - power factor: 0.81</p> <p>Cos phi - p.f. at 3/4 load: 0.72</p> <p>Cos phi - p.f. at 1/2 load: 0.58</p> <p>Rated speed: 2750 rpm</p> <p>Moment of inertia: 0.0038 kg m²</p> <p>Motor efficiency at full load: 73 %</p> <p>Motor efficiency at 3/4 load: 71 %</p> <p>Motor efficiency at 1/2 load: 66 %</p> <p>Number of poles: 2</p> <p>Start. method: DOL</p> <p>Enclosure class (IEC 34-5): IP68</p> <p>Insulation class (IEC 85): F</p> <p>Explosion proof: no</p> <p>Length of cable: 10 m</p> <p>Cable type: 07RN8-F</p> <p>Type of cable plug: No plug</p> <p>Others:</p> <p>Net weight: 42.5 kg</p> <p>Danish VVS No.: 391342131</p> <p>Swedish RSK No.: 5885829</p> <p>Finnish LVI No.: 4836103</p> <p>Norwegian NRF no.: 9045801</p>

96075905 SEG.40.12.2.50B 50 Hz

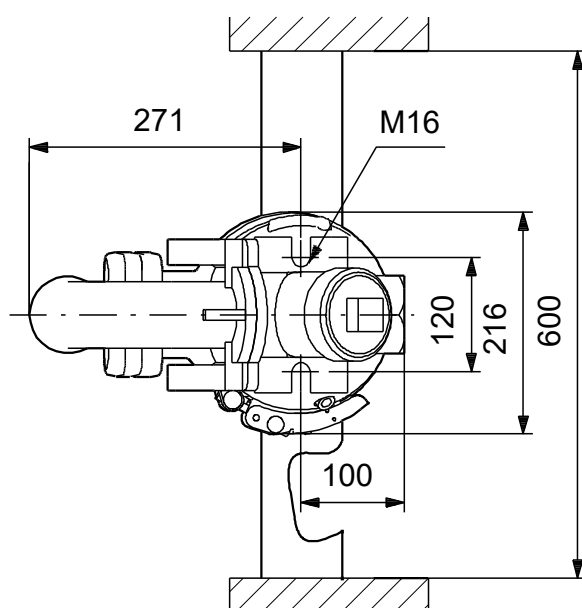
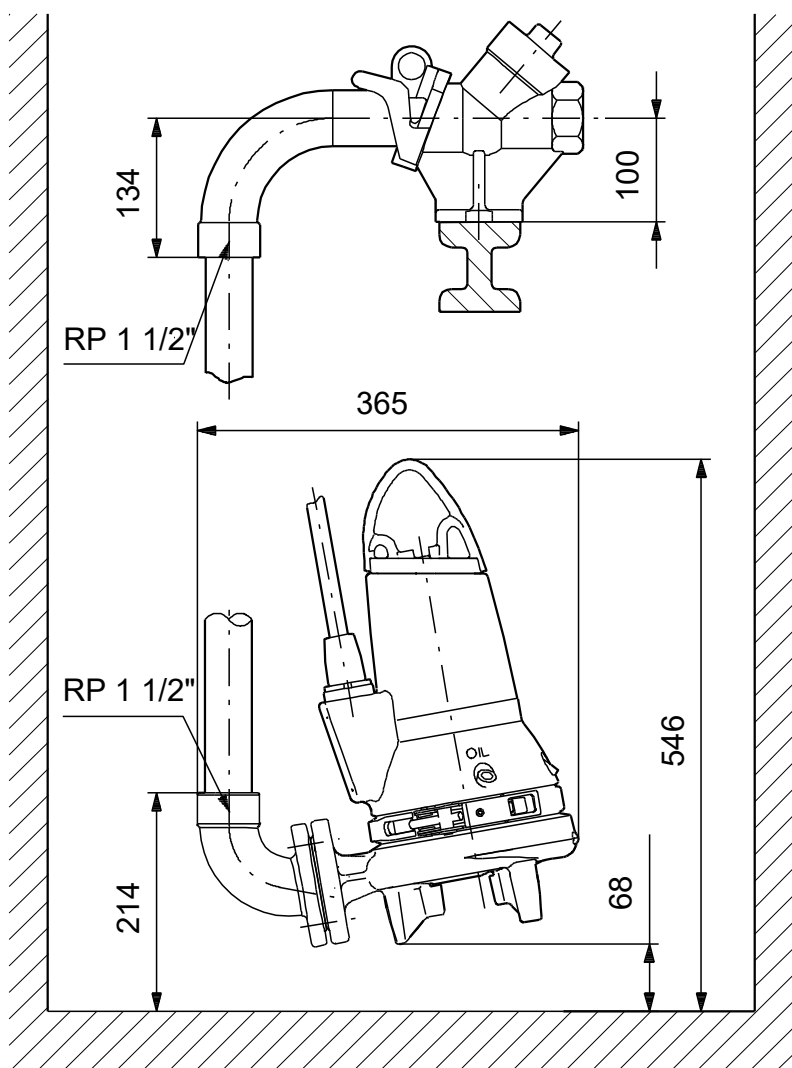


Description	Value
General information:	
Product name:	SEG.40.12.2.50B
Product No:	96075905
EAN number:	5700394850780
Technical:	
Actual calculated flow:	3.68 l/s
Max flow:	4.17 l/s
Resulting head of the pump:	11.56 m
Head max:	20.7 m
Type of impeller:	GRINDER SYSTEM
Primary shaft seal:	SIC/SIC
Approvals:	PA-I
Curve tolerance:	ISO9906:2012 3B2
Materials:	
Pump housing:	Cast iron
Pump housing:	EN1561 EN-GJL-200
Impeller:	Cast iron
Impeller:	EN1561 EN-GJL-200
Installation:	
Maximum ambient temperature:	40 °C
Maximum operating pressure:	6 bar
Flange standard:	DIN
Pipework connection:	DN 40/50
Pump outlet:	DN 40
Pressure rating:	PN 10
Maximum installation depth:	7 m
Inst dry/wet:	SUBMERGED
Auto-coupling:	96076063
Liquid:	
Pumped liquid:	Any Newtonian liquid
Liquid temperature range:	0 .. 40 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Power input - P1:	1.6 kW
Rated power - P2:	1.2 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 400-415 V
Voltage tolerance:	+6/-10 %
Max starts per hour:	30
Rated current:	3 A
Starting current:	21 A
Rated current at no load:	2.1 A
Cos phi - power factor:	0.81
Cos phi - p.f. at 3/4 load:	0.72
Cos phi - p.f. at 1/2 load:	0.58
Rated speed:	2750 rpm
Moment of inertia:	0.0038 kg m²
Motor efficiency at full load:	73 %
Motor efficiency at 3/4 load:	71 %
Motor efficiency at 1/2 load:	66 %
Number of poles:	2
Start. method:	DOL
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	F
Explosion proof:	no
Built-in motor protection:	THERMAL SWITCH
Thermal protec:	EXT.
Length of cable:	10 m
Cable type:	07RN8-F
Type of cable plug:	No plug
Controls:	
Control box:	N
Additional I/O:	External



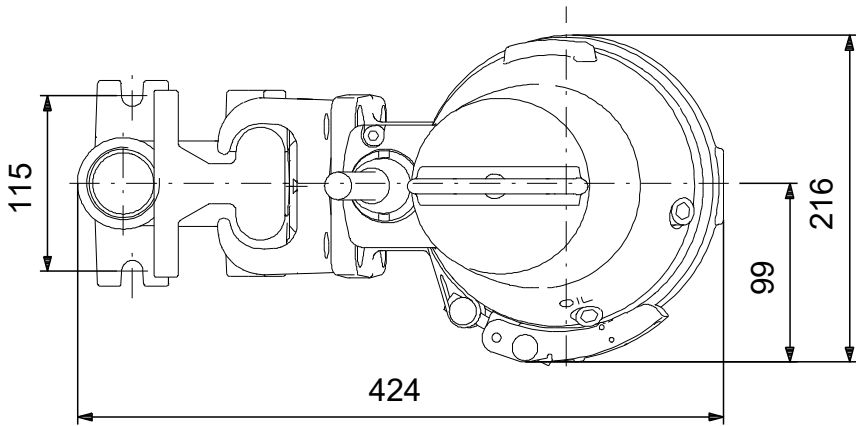
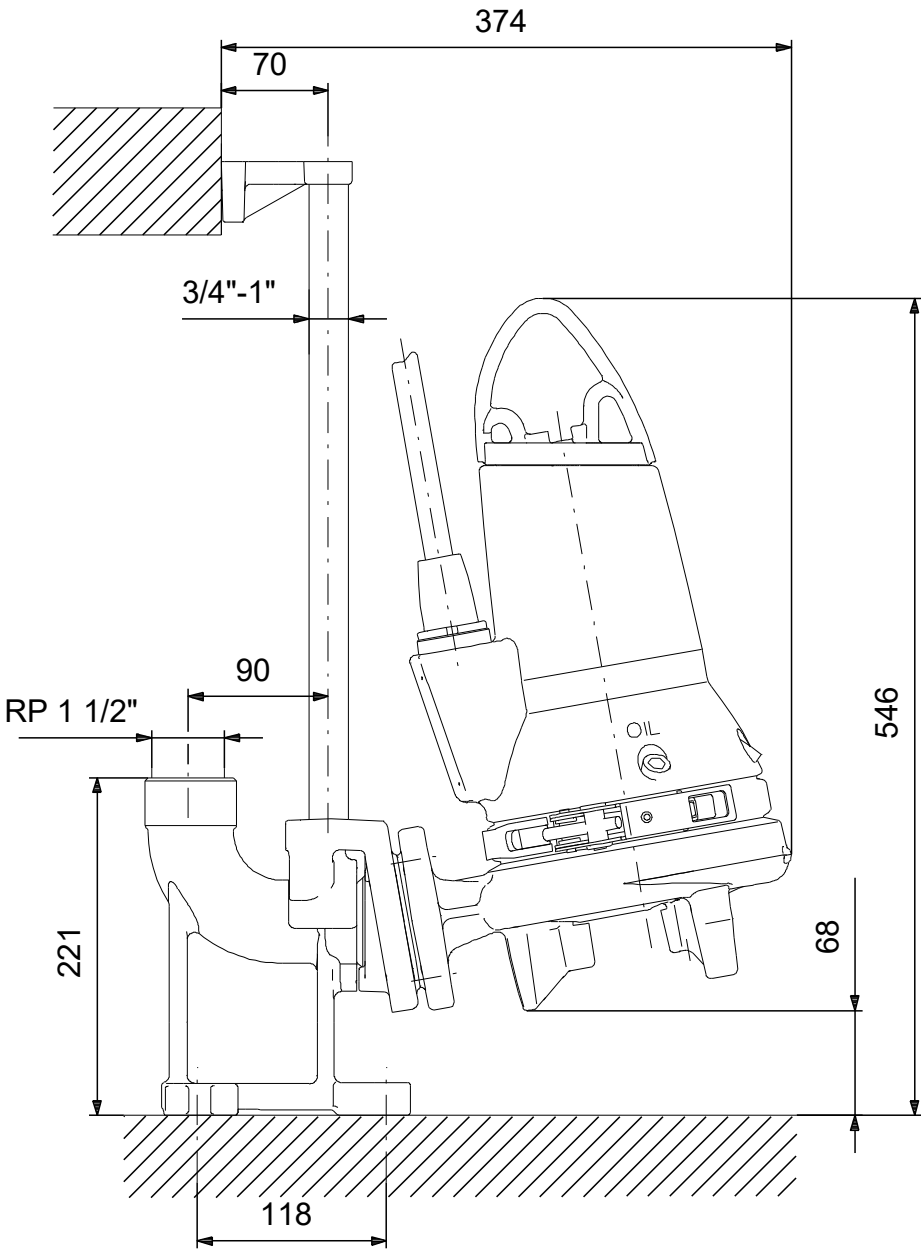
Description	Value
Moisture sensor:	N
AUTOADAPT:	No
Others:	
Net weight:	42.5 kg
Danish VVS No.:	391342131
Swedish RSK No.:	5885829
Finnish LVI No.:	4836103
Norwegian NRF no.:	9045801

96075905 SEG.40.12.2.50B 50 Hz



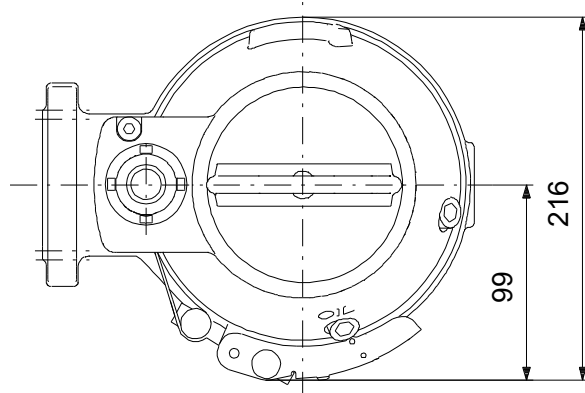
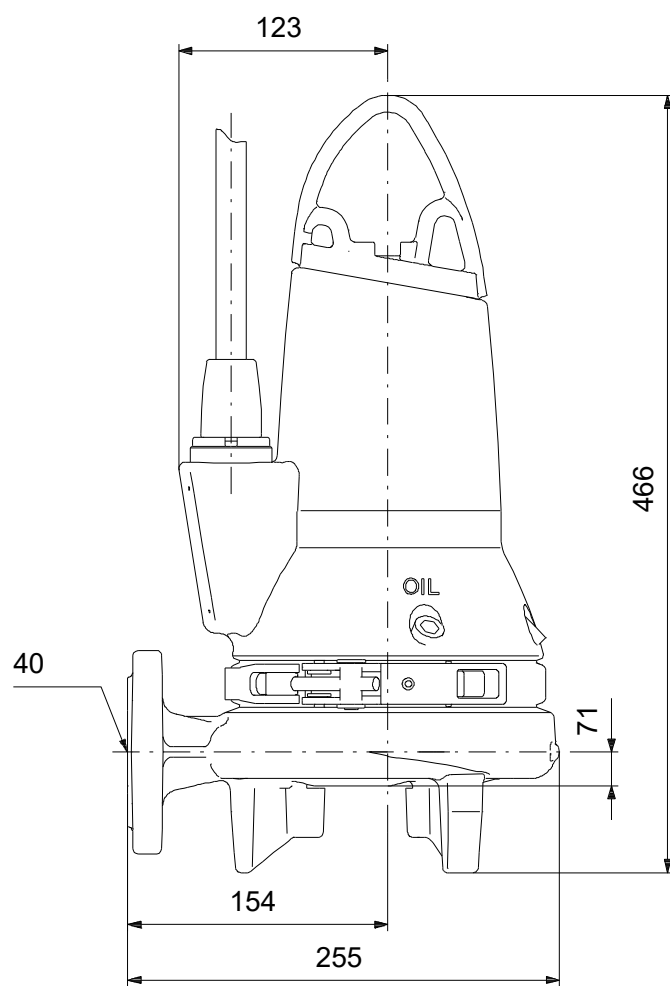
Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

96075905 SEG.40.12.2.50B 50 Hz



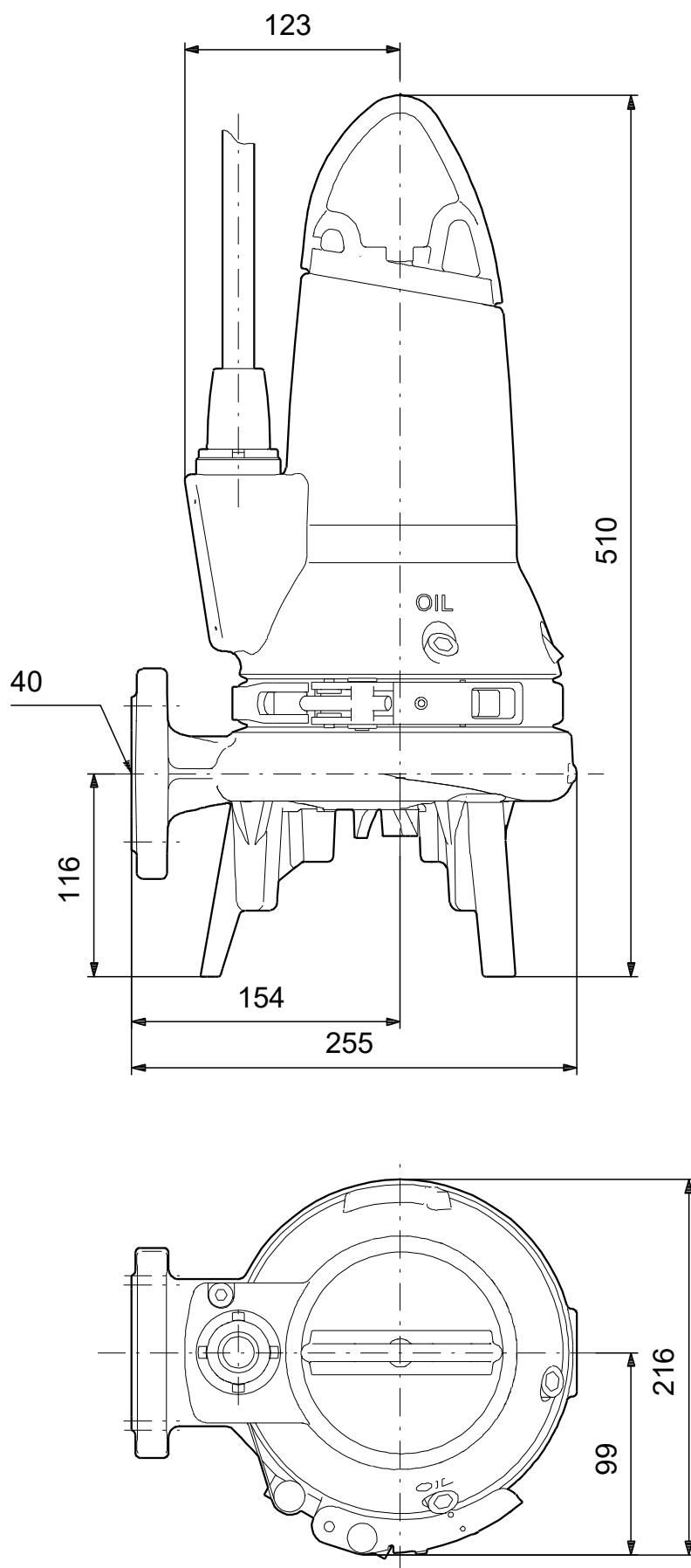
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