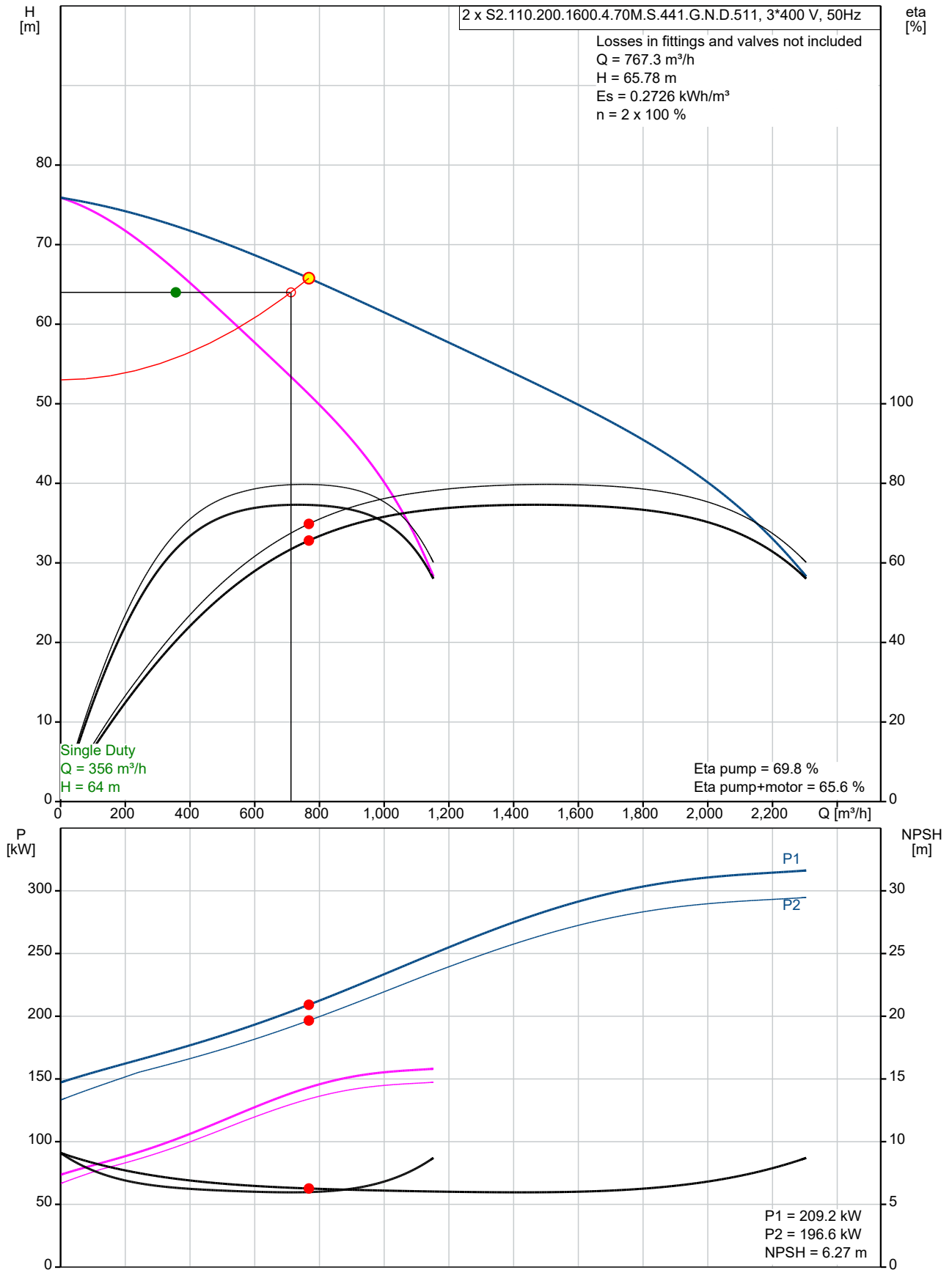


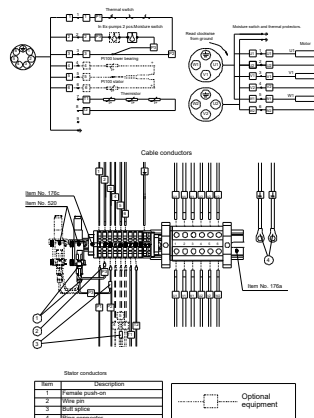
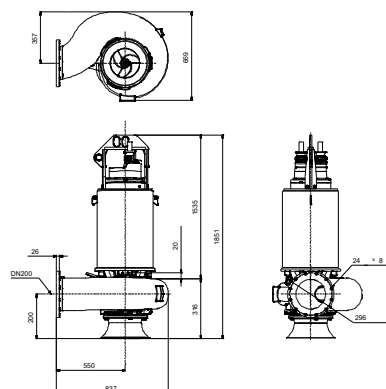
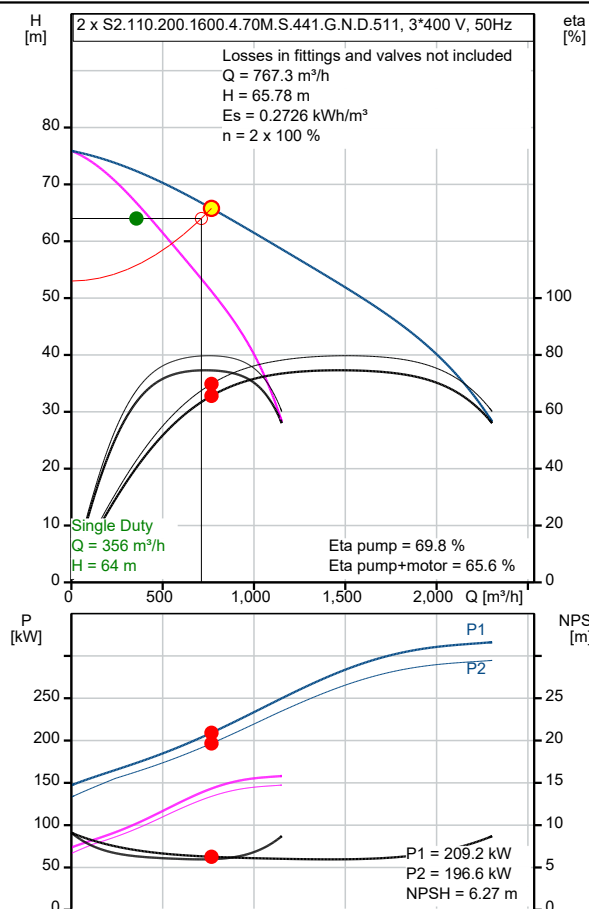
Qty.	Description																																				
1	<p>S2.110.200.1600.4.70M.S.441.G.N.D.511</p>  <p>Note! Product picture may differ from actual product</p> <p>Product No.: 95112921</p> <p>Non-self-priming, single-stage, centrifugal pump designed for handling wastewater, process water and unscreened raw sewage.</p> <p>The pump is designed for intermittent and continuous operation in submerged installation. The two-channel impeller handles solids up to 110 mm in size.</p> <p>A SmartTrim impeller clearance adjustment system makes it possible to maintain maximum performance throughout the lifetime of the pump.</p> <p>To facilitate easy transportation as well as installation on-site, the pump is fitted with a robust lifting bracket. For installation on auto coupling, the Grundfos SmartSeal gasket system provides a leak-proof connection. Pipework connections are via a DIN flange.</p> <p>Controls:</p> <table> <tr> <td>Moisture sensor:</td><td>with moisture sensors</td></tr> <tr> <td>Water-in-oil sensor:</td><td>without water-in-oil sensor</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>Density:</td><td>998.2 kg/m³</td></tr> </table> <p>Technical:</p> <table> <tr> <td>Actual calculated flow:</td><td>767.3 m³/h</td></tr> <tr> <td>Resulting head of the pump:</td><td>65.78 m</td></tr> <tr> <td>Actual impeller diameter:</td><td>442 mm</td></tr> <tr> <td>Type of impeller:</td><td>2-CHANNEL</td></tr> <tr> <td>Maximum particle size:</td><td>110 mm</td></tr> <tr> <td>Primary shaft seal:</td><td>SIC-SIC</td></tr> <tr> <td>Secondary shaft seal:</td><td>SIC-CARBON</td></tr> <tr> <td>Curve tolerance:</td><td>ISO9906:2012 3B</td></tr> </table> <p>Materials:</p> <table> <tr> <td>Pump housing:</td><td>Cast iron EN 1561 EN-GJL-250 AISI A48 30</td></tr> <tr> <td>Impeller:</td><td>Ductile cast iron EN 1563 EN-GJS-500-7 AISI 80-55-06</td></tr> <tr> <td>Motor:</td><td>Cast iron EN 1561 EN-GJL-250 AISI A48 30</td></tr> </table> <p>Installation:</p> <table> <tr> <td>Range of ambient temperature:</td><td>-20 .. 40 °C</td></tr> <tr> <td>Type of connection:</td><td>DIN</td></tr> </table>	Moisture sensor:	with moisture sensors	Water-in-oil sensor:	without water-in-oil sensor	Pumped liquid:	Any Newtonian liquid	Liquid temperature range:	0 .. 40 °C	Density:	998.2 kg/m ³	Actual calculated flow:	767.3 m ³ /h	Resulting head of the pump:	65.78 m	Actual impeller diameter:	442 mm	Type of impeller:	2-CHANNEL	Maximum particle size:	110 mm	Primary shaft seal:	SIC-SIC	Secondary shaft seal:	SIC-CARBON	Curve tolerance:	ISO9906:2012 3B	Pump housing:	Cast iron EN 1561 EN-GJL-250 AISI A48 30	Impeller:	Ductile cast iron EN 1563 EN-GJS-500-7 AISI 80-55-06	Motor:	Cast iron EN 1561 EN-GJL-250 AISI A48 30	Range of ambient temperature:	-20 .. 40 °C	Type of connection:	DIN
Moisture sensor:	with moisture sensors																																				
Water-in-oil sensor:	without water-in-oil sensor																																				
Pumped liquid:	Any Newtonian liquid																																				
Liquid temperature range:	0 .. 40 °C																																				
Density:	998.2 kg/m ³																																				
Actual calculated flow:	767.3 m ³ /h																																				
Resulting head of the pump:	65.78 m																																				
Actual impeller diameter:	442 mm																																				
Type of impeller:	2-CHANNEL																																				
Maximum particle size:	110 mm																																				
Primary shaft seal:	SIC-SIC																																				
Secondary shaft seal:	SIC-CARBON																																				
Curve tolerance:	ISO9906:2012 3B																																				
Pump housing:	Cast iron EN 1561 EN-GJL-250 AISI A48 30																																				
Impeller:	Ductile cast iron EN 1563 EN-GJS-500-7 AISI 80-55-06																																				
Motor:	Cast iron EN 1561 EN-GJL-250 AISI A48 30																																				
Range of ambient temperature:	-20 .. 40 °C																																				
Type of connection:	DIN																																				

Qty.	Description
	<p>Size of outlet connection: DN 200</p> <p>Pressure rating: PN 10</p> <p>Maximum installation depth: 20 m</p> <p>Auto-coupling: 96641489</p> <p>Frame range: 70</p> <p>Electrical data:</p> <p>Power input - P1: 167 kW</p> <p>Rated power - P2: 155 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 400/690 V</p> <p>Voltage tolerance: +10/-10 %</p> <p>Max starts per. hour: 15</p> <p>Rated current: 280/163 A</p> <p>Maximum current consumption: 280 A</p> <p>Starting current: 2100 A</p> <p>Rated current at no load: 110 A</p> <p>Rated speed: 1475 rpm</p> <p>Motor efficiency at full load: 93 %</p> <p>Motor efficiency at 3/4 load: 94 %</p> <p>Motor efficiency at 1/2 load: 94 %</p> <p>Number of poles: 4</p> <p>Start. method: star/delta</p> <p>Enclosure class (IEC 34-5): IP68</p> <p>Insulation class (IEC 85): F</p> <p>Explosion proof: no</p> <p>Ex-protection standard: N</p> <p>Length of cable: 10 m</p> <p>Cable type: H07RN-F AT</p> <p>Winding resistance: 0.030 Ohm</p> <p>Cos phi 1/1: 0.86</p> <p>Cos phi 1/2: 0.72</p> <p>Cos phi 3/4: 0.82</p> <p>Others:</p> <p>Net weight: 1250 kg</p> <p>Gross weight: 1420 kg</p>

95112921 S2.110.200.1600.4.70M.S.441.G.N.D.511 50 Hz



Description	Value
General information:	
Product name:	S2.110.200.1600.4.70M.S.441.G. N.D.511
Product No:	95112921
EAN number:	5700310631042
Price:	
Technical:	
Actual calculated flow:	767.3 m³/h
Maximum flow:	1152 m³/h
Max flow:	1152 m³/h
Resulting head of the pump:	65.78 m
Head max:	75.9 m
Actual impeller diameter:	442 mm
Type of impeller:	2-CHANNEL
Maximum particle size:	110 mm
Primary shaft seal:	SIC-SIC
Secondary shaft seal:	SIC-CARBON
Curve tolerance:	ISO9906:2012 3B
Cooling jacket:	without cooling jacket
Materials:	
Pump housing:	Cast iron
Pump housing:	EN 1561 EN-GJL-250
Pump housing:	AISI A48 30
Impeller:	Ductile cast iron
Impeller:	EN 1563 EN-GJS-500-7
Impeller:	AISI 80-55-06
Motor:	Cast iron
Motor:	EN 1561 EN-GJL-250
Motor:	AISI A48 30
Installation:	
Range of ambient temperature:	-20 .. 40 °C
Type of connection:	DIN
Size of outlet connection:	DN 200
Pressure rating:	PN 10
Maximum installation depth:	20 m
Installation:	S
Inst dry/wet:	S
Installation:	vertical
Auto-coupling:	96641489
Frame range:	70
Liquid:	
Pumped liquid:	Any Newtonian liquid
Liquid temperature range:	0 .. 40 °C
Density:	998.2 kg/m³
Electrical data:	
Power input - P1:	167 kW
Rated power - P2:	155 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 400/690 V
Voltage tolerance:	+10/-10 %
Max starts per. hour:	15
Rated current:	280/163 A
Maximum current consumption:	280 A
Starting current:	2100 A
Rated current at no load:	110 A
Rated speed:	1475 rpm
Motor efficiency at full load:	93 %
Motor efficiency at 3/4 load:	94 %





Company name:

Created by:

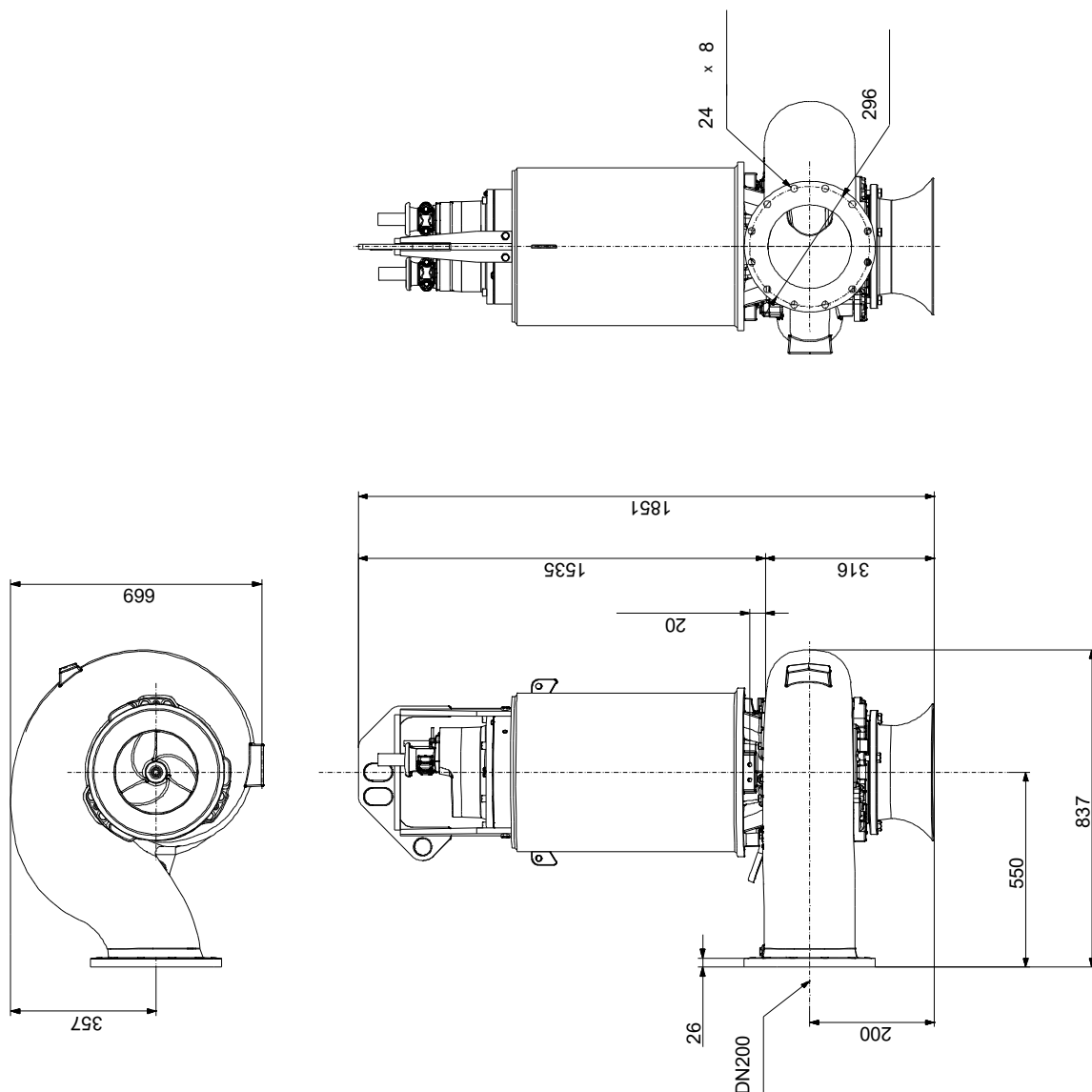
Phone:

Date:

04/03/2021

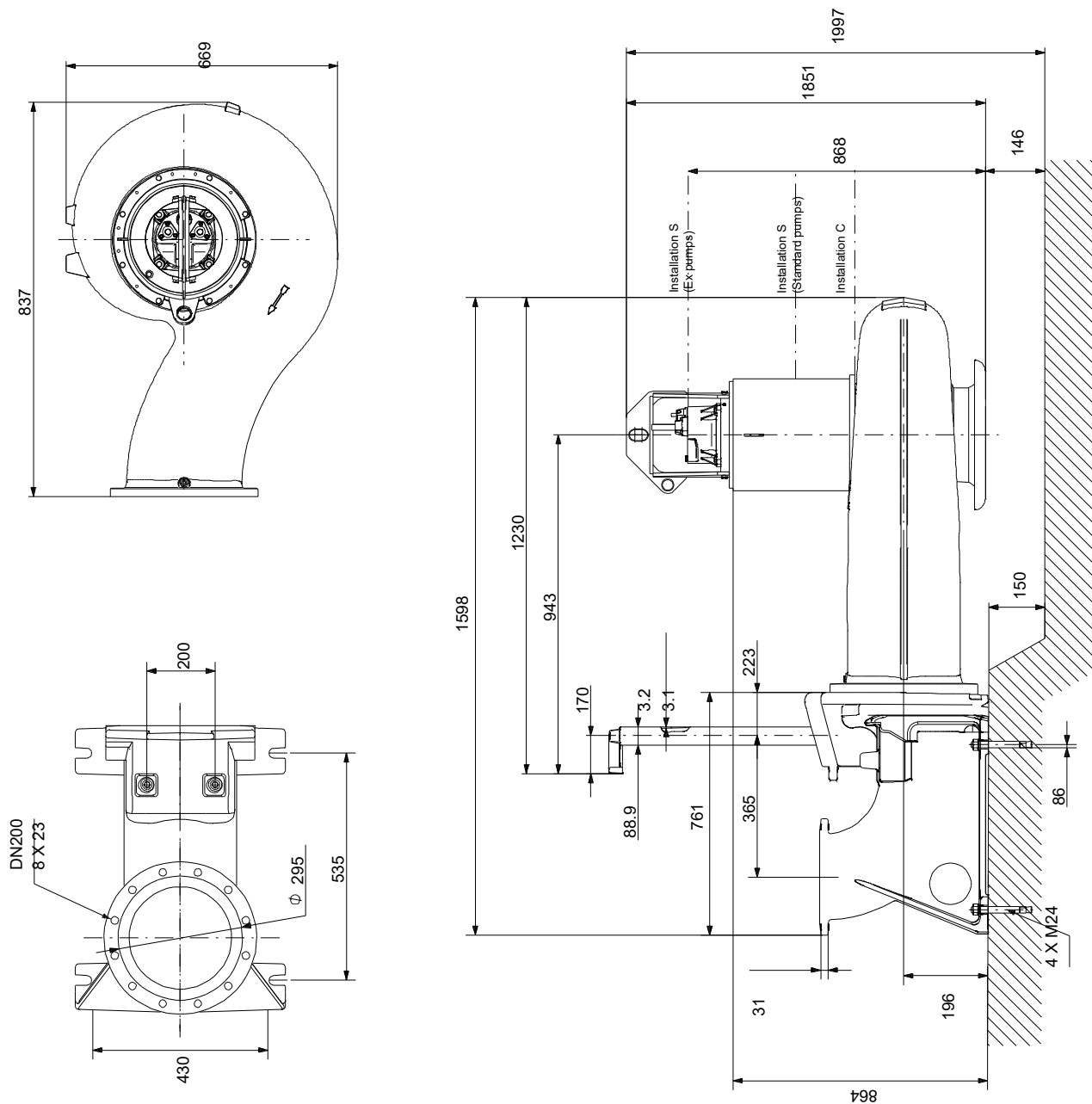
Description	Value
Motor efficiency at 1/2 load:	94 %
Number of poles:	4
Start. method:	star/delta
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	F
Explosion proof:	no
Ex-protection standard:	N
Motor protec:	KLIXON
Length of cable:	10 m
Cable type:	H07RN-F AT
Cable size:	2X4X70MM2+1X7X1,5MM2
Cable resistance:	0.27 mOhm/m
Winding resistance:	0.030 Ohm
Cos phi 1/1:	0.86
Cos phi 1/2:	0.72
Cos phi 3/4:	0.82
Controls:	
Moisture sensor:	with moisture sensors
Water-in-oil sensor:	without water-in-oil sensor
Others:	
Net weight:	1250 kg
Gross weight:	1420 kg

95112921 S2.110.200.1600.4.70M.S.441.G.N.D.511 50 Hz



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

95112921 S2.110.200.1600.4.70M.S.441.G.N.D.511 50 Hz



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