

# SE and SL pumps

9-30 kW

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## 1. Introduction

This data booklet deals with Grundfos heavy-duty wastewater pumps called SE and SL, 9-30 kW.



TM05 3010 4917 - TM05 7661 0818

Fig. 1 SE and SL pump

The 9-30 kW SE and SL pumps are a range of SuperVortex and closed S-tube<sup>®</sup> impeller pumps specifically designed for pumping sewage and wastewater in a wide range of municipal, private and industrial applications.

SE pumps are equipped with an internal closed-loop cooling system, which enables them to be dry installed.

SL pumps do not have a cooling system as they are used for submersible installations only.

The pumps are made of resistant materials, such as cast iron and stainless steel. These materials ensure proper operation.

The pumps are fitted with IEC and IE3 efficiency motor components from 9 kW up to 30 kW. The motors are either 2-, 4- or 6-pole motors, depending on the motor size.

The free passage in the pumps is 75 to 125 mm.

The pumps are available for:

- freestanding submerged installation on ring stand
- submersible installation on auto coupling with fully submerged motor
- submersible installation on auto coupling with media above pump housing only
- pumps for vertical dry installation
- pumps for horizontal dry installation.

## Applications

The SE and SL pumps are designed for applications such as:

- raw water intake systems
- wastewater treatment plants
- municipal pumping stations
- public buildings
- blocks of flats
- industries
- garages
- underground car parks
- car wash areas
- restaurants and hotels.

The pumps are suitable for both temporary and permanent installation. The lifting bracket fitted on the pumps enables easy transportation to and installation on the installation site.

## Closed S-tube<sup>®</sup> impeller



The closed **S-tube<sup>®</sup>** impeller is the only impeller available in the wastewater market that does not compromise either efficiency or free passage through the pump.

The key to the S-tube<sup>®</sup> design is simplicity, with no cutting or moving functions that can get worn over time, thereby ensuring constant, superior efficiency. The closed S-tube<sup>®</sup> impeller is a tube-shaped channel impeller placed in a pump housing that matches the smooth tube shape leaving no obstructions or dead zones.

A unique balancing method of the impeller ensures minimum vibration in the pump, thus reducing the load on the shaft seal, shaft and bearings.

The closed S-tube<sup>®</sup> impeller is a no-compromise solution providing free spherical passage through the impeller and pump housing and creating a natural extension of the pipes connected to the pump. This ensures optimum hydraulic efficiency without compromising solids handling. The simple design means lower life cycle costs because abrasive wear is reduced and fewer clogging incidents occur.

## Smartdesign



**Smartdesign** describes the functional design of our products that combines elegant appearance with smart features, created with customer needs in mind.

**Smartdesign** does not only look good; the design also makes installation, operation and maintenance of the product easier and more user-friendly.

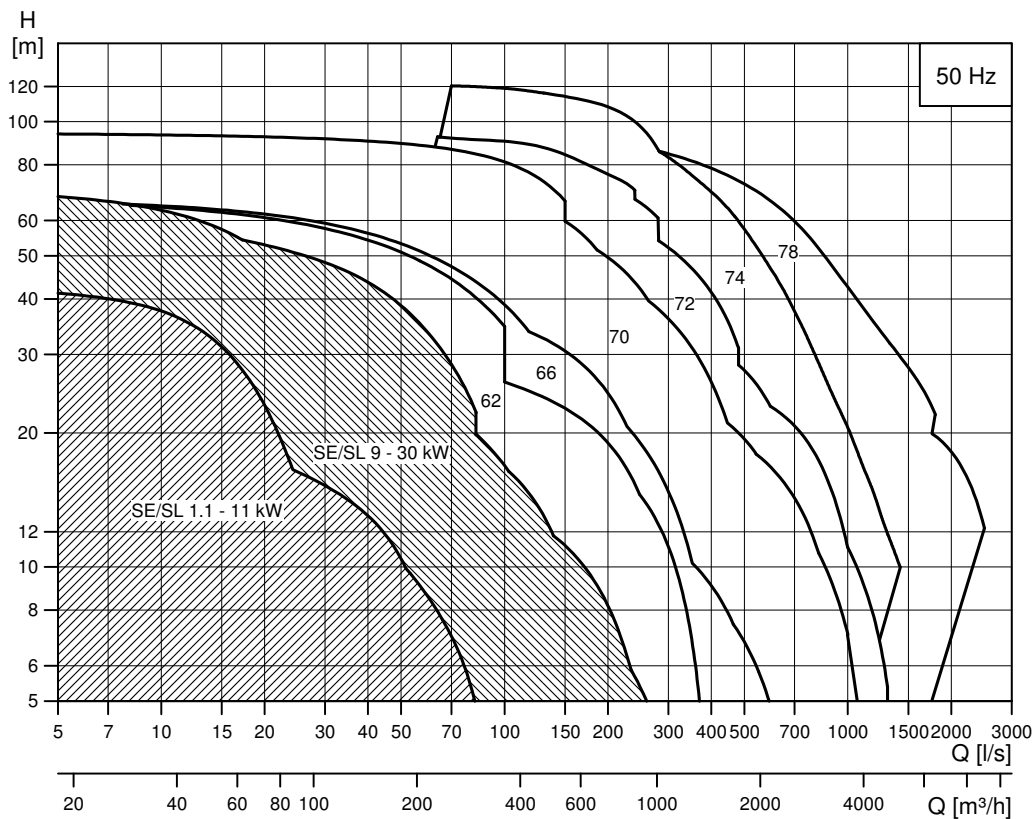
**smartdesign**

The **smartdesign** features of our SE and SL pumps include:

- closed S-tube<sup>®</sup> impeller
- shaft seal cartridge with double mechanical shaft seal system for reliable sealing between pumped liquid and motor
- leak-proof connections via the Grundfos SmartSeal gasket system
- watertight cable entry made of corrosion-resistant stainless steel
- moisture switch for continuous monitoring of motor housing and automatic cut-off of power in case liquid penetrates
- self-cleaning closed S-tube<sup>®</sup> impeller with long vanes reducing the risk of jamming or clogging and high pumping efficiency or SuperVortex impeller with improved pumping efficiency and less downtime
- SmartTrim system allowing easy adjustment of impeller clearance and maintaining maximum pump efficiency over pump lifetime
- motor in insulation class H (180 °C), enclosure class IP68 with three thermal sensors in stator windings
- explosion-proof motors for applications involving high risk of explosion.

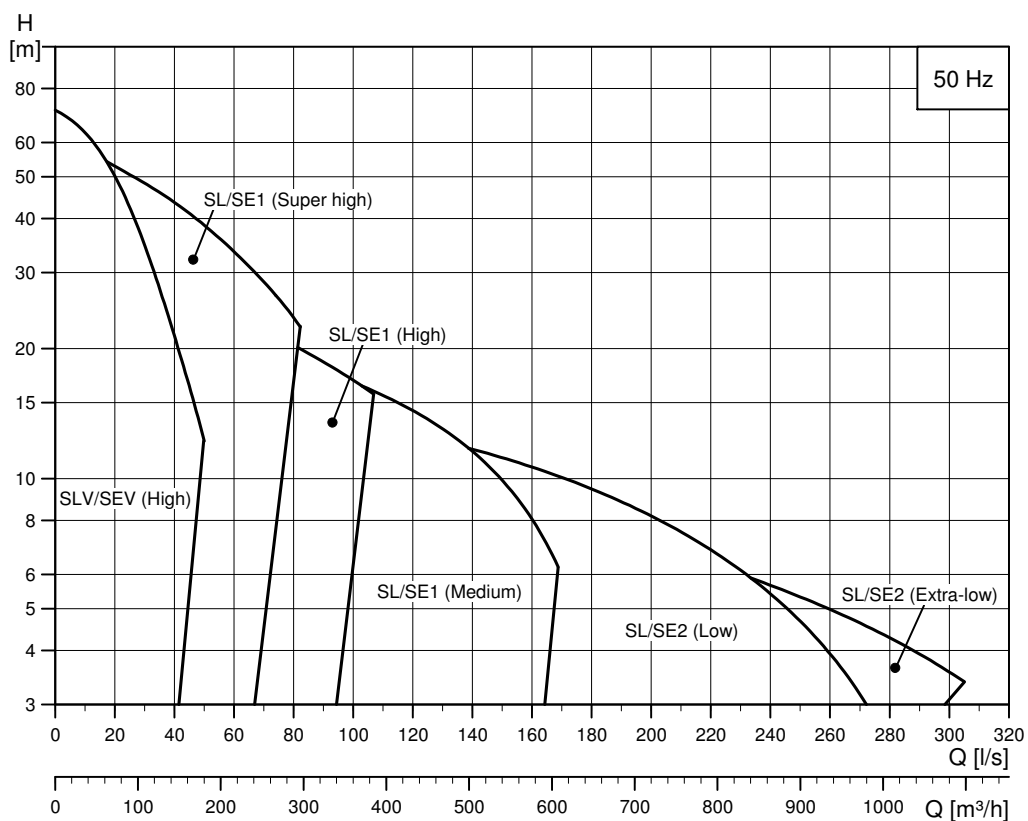
## 2. Performance range

### Performance range, SE, SL and S pumps



TM05 3391 1119

### Performance range, SE and SL pumps



TM05 4020 1119

## List of pump curves

### SLV and SEV pumps with SuperVortex impeller

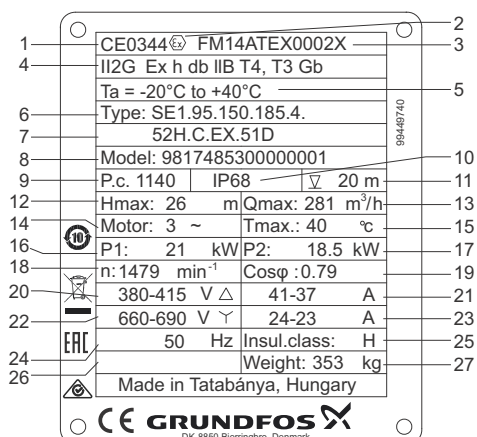
Pump type	Pressure range	Curve chart on page
SLV/SEV.80.80.130.2.52H	High	54
SLV/SEV.80.80.150.2.52H		55
SLV/SEV.80.80.170.2.52H		56
SLV/SEV.80.80.185.2.52H		57
SLV/SEV.80.80.200.2.52H		58
SLV/SEV.80.80.220.2.52H		59
SLV/SEV.80.80.240.2.52H		60
SLV/SEV.80.80.265.2.52H		61

### SL and SE pumps with closed S-tube® impeller

Pump type	Pressure range	Curve chart on page	
SL1/SE1.75.100.130.2.52S	Super-high	62	
SL1/SE1.75.100.150.2.52S		63	
SL1/SE1.75.100.170.2.52S		64	
SL1/SE1.75.100.185.2.52S		65	
SL1/SE1.80.100.200.2.52S		66	
SL1/SE1.80.100.220.2.52S		67	
SL1/SE1.80.100.240.2.52S		68	
SL1/SE1.80.100.265.2.52S		69	
SL1/SE1.85.100.100.4.52H		High	70
SL1/SE1.85.100.110.4.52H	71		
SL1/SE1.85.100.130.4.52H	72		
SL1/SE1.85.100.150.4.52H	73		
SL1/SE1.95.100.170.4.52H	74		
SL1/SE1.95.100.185.4.52H	75		
SL1/SE1.95.100.200.4.52H	76		
SL1/SE1.95.100.220.4.52H	77		
SL1/SE1.85.150.100.4.52H	78		
SL1/SE1.85.150.110.4.52H	79		
SL1/SE1.85.150.130.4.52H	80		
SL1/SE1.85.150.150.4.52H	81		
SL1/SE1.95.150.170.4.52H	82		
SL1/SE1.95.150.185.4.52H	83		
SL1/SE1.95.150.200.4.52H	84		
SL1/SE1.95.150.220.4.52H	85		
SL1/SE1.110.200.100.4.52M	Medium		86
SL1/SE1.110.200.110.4.52M			87
SL1/SE1.110.200.130.4.52M			88
SL1/SE1.110.200.150.4.52M			89
SL1/SE1.110.200.170.4.52M			90
SL1/SE1.110.200.185.4.52M		91	
SL1/SE1.110.200.200.4.52M		92	
SL1/SE1.110.200.220.4.52M	93		
SL2/SE2.110.250.100.4.52L	Low	94	
SL2/SE2.110.250.130.4.52L		95	
SL2/SE2.110.250.150.4.52L		96	
SL2/SE2.110.250.170.4.52L		97	
SL2/SE2.110.250.185.4.52L		98	
SL2/SE2.110.250.200.4.52L		99	
SL2/SE2.110.250.220.4.52L	100		
SL2/SE2.125.300.110.6.52E	Extra-low	101	
SL2/SE2.125.300.130.6.52E		102	
SL2/SE2.125.300.160.6.52E		103	
SL2/SE2.125.300.180.6.52E		104	

### 3. Identification

#### Nameplate



TM05 2533 0919

Fig. 2 Pump nameplate

Pos.	Description
1	Approvals
2	EU explosion-proof motor Ex symbol
3	Explosion protection certificate no.
4	Ex description
5	Ambient temperature
6	Pump type designation
7	Pump type designation (line 2)
8	Model number
9	Production code (year and week)
10	Enclosure class
11	Maximum installation depth
12	Maximum head
13	Maximum flow rate
14	Number of phases
15	Maximum liquid temperature
16	Rated power input P1
17	Rated power output P2
18	Rated speed
19	Cos φ, 1/1-load
20	Rated voltage I
21	Rated current I
22	Rated voltage II
23	Rated current II
24	Frequency
25	Insulation class
26	Approval
27	Weight

#### Type key

Example: **SL1.110.200.245.4.52M.S.EX.61G**

Code	Explanation	Designation
SE	Sewage pump with cooling jacket	Pump type
SL	Sewage pump without cooling jacket	
1	One-channel closed S-tube <sup>®</sup> impeller	Impeller type
2	Two-channel closed S-tube <sup>®</sup> impeller	
V	SuperVortex (free-flow) impeller	
110	Maximum solids size	Pump free passage [mm]
200	Nominal diameter of pump outlet port	Pump outlet [mm]
245	24.5 kW; P2 / 10	Power [kW]
[ ]	Standard pump or standard Ex pump	
A	Sensor version 1 or sensor version 1, Ex pump	Sensor version
B	Sensor version 2 or sensor version 2, Ex pump	
2	2-pole motor	Number of poles
4	4-pole motor	
6	6-pole motor	
52	Frame size of the pump	Frame size
S	Super-high pressure	Pressure range
H	High pressure	
M	Medium pressure	
L	Low pressure	
E	Extra-low pressure	
S	Sewage pump without cooling jacket for vertical, submerged installation	Installation type
C	Sewage pump with cooling jacket for vertical, submerged installation	
D	Sewage pump with cooling jacket for vertical, dry installation	
H	Sewage pump with cooling jacket for horizontal, dry installation	
[ ]	Cast iron pump housing, cast iron impeller, cast iron motor housing	Material code for pump, impeller and motor housing
Q	Cast iron pump housing, EN 1.4408 impeller, cast iron motor housing	
N	Pump without ATEX approval	Pump version
Ex	Pump with ATEX approval	
5	50 Hz	Frequency [Hz]
6	60 Hz:	
1D	Standard: 380-415D, 660-690Y	Voltage
1E	220-240D, 380-415Y	
1N	500-550D	
	60 Hz:	
1F	220-230D, 380-400Y	
1G*	Standard: 380-480D, 660-690Y	
1M	575-600D	
11**	Standard: 460D	
15**	380D, 660Y	
[ ]	Thermal switches	Thermal protection
PTC	Thermistor	
Z	Custom-built product	Customisation

\* Only for 2- and 4-pole motors.

\*\* Only for 6-pole motors.

## 4. Selection of product

### Ordering a pump

When ordering an SE and SL pump, 9-30 kW, you need to take the following aspects into consideration:

- application
- pumped liquids
- pump
- custom-built variation (option)
- accessories
- controller.

### Application

Use the following table to identify the type of pump that best meets your needs. The table is for guidance only.

Description	SE, SL	SEV, SLV
Stormwater	•	•
Groundwater	•	•
Drainage and surface water	•	•
Drainage and surface water with small impurities	•	•
Abrasive surface water	•	•
Wastewater with long fibers, e.g. from laundries	•	•
Domestic wastewater with discharge from toilets	•	•
Municipal sewage	•	•
Sewage from commercial buildings	•	•
Industrial process water with solids and fibers		•
Industrial process water with solids	•	•
Industrial process water without solids and fibers	•	

### Pumped Liquids

See page 48

### Pump

Use *Product range* on page 9 and *Identification* on page 7 to identify the pump that best fulfils your needs. The list below is a detailed description of the product you get if you order the following pump:

Pump	Product no.
SL1.80.100.265.2.52S.S.N.51D	98145049

- pump as specified in the type key
- 10 m cable
- paint: black, NCS 9000/N, thickness 150 µm
- three thermal switches, one in each phase, or three thermal sensors (PTC)
- one moisture switch below the motor top cover (two moisture switches below the motor top cover on explosion-proof versions)
- test according to ISO 9906:2012, grade 3B.

See *Performance curves and technical data* on page 54 for selection of a standard pump.

**Note:** Product data for the pump can also be seen in Grundfos Product Center using the product number 98145049.

### Custom-built variants

The SE and SL pumps can be customised to meet individual requirements. Many pump features and options are available for customisation, e.g. explosion-proof versions, various cable lengths or special materials.

Variants can be seen in *List of variants* on page 29. For requirements or designs not included in the list, please contact Grundfos.

### Accessories

Depending on the installation type, you may need to order accessories. See *Accessories* on page 105 for selection of the correct accessories.

**Note:** Ordered accessories are not factory-fitted.

### Controller

The following controllers are available:

- LC, LCD 107 with level pickups
- LC, LCD 108 with float switches
- LC, LCD 110 with level electrodes
- Grundfos Dedicated Controls
- CUE/VFD frequency controller for surface treatment and speed-controlled operation.



**Fig. 3** Grundfos Dedicated Controls

Grundfos Dedicated Controls is a control system designed for installation in either commercial buildings or network pumping stations with one to six pumps.

As standard, the system is supplied with application-optimised software and can be configured to meet your specific pumping needs.

For further information about Grundfos Dedicated Controls, see page 48.



## 5. Product range

### SE pumps for dry or submerged installation, 10 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand*	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SE1.75.100.130.2.52S.C.N.51D	98179798	10	S	2	75	-	96308237	96090994	96102255
SE1.75.100.130.2.52S.H.N.51D	98179799	10	S	2	75	98113361	-	-	-
SE1.75.100.150.2.52S.C.N.51D	98174801	10	S	2	75	-	96308237	96090994	96102255
SE1.75.100.150.2.52S.H.N.51D	98174802	10	S	2	75	98113361	-	-	-
SE1.75.100.170.2.52S.C.N.51D	98179795	10	S	2	75	-	96308237	96090994	96102255
SE1.75.100.170.2.52S.H.N.51D	98179796	10	S	2	75	98113361	-	-	-
SE1.75.100.185.2.52S.C.N.51D	98174788	10	S	2	75	-	96308237	96090994	96102255
SE1.80.100.185.2.52S.H.N.51D	98174789	10	S	2	75	98113361	-	-	-
SE1.80.100.200.2.52S.C.N.51D	98179792	10	S	2	80	-	96308237	96090994	96102255
SE1.80.100.200.2.52S.H.N.51D	98179793	10	S	2	80	98113361	-	-	-
SE1.80.100.220.2.52S.C.N.51D	98171785	10	S	2	80	-	96308237	96090994	96102255
SE1.80.100.220.2.52S.H.N.51D	98171786	10	S	2	80	98113361	-	-	-
SE1.80.100.240.2.52S.C.N.51D	98179779	10	S	2	80	-	96308237	96090994	96102255
SE1.80.100.240.2.52S.H.N.51D	98179780	10	S	2	80	98113361	-	-	-
SE1.80.100.265.2.52S.C.N.51D	97145062	10	S	2	80	-	96308237	96090994	96102255
SE1.80.100.265.2.52S.H.N.51D	97145063	10	S	2	80	98113361	-	-	-
SE1.85.100.100.4.52H.C.N.51D	99110073	10	H	4	85	-	96308238	96090994	96102314
SE1.85.100.100.4.52H.H.N.51D	99110081	10	H	4	85	98113365	-	-	-
SE1.85.100.110.4.52H.C.N.51D	99110074	10	H	4	85	-	96308238	96090994	96102314
SE1.85.100.110.4.52H.H.N.51D	99110082	10	H	4	85	98113365	-	-	-
SE1.85.100.130.4.52H.C.N.51D	99110075	10	H	4	85	-	96308238	96090994	96102314
SE1.85.100.130.4.52H.H.N.51D	99110083	10	H	4	85	98113365	-	-	-
SE1.85.100.150.4.52H.C.N.51D	99110076	10	H	4	85	-	96308238	96090994	96102314
SE1.85.100.150.4.52H.H.N.51D	99110084	10	H	4	85	98113365	-	-	-
SE1.95.100.170.4.52H.C.N.51D	99110077	10	H	4	95	-	96308238	96090994	96102314
SE1.95.100.170.4.52H.H.N.51D	99110085	10	H	4	95	98113365	-	-	-
SE1.95.100.185.4.52H.C.N.51D	99110078	10	H	4	95	-	96308238	96090994	96102314
SE1.95.100.185.4.52H.H.N.51D	99110087	10	H	4	95	98113365	-	-	-
SE1.95.100.200.4.52H.C.N.51D	99110079	10	H	4	95	-	96308238	96090994	96102314
SE1.95.100.200.4.52H.H.N.51D	99110088	10	H	4	95	98113365	-	-	-
SE1.95.100.220.4.52H.C.N.51D	99110080	10	H	4	95	-	96308238	96090994	96102314
SE1.95.100.220.4.52H.H.N.51D	99110089	10	H	4	95	98113365	-	-	-
SE1.85.150.100.4.52H.C.N.51D	98179810	10	H	4	85	-	96308238	97695489	96102256
SE1.85.150.100.4.52H.H.N.51D	97179811	10	H	4	85	98113365	-	-	-
SE1.85.150.110.4.52H.C.N.51D	98174807	10	H	4	85	-	96308238	97695489	96102256
SE1.85.150.110.4.52H.H.N.51D	98174808	10	H	4	85	98113365	-	-	-
SE1.85.150.130.4.52H.C.N.51D	98179807	10	H	4	85	-	96308238	97695489	96102256
SE1.85.150.130.4.52H.H.N.51D	98179808	10	H	4	85	98113365	-	-	-
SE1.85.150.150.4.52H.C.N.51D	98174805	10	H	4	85	-	96308238	97695489	96102256
SE1.85.150.150.4.52H.H.N.51D	98174806	10	H	4	85	98113365	-	-	-
SE1.95.150.170.4.52H.C.N.51D	98179804	10	H	4	95	-	96308238	97695489	96102256
SE1.95.150.170.4.52H.H.N.51D	98179805	10	H	4	95	98113365	-	-	-
SE1.95.150.185.4.52H.C.N.51D	98174803	10	H	4	95	-	96308238	97695489	96102256
SE1.95.150.185.4.52H.H.N.51D	98174804	10	H	4	95	98113365	-	-	-
SE1.95.150.200.4.52H.C.N.51D	98179801	10	H	4	95	-	96308238	97695489	96102256
SE1.95.150.200.4.52H.H.N.51D	98179802	10	H	4	95	98113365	-	-	-
SE1.95.150.220.4.52H.C.N.51D	98144980	10	H	4	95	-	96308238	97695489	96102256
SE1.95.150.220.4.52H.H.N.51D	98145014	10	H	4	95	98113365	-	-	-
SE1.110.200.100.4.52M.C.N.51D	98179822	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.100.4.52M.H.N.51D	98179823	10	M	4	110	98113366	-	-	-
SE1.110.200.110.4.52M.C.N.51D	98174814	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.110.4.52M.H.N.51D	98174815	10	M	4	110	98113366	-	-	-
SE1.110.200.130.4.52M.C.N.51D	98179819	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.130.4.52M.H.N.51D	98179820	10	M	4	110	98113366	-	-	-
SE1.110.200.150.4.52M.C.N.51D	98174812	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.150.4.52M.H.N.51D	98174813	10	M	4	110	98113366	-	-	-
SE1.110.200.170.4.52M.C.N.51D	98179816	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.170.4.52M.H.N.51D	98179817	10	M	4	110	98113366	-	-	-
SE1.110.200.185.4.52M.C.N.51D	98174809	10	M	4	110	-	96094523	96641489	96789480

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand*	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SE1.110.200.185.4.52M.H.N.51D	98174810	10	M	4	110	98113366	-	-	-
SE1.110.200.200.4.52M.C.N.51D	98179813	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.200.4.52M.H.N.51D	98179814	10	M	4	110	98113366	-	-	-
SE1.110.200.220.4.52M.C.N.51D	98145015	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.220.4.52M.H.N.51D	98145022	10	M	4	110	98113366	-	-	-
SE2.110.250.100.4.52L.C.N.51D	99618280	10	L	4	110	-	-	96782483	-
SE2.110.250.100.4.52L.D.N.51D	99618281	10	L	4	110	-	96308240	-	-
SE2.110.250.100.4.52L.H.N.51D	99618282	10	L	4	110	98113367	-	-	-
SE2.110.250.130.4.52L.C.N.51D	98808440	10	L	4	110	-	-	96782483	-
SE2.110.250.130.4.52L.D.N.51D	98808441	10	L	4	110	-	96308240	-	-
SE2.110.250.130.4.52L.H.N.51D	98808442	10	L	4	110	98113367	-	-	-
SE2.110.250.150.4.52L.C.N.51D	98808436	10	L	4	110	-	-	96782483	-
SE2.110.250.150.4.52L.D.N.51D	98808437	10	L	4	110	-	96308240	-	-
SE2.110.250.150.4.52L.H.N.51D	98808438	10	L	4	110	98113367	-	-	-
SE2.110.250.170.4.52L.C.N.51D	98808432	10	L	4	110	-	-	96782483	-
SE2.110.250.170.4.52L.D.N.51D	98808433	10	L	4	110	-	96308240	-	-
SE2.110.250.170.4.52L.H.N.51D	98808434	10	L	4	110	98113367	-	-	-
SE2.110.250.185.4.52L.C.N.51D	98792604	10	L	4	110	-	-	96782483	-
SE2.110.250.185.4.52L.D.N.51D	98792605	10	L	4	110	-	96308240	-	-
SE2.110.250.185.4.52L.H.N.51D	98792606	10	L	4	110	98113367	-	-	-
SE2.110.250.200.4.52L.C.N.51D	98792600	10	L	4	110	-	-	96782483	-
SE2.110.250.200.4.52L.D.N.51D	98792601	10	L	4	110	-	96308240	-	-
SE2.110.250.200.4.52L.H.N.51D	98792602	10	L	4	110	98113367	-	-	-
SE2.110.250.220.4.52L.C.N.51D	98792596	10	L	4	110	-	-	96782483	-
SE2.110.250.220.4.52L.D.N.51D	98792597	10	L	4	110	-	96308240	-	-
SE2.110.250.220.4.52L.H.N.51D	98792598	10	L	4	110	98113367	-	-	-
SE2.125.300.110.6.52E.C.N.51D	99354608	10	E	6	125	-	-	96782484	-
SE2.125.300.110.6.52E.D.N.51D	99354609	10	E	6	125	-	96308241	-	-
SE2.125.300.110.6.52E.H.N.51D	99354610	10	E	6	125	98113369	-	-	-
SE2.125.300.130.6.52E.C.N.51D	99354749	10	E	6	125	-	-	96782484	-
SE2.125.300.130.6.52E.D.N.51D	99354751	10	E	6	125	-	96308241	-	-
SE2.125.300.130.6.52E.H.N.51D	99354752	10	E	6	125	98113369	-	-	-
SE2.125.300.160.6.52E.C.N.51D	99354762	10	E	6	125	-	-	96782484	-
SE2.125.300.160.6.52E.D.N.51D	99354763	10	E	6	125	-	96308241	-	-
SE2.125.300.160.6.52E.H.N.51D	99354764	10	E	6	125	98113369	-	-	-
SE2.125.300.180.6.52E.C.N.51D	99354773	10	E	6	125	-	-	96782484	-
SE2.125.300.180.6.52E.D.N.51D	99354775	10	E	6	125	-	96308241	-	-
SE2.125.300.180.6.52E.H.N.51D	99354776	10	E	6	125	98113369	-	-	-

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SE pumps with stainless steel impeller for dry or submerged installation, 10 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand*	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SE1.75.100.130.2.52S.C.Q.N.51D	99411779	10	S	2	75	-	96308237	96090994	96102255
SE1.75.100.130.2.52S.H.Q.N.51D	99411780	10	S	2	75	98113361	-	-	-
SE1.75.100.150.2.52S.C.Q.N.51D	99411770	10	S	2	75	-	96308237	96090994	96102255
SE1.75.100.150.2.52S.H.Q.N.51D	99411771	10	S	2	75	98113361	-	-	-
SE1.75.100.170.2.52S.C.Q.N.51D	99411762	10	S	2	75	-	96308237	96090994	96102255
SE1.75.100.170.2.52S.H.Q.N.51D	99411763	10	S	2	75	98113361	-	-	-
SE1.75.100.185.2.52S.C.Q.N.51D	99411753	10	S	2	75	-	96308237	96090994	96102255
SE1.75.100.185.2.52S.H.Q.N.51D	99411754	10	S	2	75	98113361	-	-	-
SE1.80.100.200.2.52S.C.Q.N.51D	99411724	10	S	2	80	-	96308237	96090994	96102255
SE1.80.100.200.2.52S.H.Q.N.51D	99411725	10	S	2	80	98113361	-	-	-
SE1.80.100.220.2.52S.C.Q.N.51D	99411715	10	S	2	80	-	96308237	96090994	96102255
SE1.80.100.220.2.52S.H.Q.N.51D	99411716	10	S	2	80	98113361	-	-	-
SE1.80.100.240.2.52S.C.Q.N.51D	99411697	10	S	2	80	-	96308237	96090994	96102255
SE1.80.100.240.2.52S.H.Q.N.51D	99411698	10	S	2	80	98113361	-	-	-

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand*	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SE1.80.100.265.2.52S.C.Q.N.51D	99411475	10	S	2	80	-	96308237	96090994	96102255
SE1.80.100.265.2.52S.H.Q.N.51D	99411477	10	S	2	80	98113361	-	-	-
SE1.85.100.100.4.52H.C.Q.N.51D	99411949	10	H	4	85	-	96308238	96090994	96102314
SE1.85.100.100.4.52H.H.Q.N.51D	99411950	10	H	4	85	98113365	-	-	-
SE1.85.100.110.4.52H.C.Q.N.51D	99411931	10	H	4	85	-	96308238	96090994	96102314
SE1.85.100.110.4.52H.H.Q.N.51D	99411932	10	H	4	85	98113365	-	-	-
SE1.85.100.130.4.52H.C.Q.N.51D	99411913	10	H	4	85	-	96308238	96090994	96102314
SE1.85.100.130.4.52H.H.Q.N.51D	99411914	10	H	4	85	98113365	-	-	-
SE1.85.100.150.4.52H.C.Q.N.51D	99411896	10	H	4	85	-	96308238	96090994	96102314
SE1.85.100.150.4.52H.H.Q.N.51D	99411897	10	H	4	85	98113365	-	-	-
SE1.95.100.170.4.52H.C.Q.N.51D	99411879	10	H	4	95	-	96308238	96090994	96102314
SE1.95.100.170.4.52H.H.Q.N.51D	99411880	10	H	4	95	98113365	-	-	-
SE1.95.100.185.4.52H.C.Q.N.51D	99411841	10	H	4	95	-	96308238	96090994	96102314
SE1.95.100.185.4.52H.H.Q.N.51D	99411842	10	H	4	95	98113365	-	-	-
SE1.95.100.200.4.52H.C.Q.N.51D	99411824	10	H	4	95	-	96308238	96090994	96102314
SE1.95.100.200.4.52H.H.Q.N.51D	99411825	10	H	4	95	98113365	-	-	-
SE1.95.100.220.4.52H.C.Q.N.51D	99411796	10	H	4	95	-	96308238	96090994	96102314
SE1.95.100.220.4.52H.H.Q.N.51D	99411797	10	H	4	95	98113365	-	-	-
SE1.85.150.100.4.52H.C.Q.N.51D	99411940	10	H	4	85	-	96308238	97695489	96102256
SE1.85.150.100.4.52H.H.Q.N.51D	99411941	10	H	4	85	98113365	-	-	-
SE1.85.150.110.4.52H.C.Q.N.51D	99411922	10	H	4	85	-	96308238	97695489	96102256
SE1.85.150.110.4.52H.H.Q.N.51D	99411923	10	H	4	85	98113365	-	-	-
SE1.85.150.130.4.52H.C.Q.N.51D	99411905	10	H	4	85	-	96308238	97695489	96102256
SE1.85.150.130.4.52H.H.Q.N.51D	99411906	10	H	4	85	98113365	-	-	-
SE1.85.150.150.4.52H.C.Q.N.51D	99411887	10	H	4	85	-	96308238	97695489	96102256
SE1.85.150.150.4.52H.H.Q.N.51D	99411888	10	H	4	85	98113365	-	-	-
SE1.95.150.170.4.52H.C.Q.N.51D	99411870	10	H	4	95	-	96308238	97695489	96102256
SE1.95.150.170.4.52H.H.Q.N.51D	99411871	10	H	4	95	98113365	-	-	-
SE1.95.150.185.4.52H.C.Q.N.51D	99411832	10	H	4	95	-	96308238	97695489	96102256
SE1.95.150.185.4.52H.H.Q.N.51D	99411833	10	H	4	95	98113365	-	-	-
SE1.95.150.200.4.52H.C.Q.N.51D	99411815	10	H	4	95	-	96308238	97695489	96102256
SE1.95.150.200.4.52H.H.Q.N.51D	99411816	10	H	4	95	98113365	-	-	-
SE1.95.150.220.4.52H.C.Q.N.51D	99411787	10	H	4	95	-	96308238	97695489	96102256
SE1.95.150.220.4.52H.H.Q.N.51D	99411788	10	H	4	95	98113365	-	-	-
SE1.110.200.100.4.52M.C.Q.N.51D	99412017	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.100.4.52M.H.Q.N.51D	99412018	10	M	4	110	98113366	-	-	-
SE1.110.200.110.4.52M.C.Q.N.51D	99412008	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.110.4.52M.H.Q.N.51D	99412009	10	M	4	110	98113366	-	-	-
SE1.110.200.130.4.52M.C.Q.N.51D	99412000	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.130.4.52M.H.Q.N.51D	99412001	10	M	4	110	98113366	-	-	-
SE1.110.200.150.4.52M.C.Q.N.51D	99411991	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.150.4.52M.H.Q.N.51D	99411992	10	M	4	110	98113366	-	-	-
SE1.110.200.170.4.52M.C.Q.N.51D	99411983	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.170.4.52M.H.Q.N.51D	99411984	10	M	4	110	98113366	-	-	-
SE1.110.200.185.4.52M.C.Q.N.51D	99411974	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.185.4.52M.H.Q.N.51D	99411975	10	M	4	110	98113366	-	-	-
SE1.110.200.200.4.52M.C.Q.N.51D	99411966	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.200.4.52M.H.Q.N.51D	99411967	10	M	4	110	98113366	-	-	-
SE1.110.200.220.4.52M.C.Q.N.51D	99411957	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.220.4.52M.H.Q.N.51D	99411958	10	M	4	110	98113366	-	-	-
SE2.110.250.100.4.52L.C.Q.N.51D	99618302	10	L	4	110	-	-	96782483	-
SE2.110.250.100.4.52L.D.Q.N.51D	99618303	10	L	4	110	-	96308240	-	-
SE2.110.250.100.4.52L.H.Q.N.51D	99618304	10	L	4	110	98113367	-	-	-
SE2.110.250.130.4.52L.C.Q.N.51D	99412096	10	L	4	110	-	-	96782483	-
SE2.110.250.130.4.52L.D.Q.N.51D	99412097	10	L	4	110	-	96308240	-	-
SE2.110.250.130.4.52L.H.Q.N.51D	99412098	10	L	4	110	98113367	-	-	-
SE2.110.250.150.4.52L.C.Q.N.51D	99412084	10	L	4	110	-	-	96782483	-
SE2.110.250.150.4.52L.D.Q.N.51D	99412085	10	L	4	110	-	96308240	-	-
SE2.110.250.150.4.52L.H.Q.N.51D	99412086	10	L	4	110	98113367	-	-	-
SE2.110.250.170.4.52L.C.Q.N.51D	99412072	10	L	4	110	-	-	96782483	-
SE2.110.250.170.4.52L.D.Q.N.51D	99412073	10	L	4	110	-	96308240	-	-
SE2.110.250.170.4.52L.H.Q.N.51D	99412074	10	L	4	110	98113367	-	-	-
SE2.110.250.185.4.52L.C.Q.N.51D	99412060	10	L	4	110	-	-	96782483	-
SE2.110.250.185.4.52L.D.Q.N.51D	99412061	10	L	4	110	-	96308240	-	-

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand*	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SE2.110.250.185.4.52L.H.Q.N.51D	99412062	10	L	4	110	98113367	-	-	-
SE2.110.250.200.4.52L.C.Q.N.51D	99412038	10	L	4	110	-	-	96782483	-
SE2.110.250.200.4.52L.D.Q.N.51D	99412039	10	L	4	110	-	96308240	-	-
SE2.110.250.200.4.52L.H.Q.N.51D	99412040	10	L	4	110	98113367	-	-	-
SE2.110.250.220.4.52L.C.Q.N.51D	99412026	10	L	4	110	-	-	96782483	-
SE2.110.250.220.4.52L.D.Q.N.51D	99412027	10	L	4	110	-	96308240	-	-
SE2.110.250.220.4.52L.H.Q.N.51D	99412028	10	L	4	110	98113367	-	-	-
SE2.125.300.110.6.52E.C.Q.N.51D	99412147	10	E	6	125	-	-	96782484	-
SE2.125.300.110.6.52E.D.Q.N.51D	99412148	10	E	6	125	-	96308241	-	-
SE2.125.300.110.6.52E.H.Q.N.51D	99412149	10	E	6	125	98113369	-	-	-
SE2.125.300.130.6.52E.C.Q.N.51D	99412137	10	E	6	125	-	-	96782484	-
SE2.125.300.130.6.52E.D.Q.N.51D	99412138	10	E	6	125	-	96308241	-	-
SE2.125.300.130.6.52E.H.Q.N.51D	99412139	10	E	6	125	98113369	-	-	-
SE2.125.300.160.6.52E.C.Q.N.51D	99412117	10	E	6	125	-	-	96782484	-
SE2.125.300.160.6.52E.D.Q.N.51D	99412118	10	E	6	125	-	96308241	-	-
SE2.125.300.160.6.52E.H.Q.N.51D	99412119	10	E	6	125	98113369	-	-	-
SE2.125.300.180.6.52E.C.Q.N.51D	99412107	10	E	6	125	-	-	96782484	-
SE2.125.300.180.6.52E.D.Q.N.51D	99412108	10	E	6	125	-	96308241	-	-
SE2.125.300.180.6.52E.H.Q.N.51D	99412109	10	E	6	125	98113369	-	-	-

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SE pumps for dry or submerged installation (Australia), 15 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand*	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SE1.75.100.130.2.52S.C.N.51D.PTC	98179935	15	S	2	75	-	96308237	96090994	96102255
SE1.75.100.130.2.52S.H.N.51D.PTC	98179936	15	S	2	75	98113361	-	-	-
SE1.75.100.150.2.52S.C.N.51D.PTC	98174915	15	S	2	75	-	96308237	96090994	96102255
SE1.75.100.150.2.52S.H.N.51D.PTC	98174916	15	S	2	75	98113361	-	-	-
SE1.75.100.170.2.52S.C.N.51D.PTC	98179932	15	S	2	75	-	96308237	96090994	96102255
SE1.75.100.170.2.52S.H.N.51D.PTC	98179933	15	S	2	75	98113361	-	-	-
SE1.75.100.185.2.52S.C.N.51D.PTC	98174812	15	S	2	75	-	96308237	96090994	96102255
SE1.75.100.185.2.52S.H.N.51D.PTC	98174813	15	S	2	75	98113361	-	-	-
SE1.80.100.200.2.52S.C.N.51D.PTC	98179929	15	S	2	80	-	96308237	96090994	96102255
SE1.80.100.200.2.52S.H.N.51D.PTC	98179930	15	S	2	80	98113361	-	-	-
SE1.80.100.220.2.52S.C.N.51D.PTC	98174909	15	S	2	80	-	96308237	96090994	96102255
SE1.80.100.220.2.52S.H.N.51D.PTC	98174910	15	S	2	80	98113361	-	-	-
SE1.80.100.240.2.52S.C.N.51D.PTC	98179926	15	S	2	80	-	96308237	96090994	96102255
SE1.80.100.240.2.52S.H.N.51D.PTC	98179927	15	S	2	80	98113361	-	-	-
SE1.80.100.265.2.52S.C.N.51D.PTC	98174906	15	S	2	80	-	96308237	96090994	96102255
SE1.80.100.265.2.52S.H.N.51D.PTC	98174907	15	S	2	80	98113361	-	-	-
SE1.85.100.100.4.52H.C.N.51D.PTC	99110120	15	H	4	85	-	96308238	96090994	96102314
SE1.85.100.100.4.52H.H.N.51D.PTC	99110128	15	H	4	85	98113365	-	-	-
SE1.85.100.110.4.52H.C.N.51D.PTC	99110121	15	H	4	85	-	96308238	96090994	96102314
SE1.85.100.110.4.52H.H.N.51D.PTC	99110129	15	H	4	85	98113365	-	-	-
SE1.85.100.130.4.52H.C.N.51D.PTC	99110122	15	H	4	85	-	96308238	96090994	96102314
SE1.85.100.130.4.52H.H.N.51D.PTC	99110130	15	H	4	85	98113365	-	-	-
SE1.85.100.150.4.52H.C.N.51D.PTC	99110123	15	H	4	85	-	96308238	96090994	96102314
SE1.85.100.150.4.52H.H.N.51D.PTC	99110131	15	H	4	85	98113365	-	-	-
SE1.95.100.170.4.52H.C.N.51D.PTC	99110124	15	H	4	95	-	96308238	96090994	96102314
SE1.95.100.170.4.52H.H.N.51D.PTC	99110132	15	H	4	95	98113365	-	-	-
SE1.95.100.185.4.52H.C.N.51D.PTC	99110125	15	H	4	95	-	96308238	96090994	96102314
SE1.95.100.185.4.52H.H.N.51D.PTC	99110133	15	H	4	95	98113365	-	-	-
SE1.95.100.200.4.52H.C.N.51D.PTC	99110126	15	H	4	95	-	96308238	96090994	96102314
SE1.95.100.200.4.52H.H.N.51D.PTC	99110134	15	H	4	95	98113365	-	-	-
SE1.95.100.220.4.52H.C.N.51D.PTC	99110127	15	H	4	95	-	96308238	96090994	96102314
SE1.95.100.220.4.52H.H.N.51D.PTC	99110135	15	H	4	95	98113365	-	-	-
SE1.85.150.100.4.52H.C.N.51D.PTC	98179947	15	H	4	85	-	96308238	97695489	96102256
SE1.85.150.100.4.52H.H.N.51D.PTC	98179948	15	H	4	85	98113365	-	-	-

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand*	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SE1.85.150.110.4.52H.C.N.51D.PTC	98174927	15	H	4	85	-	96308238	97695489	96102256
SE1.85.150.110.4.52H.H.N.51D.PTC	98174928	15	H	4	85	98113365	-	-	-
SE1.85.150.130.4.52H.C.N.51D.PTC	98179944	15	H	4	85	-	96308238	97695489	96102256
SE1.85.150.130.4.52H.H.N.51D.PTC	98179945	15	H	4	85	98113365	-	-	-
SE1.85.150.150.4.52H.C.N.51D.PTC	98174924	15	H	4	85	-	96308238	97695489	96102256
SE1.85.150.150.4.52H.H.N.51D.PTC	98174925	15	H	4	85	98113365	-	-	-
SE1.95.150.170.4.52H.C.N.51D.PTC	98179941	15	H	4	95	-	96308238	97695489	96102256
SE1.95.150.170.4.52H.H.N.51D.PTC	98179942	15	H	4	95	98113365	-	-	-
SE1.95.150.185.4.52H.C.N.51D.PTC	98174921	15	H	4	95	-	96308238	97695489	96102256
SE1.95.150.185.4.52H.H.N.51D.PTC	98174922	15	H	4	95	98113365	-	-	-
SE1.95.150.200.4.52H.C.N.51D.PTC	98179938	15	H	4	95	-	96308238	97695489	96102256
SE1.95.150.200.4.52H.H.N.51D.PTC	98179939	15	H	4	95	98113365	-	-	-
SE1.95.150.220.4.52H.C.N.51D.PTC	98174918	15	H	4	95	-	96308238	97695489	96102256
SE1.95.150.220.4.52H.H.N.51D.PTC	98174919	15	H	4	95	98113365	-	-	-
SE1.110.200.100.4.52M.C.N.51D.PTC	98179959	15	M	4	110	-	96094523	96641489	96789480
SE1.110.200.100.4.52M.H.N.51D.PTC	98179960	15	M	4	110	98113366	-	-	-
SE1.110.200.110.4.52M.C.N.51D.PTC	98174939	15	M	4	110	-	96094523	96641489	96789480
SE1.110.200.110.4.52M.H.N.51D.PTC	98174940	15	M	4	110	98113366	-	-	-
SE1.110.200.130.4.52M.C.N.51D.PTC	98179956	15	M	4	110	-	96094523	96641489	96789480
SE1.110.200.130.4.52M.H.N.51D.PTC	98179957	15	M	4	110	98113366	-	-	-
SE1.110.200.150.4.52M.C.N.51D.PTC	98174936	15	M	4	110	-	96094523	96641489	96789480
SE1.110.200.150.4.52M.H.N.51D.PTC	98174937	15	M	4	110	98113366	-	-	-
SE1.110.200.170.4.52M.C.N.51D.PTC	98179953	15	M	4	110	-	96094523	96641489	96789480
SE1.110.200.170.4.52M.H.N.51D.PTC	98179954	15	M	4	110	98113366	-	-	-
SE1.110.200.185.4.52M.C.N.51D.PTC	98174933	15	M	4	110	-	96094523	96641489	96789480
SE1.110.200.185.4.52M.H.N.51D.PTC	98174934	15	M	4	110	98113366	-	-	-
SE1.110.200.200.4.52M.C.N.51D.PTC	98179950	15	M	4	110	-	96094523	96641489	96789480
SE1.110.200.200.4.52M.H.N.51D.PTC	98179951	15	M	4	110	98113366	-	-	-
SE1.110.200.220.4.52M.C.N.51D.PTC	98174930	15	M	4	110	-	96094523	96641489	96789480
SE1.110.200.220.4.52M.H.N.51D.PTC	98174931	15	M	4	110	98113366	-	-	-
SE2.110.250.100.4.52L.C.N.51D.PTC	99618294	15	L	4	110	-	-	96782483	-
SE2.110.250.100.4.52L.D.N.51D.PTC	99618295	15	L	4	110	-	96308240	-	-
SE2.110.250.100.4.52L.H.N.51D.PTC	99618296	15	L	4	110	98113367	-	-	-
SE2.110.250.130.4.52L.C.N.51D.PTC	98808452	15	L	4	110	-	-	96782483	-
SE2.110.250.130.4.52L.D.N.51D.PTC	98808453	15	L	4	110	-	96308240	-	-
SE2.110.250.130.4.52L.H.N.51D.PTC	98808454	15	L	4	110	98113367	-	-	-
SE2.110.250.150.4.52L.C.N.51D.PTC	98808448	15	L	4	110	-	-	96782483	-
SE2.110.250.150.4.52L.D.N.51D.PTC	98808449	15	L	4	110	-	96308240	-	-
SE2.110.250.150.4.52L.H.N.51D.PTC	98808450	15	L	4	110	98113367	-	-	-
SE2.110.250.170.4.52L.C.N.51D.PTC	98808444	15	L	4	110	-	-	96782483	-
SE2.110.250.170.4.52L.D.N.51D.PTC	98808445	15	L	4	110	-	96308240	-	-
SE2.110.250.170.4.52L.H.N.51D.PTC	98808446	15	L	4	110	98113367	-	-	-
SE2.110.250.185.4.52L.C.N.51D.PTC	98792616	15	L	4	110	-	-	96782483	-
SE2.110.250.185.4.52L.D.N.51D.PTC	98792617	15	L	4	110	-	96308240	-	-
SE2.110.250.185.4.52L.H.N.51D.PTC	98792618	15	L	4	110	98113367	-	-	-
SE2.110.250.200.4.52L.C.N.51D.PTC	98792600	15	L	4	110	-	-	96782483	-
SE2.110.250.200.4.52L.D.N.51D.PTC	98792601	15	L	4	110	-	96308240	-	-
SE2.110.250.200.4.52L.H.N.51D.PTC	98792602	15	L	4	110	98113367	-	-	-
SE2.110.250.220.4.52L.C.N.51D.PTC	98792596	15	L	4	110	-	-	96782483	-
SE2.110.250.220.4.52L.D.N.51D.PTC	98792597	15	L	4	110	-	96308240	-	-
SE2.110.250.220.4.52L.H.N.51D.PTC	98792598	15	L	4	110	98113367	-	-	-
SE2.125.300.110.6.52E.C.N.51D.PTC	99354746	15	E	6	125	-	-	96782484	-
SE2.125.300.110.6.52E.D.N.51D.PTC	99354747	15	E	6	125	-	96308241	-	-
SE2.125.300.110.6.52E.H.N.51D.PTC	99354748	15	E	6	125	98113369	-	-	-
SE2.125.300.130.6.52E.C.N.51D.PTC	99354759	15	E	6	125	-	-	96782484	-
SE2.125.300.130.6.52E.D.N.51D.PTC	99354760	15	E	6	125	-	96308241	-	-
SE2.125.300.130.6.52E.H.N.51D.PTC	99354761	15	E	6	125	98113369	-	-	-
SE2.125.300.160.6.52E.C.N.51D.PTC	99354770	15	E	6	125	-	-	96782484	-
SE2.125.300.160.6.52E.D.N.51D.PTC	99354771	15	E	6	125	-	96308241	-	-
SE2.125.300.160.6.52E.H.N.51D.PTC	99354772	15	E	6	125	98113369	-	-	-
SE2.125.300.180.6.52E.C.N.51D.PTC	99354782	15	E	6	125	-	-	96782484	-
SE2.125.300.180.6.52E.D.N.51D.PTC	99354783	15	E	6	125	-	96308241	-	-
SE2.125.300.180.6.52E.H.N.51D	99354784	15	E	6	125	98113369	-	-	-

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SE pumps with stainless steel impeller for dry or submerged installation (Australia), 15 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Horizontal base stand*	Accessories			
							To be ordered separately			
							Vertical base stand	Auto coupling	Ring stand	
SE1.75.100.130.2.52S.C.Q.N.51D.PTC	99411785	15	S	2	75	-	96308237	96090994	96102255	
SE1.75.100.130.2.52S.H.Q.N.51D.PTC	99411786	15	S	2	75	98113361	-	-	-	
SE1.75.100.150.2.52S.C.Q.N.51D.PTC	99411776	15	S	2	75	-	96308237	96090994	96102255	
SE1.75.100.150.2.52S.H.Q.N.51D.PTC	99411777	15	S	2	75	98113361	-	-	-	
SE1.75.100.170.2.52S.C.Q.N.51D.PTC	99411768	15	S	2	75	-	96308237	96090994	96102255	
SE1.75.100.170.2.52S.H.Q.N.51D.PTC	99411769	15	S	2	75	98113361	-	-	-	
SE1.75.100.185.2.52S.C.Q.N.51D.PTC	99411759	15	S	2	75	-	96308237	96090994	96102255	
SE1.75.100.185.2.52S.H.Q.N.51D.PTC	99411760	15	S	2	75	98113361	-	-	-	
SE1.80.100.200.2.52S.C.Q.N.51D.PTC	99411731	15	S	2	80	-	96308237	96090994	96102255	
SE1.80.100.200.2.52S.H.Q.N.51D.PTC	99411732	15	S	2	80	98113361	-	-	-	
SE1.80.100.220.2.52S.C.Q.N.51D.PTC	99411721	15	S	2	80	-	96308237	96090994	96102255	
SE1.80.100.220.2.52S.H.Q.N.51D.PTC	99411722	15	S	2	80	98113361	-	-	-	
SE1.80.100.240.2.52S.C.Q.N.51D.PTC	99411713	15	S	2	80	-	96308237	96090994	96102255	
SE1.80.100.240.2.52S.H.Q.N.51D.PTC	99411714	15	S	2	80	98113361	-	-	-	
SE1.80.100.265.2.52S.C.Q.N.51D.PTC	99411695	15	S	2	80	-	96308237	96090994	96102255	
SE1.80.100.265.2.52S.H.Q.N.51D.PTC	99411696	15	S	2	80	98113361	-	-	-	
SE1.85.100.100.4.52H.C.Q.N.51D.PTC	99411955	15	H	4	85	-	96308238	96090994	96102314	
SE1.85.100.100.4.52H.H.Q.N.51D.PTC	99411956	15	H	4	85	98113365	-	-	-	
SE1.85.100.110.4.52H.C.Q.N.51D.PTC	99411937	15	H	4	85	-	96308238	96090994	96102314	
SE1.85.100.110.4.52H.H.Q.N.51D.PTC	99411938	15	H	4	85	98113365	-	-	-	
SE1.85.100.130.4.52H.C.Q.N.51D.PTC	99411919	15	H	4	85	-	96308238	96090994	96102314	
SE1.85.100.130.4.52H.H.Q.N.51D.PTC	99411920	15	H	4	85	98113365	-	-	-	
SE1.85.100.150.4.52H.C.Q.N.51D.PTC	99411902	15	H	4	85	-	96308238	96090994	96102314	
SE1.85.100.150.4.52H.H.Q.N.51D.PTC	99411903	15	H	4	85	98113365	-	-	-	
SE1.95.100.170.4.52H.C.Q.N.51D.PTC	99411885	15	H	4	95	-	96308238	96090994	96102314	
SE1.95.100.170.4.52H.H.Q.N.51D.PTC	99411886	15	H	4	95	98113365	-	-	-	
SE1.95.100.185.4.52H.C.Q.N.51D.PTC	99411867	15	H	4	95	-	96308238	96090994	96102314	
SE1.95.100.185.4.52H.H.Q.N.51D.PTC	99411868	15	H	4	95	98113365	-	-	-	
SE1.95.100.200.4.52H.C.Q.N.51D.PTC	99411830	15	H	4	95	-	96308238	96090994	96102314	
SE1.95.100.200.4.52H.H.Q.N.51D.PTC	99411831	15	H	4	95	98113365	-	-	-	
SE1.95.100.220.4.52H.C.Q.N.51D.PTC	99411802	15	H	4	95	-	96308238	96090994	96102314	
SE1.95.100.220.4.52H.H.Q.N.51D.PTC	99411813	15	H	4	95	98113365	-	-	-	
SE1.85.150.100.4.52H.C.Q.N.51D.PTC	99411946	15	H	4	85	-	96308238	97695489	96102256	
SE1.85.150.100.4.52H.H.Q.N.51D.PTC	99411947	15	H	4	85	98113365	-	-	-	
SE1.85.150.110.4.52H.C.Q.N.51D.PTC	99411928	15	H	4	85	-	96308238	97695489	96102256	
SE1.85.150.110.4.52H.H.Q.N.51D.PTC	99411929	15	H	4	85	98113365	-	-	-	
SE1.85.150.130.4.52H.C.Q.N.51D.PTC	99411911	15	H	4	85	-	96308238	97695489	96102256	
SE1.85.150.130.4.52H.H.Q.N.51D.PTC	99411912	15	H	4	85	98113365	-	-	-	
SE1.85.150.150.4.52H.C.Q.N.51D.PTC	99411893	15	H	4	85	-	96308238	97695489	96102256	
SE1.85.150.150.4.52H.H.Q.N.51D.PTC	99411894	15	H	4	85	98113365	-	-	-	
SE1.95.150.170.4.52H.C.Q.N.51D.PTC	99411876	15	H	4	95	-	96308238	97695489	96102256	
SE1.95.150.170.4.52H.H.Q.N.51D.PTC	99411877	15	H	4	95	98113365	-	-	-	
SE1.95.150.185.4.52H.C.Q.N.51D.PTC	99411838	15	H	4	95	-	96308238	97695489	96102256	
SE1.95.150.185.4.52H.H.Q.N.51D.PTC	99411839	15	H	4	95	98113365	-	-	-	
SE1.95.150.200.4.52H.C.Q.N.51D.PTC	99411821	15	H	4	95	-	96308238	97695489	96102256	
SE1.95.150.200.4.52H.H.Q.N.51D.PTC	99411822	15	H	4	95	98113365	-	-	-	
SE1.95.150.220.4.52H.C.Q.N.51D.PTC	99411793	15	H	4	95	-	96308238	97695489	96102256	
SE1.95.150.220.4.52H.H.Q.N.51D.PTC	99411794	15	H	4	95	98113365	-	-	-	
SE1.110.200.100.4.52M.C.Q.N.51D.PTC	99412023	15	M	4	110	-	96094523	96641489	96789480	
SE1.110.200.100.4.52M.H.Q.N.51D.PTC	99412024	15	M	4	110	98113366	-	-	-	
SE1.110.200.110.4.52M.C.Q.N.51D.PTC	99412014	15	M	4	110	-	96094523	96641489	96789480	
SE1.110.200.110.4.52M.H.Q.N.51D.PTC	99412015	15	M	4	110	98113366	-	-	-	
SE1.110.200.130.4.52M.C.Q.N.51D.PTC	99412006	15	M	4	110	-	96094523	96641489	96789480	
SE1.110.200.130.4.52M.H.Q.N.51D.PTC	99412007	15	M	4	110	98113366	-	-	-	
SE1.110.200.150.4.52M.C.Q.N.51D.PTC	99411997	15	M	4	110	-	96094523	96641489	96789480	
SE1.110.200.150.4.52M.H.Q.N.51D.PTC	99411998	15	M	4	110	98113366	-	-	-	
SE1.110.200.170.4.52M.C.Q.N.51D.PTC	99411989	15	M	4	110	-	96094523	96641489	96789480	
SE1.110.200.170.4.52M.H.Q.N.51D.PTC	99411990	15	M	4	110	98113366	-	-	-	
SE1.110.200.185.4.52M.C.Q.N.51D.PTC	99411980	15	M	4	110	-	96094523	96641489	96789480	
SE1.110.200.185.4.52M.H.Q.N.51D.PTC	99411981	15	M	4	110	98113366	-	-	-	
SE1.110.200.200.4.52M.C.Q.N.51D.PTC	99411972	15	M	4	110	-	96094523	96641489	96789480	

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand*	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SE1.110.200.200.4.52M.H.Q.N.51D.PTC	99411973	15	M	4	110	98113366	-	-	-
SE1.110.200.220.4.52M.C.Q.N.51D.PTC	99411963	15	M	4	110	-	96094523	96641489	96789480
SE1.110.200.220.4.52M.H.Q.N.51D.PTC	99411964	15	M	4	110	98113366	-	-	-
SE2.110.250.100.4.52L.C.Q.N.51D.PTC	99618306	15	L	4	110	-	-	96782483	-
SE2.110.250.100.4.52L.D.Q.N.51D.PTC	99618307	15	L	4	110	-	96308240	-	-
SE2.110.250.100.4.52L.H.Q.N.51D.PTC	99618308	15	L	4	110	98113367	-	-	-
SE2.110.250.130.4.52L.C.Q.N.51D.PTC	99412100	15	L	4	110	-	-	96782483	-
SE2.110.250.130.4.52L.D.Q.N.51D.PTC	99412101	15	L	4	110	-	96308240	-	-
SE2.110.250.130.4.52L.H.Q.N.51D.PTC	99412102	15	L	4	110	98113367	-	-	-
SE2.110.250.150.4.52L.C.Q.N.51D.PTC	99412088	15	L	4	110	-	-	96782483	-
SE2.110.250.150.4.52L.D.Q.N.51D.PTC	99412089	15	L	4	110	-	96308240	-	-
SE2.110.250.150.4.52L.H.Q.N.51D.PTC	99412090	15	L	4	110	98113367	-	-	-
SE2.110.250.170.4.52L.C.Q.N.51D.PTC	99412076	15	L	4	110	-	-	96782483	-
SE2.110.250.170.4.52L.D.Q.N.51D.PTC	99412077	15	L	4	110	-	96308240	-	-
SE2.110.250.170.4.52L.H.Q.N.51D.PTC	99412078	15	L	4	110	98113367	-	-	-
SE2.110.250.185.4.52L.C.Q.N.51D.PTC	99412064	15	L	4	110	-	-	96782483	-
SE2.110.250.185.4.52L.D.Q.N.51D.PTC	99412065	15	L	4	110	-	96308240	-	-
SE2.110.250.185.4.52L.H.Q.N.51D.PTC	99412066	15	L	4	110	98113367	-	-	-
SE2.110.250.200.4.52L.C.Q.N.51D.PTC	99412042	15	L	4	110	-	-	96782483	-
SE2.110.250.200.4.52L.D.Q.N.51D.PTC	99412053	15	L	4	110	-	96308240	-	-
SE2.110.250.200.4.52L.H.Q.N.51D.PTC	99412054	15	L	4	110	98113367	-	-	-
SE2.110.250.220.4.52L.C.Q.N.51D.PTC	99412030	15	L	4	110	-	-	96782483	-
SE2.110.250.220.4.52L.D.Q.N.51D.PTC	99412031	15	L	4	110	-	96308240	-	-
SE2.110.250.220.4.52L.H.Q.N.51D.PTC	99412032	15	L	4	110	98113367	-	-	-
SE2.125.300.110.6.52E.C.Q.N.51D.PTC	99412154	15	E	6	125	-	-	96782484	-
SE2.125.300.110.6.52E.D.Q.N.51D.PTC	99412155	15	E	6	125	-	96308241	-	-
SE2.125.300.110.6.52E.H.Q.N.51D.PTC	99412156	15	E	6	125	98113369	-	-	-
SE2.125.300.130.6.52E.C.Q.N.51D.PTC	99412144	15	E	6	125	-	-	96782484	-
SE2.125.300.130.6.52E.D.Q.N.51D.PTC	99412145	15	E	6	125	-	96308241	-	-
SE2.125.300.130.6.52E.H.Q.N.51D.PTC	99412146	15	E	6	125	98113369	-	-	-
SE2.125.300.160.6.52E.C.Q.N.51D.PTC	99412134	15	E	6	125	-	-	96782484	-
SE2.125.300.160.6.52E.D.Q.N.51D.PTC	99412135	15	E	6	125	-	96308241	-	-
SE2.125.300.160.6.52E.H.Q.N.51D.PTC	99412136	15	E	6	125	98113369	-	-	-
SE2.125.300.180.6.52E.C.Q.N.51D.PTC	99412114	15	E	6	125	-	-	96782484	-
SE2.125.300.180.6.52E.D.Q.N.51D.PTC	99412115	15	E	6	125	-	96308241	-	-
SE2.125.300.180.6.52E.H.Q.N.51D.PTC	99412116	15	E	6	125	98113369	-	-	-

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SEV pumps for dry or submerged installation, 10 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand*	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SEV.80.80.130.2.52H.C.N.51D	98179854	10	H	2	80	-	96308237	96102240	96102313
SEV.80.80.130.2.52H.H.N.51D	98179855	10	H	2	80	98113361	-	-	-
SEV.80.80.150.2.52H.C.N.51D	98174830	10	H	2	80	-	96308237	96102240	96102313
SEV.80.80.150.2.52H.H.N.51D	98174831	10	H	2	80	98113361	-	-	-
SEV.80.80.170.2.52H.C.N.51D	98179851	10	H	2	80	-	96308237	96102240	96102313
SEV.80.80.170.2.52H.H.N.51D	98179852	10	H	2	80	98113361	-	-	-
SEV.80.80.185.2.52H.C.N.51D	98174827	10	H	2	80	-	96308237	96102240	96102313
SEV.80.80.185.2.52H.H.N.51D	98174828	10	H	2	80	98113361	-	-	-
SEV.80.80.200.2.52H.C.N.51D	98179848	10	H	2	80	-	96308237	96102240	96102313
SEV.80.80.200.2.52H.H.N.51D	98179849	10	H	2	80	98113361	-	-	-
SEV.80.80.220.2.52H.C.N.51D	98174825	10	H	2	80	-	96308237	96102240	96102313
SEV.80.80.220.2.52H.H.N.51D	98174826	10	H	2	80	98113361	-	-	-
SEV.80.80.240.2.52H.C.N.51D	98179845	10	H	2	80	-	96308237	96102240	96102313
SEV.80.80.240.2.52H.H.N.51D	98179846	10	H	2	80	98113361	-	-	-
SEV.80.80.265.2.52H.C.N.51D	98145083	10	H	2	80	-	96308237	96102240	96102313
SEV.80.80.265.2.52H.H.N.51D	98145085	10	H	2	80	98113361	-	-	-

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SEV pumps with stainless steel impeller for dry or submerged installation, 10 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand*	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SEV.80.80.130.2.52H.C.Q.N.51D	99349293	10	H	2	80	-	96308237	96102240	96102313
SEV.80.80.130.2.52H.H.Q.N.51D	99412224	10	H	2	80	98113361	-	-	-
SEV.80.80.150.2.52H.C.Q.N.51D	99407130	10	H	2	80	-	96308237	96102240	96102313
SEV.80.80.150.2.52H.H.Q.N.51D	99412217	10	H	2	80	98113361	-	-	-
SEV.80.80.170.2.52H.C.Q.N.51D	99095137	10	H	2	80	-	96308237	96102240	96102313
SEV.80.80.170.2.52H.H.Q.N.51D	99412212	10	H	2	80	98113361	-	-	-
SEV.80.80.185.2.52H.C.Q.N.51D	99079027	10	H	2	80	-	96308237	96102240	96102313
SEV.80.80.185.2.52H.H.Q.N.51D	99385721	10	H	2	80	98113361	-	-	-
SEV.80.80.200.2.52H.C.Q.N.51D	99165343	10	H	2	80	-	96308237	96102240	96102313
SEV.80.80.200.2.52H.H.Q.N.51D	99350771	10	H	2	80	98113361	-	-	-
SEV.80.80.220.2.52H.C.Q.N.51D	99412197	10	H	2	80	-	96308237	96102240	96102313
SEV.80.80.220.2.52H.H.Q.N.51D	99412198	10	H	2	80	98113361	-	-	-
SEV.80.80.240.2.52H.C.Q.N.51D	99307869	10	H	2	80	-	96308237	96102240	96102313
SEV.80.80.240.2.52H.H.Q.N.51D	99412190	10	H	2	80	98113361	-	-	-
SEV.80.80.265.2.52H.C.Q.N.51D	99059313	10	H	2	80	-	96308237	96102240	96102313
SEV.80.80.265.2.52H.H.Q.N.51D	99092976	10	H	2	80	98113361	-	-	-

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SEV pumps for dry or submerged installation (Australia), 15 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand*	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SEV.80.80.130.2.52H.C.N.51D.PTC	98179991	15	H	2	80	-	96308237	96102240	96102313
SEV.80.80.130.2.52H.H.N.51D.PTC	98179992	15	H	2	80	98113361	-	-	-
SEV.80.80.150.2.52H.C.N.51D.PTC	98174971	15	H	2	80	-	96308237	96102240	96102313
SEV.80.80.150.2.52H.H.N.51D.PTC	98174972	15	H	2	80	98113361	-	-	-
SEV.80.80.170.2.52H.C.N.51D.PTC	98179988	15	H	2	80	-	96308237	96102240	96102313
SEV.80.80.170.2.52H.H.N.51D.PTC	98179989	15	H	2	80	98113361	-	-	-
SEV.80.80.185.2.52H.C.N.51D.PTC	98174968	15	H	2	80	-	96308237	96102240	96102313
SEV.80.80.185.2.52H.H.N.51D.PTC	98174969	15	H	2	80	98113361	-	-	-
SEV.80.80.200.2.52H.C.N.51D.PTC	98179985	15	H	2	80	-	96308237	96102240	96102313
SEV.80.80.200.2.52H.H.N.51D.PTC	98179986	15	H	2	80	98113361	-	-	-
SEV.80.80.220.2.52H.C.N.51D.PTC	98174965	15	H	2	80	-	96308237	96102240	96102313
SEV.80.80.220.2.52H.H.N.51D.PTC	98174966	15	H	2	80	98113361	-	-	-
SEV.80.80.240.2.52H.C.N.51D.PTC	98179982	15	H	2	80	-	96308237	96102240	96102313
SEV.80.80.240.2.52H.H.N.51D.PTC	98179983	15	H	2	80	98113361	-	-	-
SEV.80.80.265.2.52H.C.N.51D.PTC	98174962	15	H	2	80	-	96308237	96102240	96102313
SEV.80.80.265.2.52H.H.N.51D.PTC	98174963	15	H	2	80	98113361	-	-	-

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SEV pumps with stainless steel impeller for dry or submerged installation (Australia), 15 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand*	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SEV.80.80.130.2.52H.C.Q.N.51D.PTC	99412229	15	H	2	80	-	96308237	96102240	96102313
SEV.80.80.130.2.52H.H.Q.N.51D.PTC	99412230	15	H	2	80	98113361	-	-	-
SEV.80.80.150.2.52H.C.Q.N.51D.PTC	99412222	15	H	2	80	-	96308237	96102240	96102313
SEV.80.80.150.2.52H.H.Q.N.51D.PTC	99412223	15	H	2	80	98113361	-	-	-
SEV.80.80.170.2.52H.C.Q.N.51D.PTC	99376516	15	H	2	80	-	96308237	96102240	96102313
SEV.80.80.170.2.52H.H.Q.N.51D.PTC	99412216	15	H	2	80	98113361	-	-	-

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.



Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand*	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SEV.80.80.185.2.52H.C.Q.N.51D.PTC	99412210	15	H	2	80	-	96308237	96102240	96102313
SEV.80.80.185.2.52H.H.Q.N.51D.PTC	99412211	15	H	2	80	98113361	-	-	-
SEV.80.80.200.2.52H.C.Q.N.51D.PTC	99376522	15	H	2	80	-	96308237	96102240	96102313
SEV.80.80.200.2.52H.H.Q.N.51D.PTC	99412206	15	H	2	80	98113361	-	-	-
SEV.80.80.220.2.52H.C.Q.N.51D.PTC	99412202	15	H	2	80	-	96308237	96102240	96102313
SEV.80.80.220.2.52H.H.Q.N.51D.PTC	99412203	15	H	2	80	98113361	-	-	-
SEV.80.80.240.2.52H.C.Q.N.51D.PTC	99412195	15	H	2	80	-	96308237	96102240	96102313
SEV.80.80.240.2.52H.H.Q.N.51D.PTC	99412196	15	H	2	80	98113361	-	-	-
SEV.80.80.265.2.52H.C.Q.N.51D.PTC	99412188	15	H	2	80	-	96308237	96102240	96102313
SEV.80.80.265.2.52H.H.Q.N.51D.PTC	99412189	15	H	2	80	98113361	-	-	-

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SL pumps for submerged installation, 10 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SL1.75.100.130.2.52S.S.N.51D	98179797	10	S	2	75	-	-	96090994	96102255
SL1.75.100.150.2.52S.S.N.51D	98174790	10	S	2	75	-	-	96090994	96102255
SL1.75.100.170.2.52S.S.N.51D	98179794	10	S	2	75	-	-	96090994	96102255
SL1.75.100.185.2.52S.S.N.51D	98174787	10	S	2	75	-	-	96090994	96102255
SL1.80.100.200.2.52S.S.N.51D	98179791	10	S	2	80	-	-	96090994	96102255
SL1.80.100.220.2.52S.S.N.51D	98174784	10	S	2	80	-	-	96090994	96102255
SL1.80.100.240.2.52S.S.N.51D	98179778	10	S	2	80	-	-	96090994	96102255
SL1.80.100.265.2.52S.S.N.51D	98145049	10	S	2	80	-	-	96090994	96102255
SL1.85.100.100.4.52H.S.N.51D	99110106	10	H	4	85	-	-	96090994	96102314
SL1.85.100.110.4.52H.S.N.51D	99110107	10	H	4	85	-	-	96090994	96102314
SL1.85.100.130.4.52H.S.N.51D	99110108	10	H	4	85	-	-	96090994	96102314
SL1.85.100.150.4.52H.S.N.51D	99102902	10	H	4	85	-	-	96090994	96102314
SL1.95.100.170.4.52H.S.N.51D	99110109	10	H	4	95	-	-	96090994	96102314
SL1.95.100.185.4.52H.S.N.51D	99110110	10	H	4	95	-	-	96090994	96102314
SL1.95.100.200.4.52H.S.N.51D	99110111	10	H	4	95	-	-	96090994	96102314
SL1.95.100.220.4.52H.S.N.51D	99102901	10	H	4	95	-	-	96090994	96102314
SL1.85.150.100.4.52H.S.N.51D	98179809	10	H	4	85	-	-	97695489	96102256
SL1.85.150.110.4.52H.S.N.51D	98057803	10	H	4	85	-	-	97695489	96102256
SL1.85.150.130.4.52H.S.N.51D	98179806	10	H	4	85	-	-	97695489	96102256
SL1.85.150.150.4.52H.S.N.51D	98057802	10	H	4	85	-	-	97695489	96102256
SL1.95.150.170.4.52H.S.N.51D	98179803	10	H	4	95	-	-	97695489	96102256
SL1.95.150.185.4.52H.S.N.51D	98057801	10	H	4	95	-	-	97695489	96102256
SL1.95.150.200.4.52H.S.N.51D	98179800	10	H	4	95	-	-	97695489	96102256
SL1.95.150.220.4.52H.S.N.51D	98057790	10	H	4	95	-	-	97695489	96102256
SL1.110.200.100.4.52M.S.N.51D	98179821	10	M	4	110	-	-	96641489	96789480
SL1.110.200.110.4.52M.S.N.51D	98057806	10	M	4	110	-	-	96641489	96789480
SL1.110.200.130.4.52M.S.N.51D	98179818	10	M	4	110	-	-	96641489	96789480
SL1.110.200.150.4.52M.S.N.51D	98174811	10	M	4	110	-	-	96641489	96789480
SL1.110.200.170.4.52M.S.N.51D	98179815	10	M	4	110	-	-	96641489	96789480
SL1.110.200.185.4.52M.S.N.51D	98057805	10	M	4	110	-	-	96641489	96789480
SL1.110.200.200.4.52M.S.N.51D	98179812	10	M	4	110	-	-	96641489	96789480
SL1.110.200.220.4.52M.S.N.51D	98057804	10	M	4	110	-	-	96641489	96789480
SL2.110.250.100.4.52L.S.N.51D	99618279	10	L	4	110	-	-	96782483	-
SL2.110.250.130.4.52L.S.N.51D	98808439	10	L	4	110	-	-	96782483	-
SL2.110.250.150.4.52L.S.N.51D	98808435	10	L	4	110	-	-	96782483	-
SL2.110.250.170.4.52L.S.N.51D	98808431	10	L	4	110	-	-	96782483	-
SL2.110.250.185.4.52L.S.N.51D	98792603	10	L	4	110	-	-	96782483	-
SL2.110.250.200.4.52L.S.N.51D	98792599	10	L	4	110	-	-	96782483	-
SL2.110.250.220.4.52L.S.N.51D	98792595	10	L	4	110	-	-	96782483	-
SL2.125.300.110.6.52E.S.N.51D	99296854	10	E	6	125	-	-	96782484	-
SL2.125.300.130.6.52E.S.N.51D	99296855	10	E	6	125	-	-	96782484	-
SL2.125.300.160.6.52E.S.N.51D	99296856	10	E	6	125	-	-	96782484	-
SL2.125.300.180.6.52E.S.N.51D	99296857	10	E	6	125	-	-	96782484	-

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SL pumps with stainless steel impeller for submerged installation, 10 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Horizontal base stand	Accessories		
							To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SL1.75.100.130.2.52S.S.Q.N.51D	99411778	10	S	2	75	-	-	96090994	96102255
SL1.75.100.150.2.52S.S.Q.N.51D	99363213	10	S	2	75	-	-	96090994	96102255
SL1.75.100.170.2.52S.S.Q.N.51D	99411761	10	S	2	75	-	-	96090994	96102255
SL1.75.100.185.2.52S.S.Q.N.51D	99363212	10	S	2	75	-	-	96090994	96102255
SL1.80.100.200.2.52S.S.Q.N.51D	99411723	10	S	2	80	-	-	96090994	96102255
SL1.80.100.220.2.52S.S.Q.N.51D	99363211	10	S	2	80	-	-	96090994	96102255
SL1.80.100.240.2.52S.S.Q.N.51D	99411482	10	S	2	80	-	-	96090994	96102255
SL1.80.100.265.2.52S.S.Q.N.51D	99363210	10	S	2	80	-	-	96090994	96102255
SL1.85.100.100.4.52H.S.Q.N.51D	99411948	10	H	4	85	-	-	96090994	96102314
SL1.85.100.110.4.52H.S.Q.N.51D	99411930	10	H	4	85	-	-	96090994	96102314
SL1.85.100.130.4.52H.S.Q.N.51D	99413561	10	H	4	85	-	-	96090994	96102314
SL1.85.100.150.4.52H.S.Q.N.51D	99411895	10	H	4	85	-	-	96090994	96102314
SL1.95.100.170.4.52H.S.Q.N.51D	99411878	10	H	4	95	-	-	96090994	96102314
SL1.95.100.185.4.52H.S.Q.N.51D	99411840	10	H	4	95	-	-	96090994	96102314
SL1.95.100.200.4.52H.S.Q.N.51D	99411823	10	H	4	95	-	-	96090994	96102314
SL1.95.100.220.4.52H.S.Q.N.51D	99411795	10	H	4	95	-	-	96090994	96102314
SL1.85.150.100.4.52H.S.Q.N.51D	99411939	10	H	4	85	-	-	97695489	96102256
SL1.85.150.110.4.52H.S.Q.N.51D	99411921	10	H	4	85	-	-	97695489	96102256
SL1.85.150.130.4.52H.S.Q.N.51D	99411904	10	H	4	85	-	-	97695489	96102256
SL1.85.150.150.4.52H.S.Q.N.51D	99363198	10	H	4	85	-	-	97695489	96102256
SL1.95.150.170.4.52H.S.Q.N.51D	99411869	10	H	4	95	-	-	97695489	96102256
SL1.95.150.185.4.52H.S.Q.N.51D	99363197	10	H	4	95	-	-	97695489	96102256
SL1.95.150.200.4.52H.S.Q.N.51D	99411814	10	H	4	95	-	-	97695489	96102256
SL1.95.150.220.4.52H.S.Q.N.51D	99363196	10	H	4	95	-	-	97695489	96102256
SL1.110.200.100.4.52M.S.Q.N.51D	99412016	10	M	4	110	-	-	96641489	96789480
SL1.110.200.110.4.52M.S.Q.N.51D	99363207	10	M	4	110	-	-	96641489	96789480
SL1.110.200.130.4.52M.S.Q.N.51D	99411999	10	M	4	110	-	-	96641489	96789480
SL1.110.200.150.4.52M.S.Q.N.51D	99363206	10	M	4	110	-	-	96641489	96789480
SL1.110.200.170.4.52M.S.Q.N.51D	99411982	10	M	4	110	-	-	96641489	96789480
SL1.110.200.185.4.52M.S.Q.N.51D	99363205	10	M	4	110	-	-	96641489	96789480
SL1.110.200.200.4.52M.S.Q.N.51D	99411965	10	M	4	110	-	-	96641489	96789480
SL1.110.200.220.4.52M.S.Q.N.51D	99363204	10	M	4	110	-	-	96641489	96789480
SL2.110.250.100.4.52L.S.Q.N.51D	99618301	10	L	4	110	-	-	96782483	-
SL2.110.250.130.4.52L.S.Q.N.51D	99412095	10	L	4	110	-	-	96782483	-
SL2.110.250.150.4.52L.S.Q.N.51D	99412083	10	L	4	110	-	-	96782483	-
SL2.110.250.170.4.52L.S.Q.N.51D	99412071	10	L	4	110	-	-	96782483	-
SL2.110.250.185.4.52L.S.Q.N.51D	99412059	10	L	4	110	-	-	96782483	-
SL2.110.250.200.4.52L.S.Q.N.51D	99412037	10	L	4	110	-	-	96782483	-
SL2.110.250.220.4.52L.S.Q.N.51D	99412025	10	L	4	110	-	-	96782483	-
SL2.125.300.110.6.52E.S.Q.N.51D	99412162	10	E	6	125	-	-	96782484	-
SL2.125.300.130.6.52E.S.Q.N.51D	99412160	10	E	6	125	-	-	96782484	-
SL2.125.300.160.6.52E.S.Q.N.51D	99412158	10	E	6	125	-	-	96782484	-
SL2.125.300.180.6.52E.S.Q.N.51D	99363193	10	E	6	125	-	-	96782484	-

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SL pumps for submerged installation (Australia), 15 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Horizontal base stand	Accessories		
							To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SL1.75.100.130.2.52S.S.N.51D.PTC	98179934	15	S	2	75	-	-	96090994	96102255
SL1.75.100.150.2.52S.S.N.51D.PTC	98174914	15	S	2	75	-	-	96090994	96102255
SL1.75.100.170.2.52S.S.N.51D.PTC	98179931	15	S	2	75	-	-	96090994	96102255
SL1.75.100.185.2.52S.S.N.51D.PTC	98174911	15	S	2	75	-	-	96090994	96102255
SL1.80.100.200.2.52S.S.N.51D.PTC	98179928	15	S	2	80	-	-	96090994	96102255
SL1.80.100.220.2.52S.S.N.51D.PTC	98174908	15	S	2	80	-	-	96090994	96102255
SL1.80.100.240.2.52S.S.N.51D.PTC	98179925	15	S	2	80	-	-	96090994	96102255
SL1.80.100.265.2.52S.S.N.51D.PTC	98174905	15	S	2	80	-	-	96090994	96102255
SL1.85.100.100.4.52H.S.N.51D.PTC	99110136	15	H	4	85	-	-	96090994	96102314
SL1.85.100.110.4.52H.S.N.51D.PTC	99110137	15	H	4	85	-	-	96090994	96102314

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SL1.85.100.130.4.52H.S.N.51D.PTC	99110138	15	H	4	85	-	-	96090994	96102314
SL1.85.100.150.4.52H.S.N.51D.PTC	99110140	15	H	4	85	-	-	96090994	96102314
SL1.95.100.170.4.52H.S.N.51D.PTC	99110141	15	H	4	85	-	-	96090994	96102314
SL1.95.100.185.4.52H.S.N.51D.PTC	99110142	15	H	4	85	-	-	96090994	96102314
SL1.95.100.200.4.52H.S.N.51D.PTC	99110143	15	H	4	85	-	-	96090994	96102314
SL1.95.100.220.4.52H.S.N.51D.PTC	99110144	15	H	4	85	-	-	96090994	96102314
SL1.85.150.100.4.52H.S.N.51D.PTC	98179946	15	H	4	85	-	-	97695489	96102256
SL1.85.150.110.4.52H.S.N.51D.PTC	98174926	15	H	4	85	-	-	97695489	96102256
SL1.85.150.130.4.52H.S.N.51D.PTC	98179943	15	H	4	85	-	-	97695489	96102256
SL1.85.150.150.4.52H.S.N.51D.PTC	98174923	15	H	4	85	-	-	97695489	96102256
SL1.95.150.170.4.52H.S.N.51D.PTC	98179940	15	H	4	95	-	-	97695489	96102256
SL1.95.150.185.4.52H.S.N.51D.PTC	98174920	15	H	4	95	-	-	97695489	96102256
SL1.95.150.200.4.52H.S.N.51D.PTC	98179937	15	H	4	95	-	-	97695489	96102256
SL1.95.150.220.4.52H.S.N.51D.PTC	98174917	15	H	4	95	-	-	97695489	96102256
SL1.110.200.100.4.52M.S.N.51D.PTC	98179958	15	M	4	110	-	-	96641489	96789480
SL1.110.200.110.4.52M.S.N.51D.PTC	98174938	15	M	4	110	-	-	96641489	96789480
SL1.110.200.130.4.52M.S.N.51D.PTC	98179955	15	M	4	110	-	-	96641489	96789480
SL1.110.200.150.4.52M.S.N.51D.PTC	98174935	15	M	4	110	-	-	96641489	96789480
SL1.110.200.170.4.52M.S.N.51D.PTC	98179952	15	M	4	110	-	-	96641489	96789480
SL1.110.200.185.4.52M.S.N.51D.PTC	98174932	15	M	4	110	-	-	96641489	96789480
SL1.110.200.200.4.52M.S.N.51D.PTC	98179949	15	M	4	110	-	-	96641489	96789480
SL1.110.200.220.4.52M.S.N.51D.PTC	98174929	15	M	4	110	-	-	96641489	96789480
SL2.110.250.100.4.52L.S.N.51D.PTC	99618293	15	L	4	110	-	-	96782483	-
SL2.110.250.130.4.52L.S.N.51D.PTC	98808451	15	L	4	110	-	-	96782483	-
SL2.110.250.150.4.52L.S.N.51D.PTC	98808447	15	L	4	110	-	-	96782483	-
SL2.110.250.170.4.52L.S.N.51D.PTC	98808443	15	L	4	110	-	-	96782483	-
SL2.110.250.185.4.52L.S.N.51D.PTC	98792615	15	L	4	110	-	-	96782483	-
SL2.110.250.200.4.52L.S.N.51D.PTC	98792611	15	L	4	110	-	-	96782483	-
SL2.110.250.220.4.52L.S.N.51D.PTC	98791607	15	L	4	110	-	-	96782483	-
SL2.125.300.110.6.52E.S.N.51D.PTC	99354744	15	E	6	125	-	-	96782484	-
SL2.125.300.130.6.52E.S.N.51D.PTC	99354758	15	E	6	125	-	-	96782484	-
SL2.125.300.160.6.52E.S.N.51D.PTC	99354769	15	E	6	125	-	-	96782484	-
SL2.125.300.180.6.52E.S.N.51D.PTC	99354781	15	E	6	125	-	-	96782484	-

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SL pumps with stainless steel impeller for submerged installation (Australia), 15 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SL1.75.100.130.2.52S.S.Q.N.51D.PTC	99411784	15	S	2	75	-	-	96090994	96102255
SL1.75.100.150.2.52S.S.Q.N.51D.PTC	99411775	15	S	2	75	-	-	96090994	96102255
SL1.75.100.170.2.52S.S.Q.N.51D.PTC	99411767	15	S	2	75	-	-	96090994	96102255
SL1.75.100.185.2.52S.S.Q.N.51D.PTC	99411758	15	S	2	75	-	-	96090994	96102255
SL1.80.100.200.2.52S.S.Q.N.51D.PTC	99411730	15	S	2	80	-	-	96090994	96102255
SL1.80.100.220.2.52S.S.Q.N.51D.PTC	99411720	15	S	2	80	-	-	96090994	96102255
SL1.80.100.240.2.52S.S.Q.N.51D.PTC	99411702	15	S	2	80	-	-	96090994	96102255
SL1.80.100.265.2.52S.S.Q.N.51D.PTC	99411583	15	S	2	80	-	-	96090994	96102255
SL1.85.100.100.4.52H.S.Q.N.51D.PTC	99411954	15	H	4	85	-	-	96090994	96102314
SL1.85.100.110.4.52H.S.Q.N.51D.PTC	99411936	15	H	4	85	-	-	96090994	96102314
SL1.85.100.130.4.52H.S.Q.N.51D.PTC	99411918	15	H	4	85	-	-	96090994	96102314
SL1.85.100.150.4.52H.S.Q.N.51D.PTC	99411901	15	H	4	85	-	-	96090994	96102314
SL1.95.100.170.4.52H.S.Q.N.51D.PTC	99411884	15	H	4	85	-	-	96090994	96102314
SL1.95.100.185.4.52H.S.Q.N.51D.PTC	99411866	15	H	4	85	-	-	96090994	96102314
SL1.95.100.200.4.52H.S.Q.N.51D.PTC	99411829	15	H	4	85	-	-	96090994	96102314
SL1.95.100.220.4.52H.S.Q.N.51D.PTC	99411801	15	H	4	85	-	-	96090994	96102314
SL1.85.150.100.4.52H.S.Q.N.51D.PTC	99411945	15	H	4	85	-	-	97695489	96102256
SL1.85.150.110.4.52H.S.Q.N.51D.PTC	99411927	15	H	4	85	-	-	97695489	96102256
SL1.85.150.130.4.52H.S.Q.N.51D.PTC	99411910	15	H	4	85	-	-	97695489	96102256
SL1.85.150.150.4.52H.S.Q.N.51D.PTC	99411892	15	H	4	85	-	-	97695489	96102256
SL1.95.150.170.4.52H.S.Q.N.51D.PTC	99411875	15	H	4	95	-	-	97695489	96102256

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SL1.95.150.185.4.52H.S.Q.N.51D.PTC	99411837	15	H	4	95	-	-	97695489	96102256
SL1.95.150.200.4.52H.S.Q.N.51D.PTC	99411820	15	H	4	95	-	-	97695489	96102256
SL1.95.150.220.4.52H.S.Q.N.51D.PTC	99411792	15	H	4	95	-	-	97695489	96102256
SL1.110.200.100.4.52M.S.Q.N.51D.PTC	99412022	15	M	4	110	-	-	96641489	96789480
SL1.110.200.110.4.52M.S.Q.N.51D.PTC	99412013	15	M	4	110	-	-	96641489	96789480
SL1.110.200.130.4.52M.S.Q.N.51D.PTC	99412005	15	M	4	110	-	-	96641489	96789480
SL1.110.200.150.4.52M.S.Q.N.51D.PTC	99411996	15	M	4	110	-	-	96641489	96789480
SL1.110.200.170.4.52M.S.Q.N.51D.PTC	99411988	15	M	4	110	-	-	96641489	96789480
SL1.110.200.185.4.52M.S.Q.N.51D.PTC	99411979	15	M	4	110	-	-	96641489	96789480
SL1.110.200.200.4.52M.S.Q.N.51D.PTC	99411971	15	M	4	110	-	-	96641489	96789480
SL1.110.200.220.4.52M.S.Q.N.51D.PTC	99411962	15	M	4	110	-	-	96641489	96789480
SL2.110.250.100.4.52L.S.Q.N.51D.PTC	99618305	15	L	4	110	-	-	96782483	-
SL2.110.250.130.4.52L.S.Q.N.51D.PTC	99412099	15	L	4	110	-	-	96782483	-
SL2.110.250.150.4.52L.S.Q.N.51D.PTC	99412087	15	L	4	110	-	-	96782483	-
SL2.110.250.170.4.52L.S.Q.N.51D.PTC	99412075	15	L	4	110	-	-	96782483	-
SL2.110.250.185.4.52L.S.Q.N.51D.PTC	99412063	15	L	4	110	-	-	96782483	-
SL2.110.250.200.4.52L.S.Q.N.51D.PTC	99412041	15	L	4	110	-	-	96782483	-
SL2.110.250.220.4.52L.S.Q.N.51D.PTC	99412029	15	L	4	110	-	-	96782483	-
SL2.125.300.110.6.52E.S.Q.N.51D.PTC	99412183	15	E	6	125	-	-	96782484	-
SL2.125.300.130.6.52E.S.Q.N.51D.PTC	99412161	15	E	6	125	-	-	96782484	-
SL2.125.300.160.6.52E.S.Q.N.51D.PTC	99412159	15	E	6	125	-	-	96782484	-
SL2.125.300.180.6.52E.S.Q.N.51D.PTC	99412157	15	E	6	125	-	-	96782484	-

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SLV pumps for submerged installation, 10 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SLV.80.80.130.2.52H.S.N.51D	98179853	10	H	2	80	-	-	96102240	96102313
SLV.80.80.150.2.52H.S.N.51D	98174829	10	H	2	80	-	-	96102240	96102313
SLV.80.80.170.2.52H.S.N.51D	98179850	10	H	2	80	-	-	96102240	96102313
SLV.80.80.185.2.52H.S.N.51D	98057789	10	H	2	80	-	-	96102240	96102313
SLV.80.80.200.2.52H.S.N.51D	98179847	10	H	2	80	-	-	96102240	96102313
SLV.80.80.220.2.52H.S.N.51D	98057788	10	H	2	80	-	-	96102240	96102313
SLV.80.80.240.2.52H.S.N.51D	98179844	10	H	2	80	-	-	96102240	96102313
SLV.80.80.265.2.52H.S.N.51D	98057787	10	H	2	80	-	-	96102240	96102313

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SLV pumps with stainless steel impeller for submerged installation, 10 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SLV.80.80.130.2.52H.S.Q.N.51D	99027131	10	H	2	80	-	-	96102240	96102313
SLV.80.80.150.2.52H.S.Q.N.51D	99044383	10	H	2	80	-	-	96102240	96102313
SLV.80.80.170.2.52H.S.Q.N.51D	99042282	10	H	2	80	-	-	96102240	96102313
SLV.80.80.185.2.52H.S.Q.N.51D	99264707	10	H	2	80	-	-	96102240	96102313
SLV.80.80.200.2.52H.S.Q.N.51D	99063145	10	H	2	80	-	-	96102240	96102313
SLV.80.80.220.2.52H.S.Q.N.51D	99040481	10	H	2	80	-	-	96102240	96102313
SLV.80.80.240.2.52H.S.Q.N.51D	99040504	10	H	2	80	-	-	96102240	96102313
SLV.80.80.265.2.52H.S.Q.N.51D	98419398	10	H	2	80	-	-	96102240	96102313

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SLV pumps for submerged installation (Australia), 15 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SLV.80.80.130.2.52H.S.N.51D.PTC	98179990	15	H	2	80	-	-	96102240	96102313
SLV.80.80.150.2.52H.S.N.51D.PTC	98174970	15	H	2	80	-	-	96102240	96102313
SLV.80.80.170.2.52H.S.N.51D.PTC	98179987	15	H	2	80	-	-	96102240	96102313
SLV.80.80.185.2.52H.S.N.51D.PTC	98174967	15	H	2	80	-	-	96102240	96102313
SLV.80.80.200.2.52H.S.N.51D.PTC	98179984	15	H	2	80	-	-	96102240	96102313
SLV.80.80.220.2.52H.S.N.51D.PTC	98174964	15	H	2	80	-	-	96102240	96102313
SLV.80.80.240.2.52H.S.N.51D.PTC	98179981	15	H	2	80	-	-	96102240	96102313
SLV.80.80.265.2.52H.S.N.51D.PTC	98174961	15	H	2	80	-	-	96102240	96102313

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SLV pumps with stainless steel impeller for submerged installation (Australia), 15 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SLV.80.80.130.2.52H.S.Q.N.51D.PTC	99412228	15	H	2	80	-	-	96102240	96102313
SLV.80.80.150.2.52H.S.Q.N.51D.PTC	99412221	15	H	2	80	-	-	96102240	96102313
SLV.80.80.170.2.52H.S.Q.N.51D.PTC	99412215	15	H	2	80	-	-	96102240	96102313
SLV.80.80.185.2.52H.S.Q.N.51D.PTC	99412209	15	H	2	80	-	-	96102240	96102313
SLV.80.80.200.2.52H.S.Q.N.51D.PTC	99373975	15	H	2	80	-	-	96102240	96102313
SLV.80.80.220.2.52H.S.Q.N.51D.PTC	99412201	15	H	2	80	-	-	96102240	96102313
SLV.80.80.240.2.52H.S.Q.N.51D.PTC	99412194	15	H	2	80	-	-	96102240	96102313
SLV.80.80.265.2.52H.S.Q.N.51D.PTC	99412187	15	H	2	80	-	-	96102240	96102313

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## Explosion-proof pumps

### SE pumps for dry or submerged installation, 10 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories				
						Horizontal base stand*	To be ordered separately			
							Vertical base stand	Auto coupling	Ring stand	
SE1.75.100.130.2.52S.C.EX.51D	98179867	10	S	2	75	-	-	96308237	96090994	96102255
SE1.75.100.130.2.52S.H.EX.51D	98179868	10	S	2	75	98113361	-	-	-	-
SE1.75.100.150.2.52S.C.EX.51D	98174847	10	S	2	75	-	96308237	96090994	96102255	-
SE1.75.100.150.2.52S.H.EX.51D	98174848	10	S	2	75	98113361	-	-	-	-
SE1.75.100.170.2.52S.C.EX.51D	98179864	10	S	2	75	-	96308237	96090994	96102255	-
SE1.75.100.170.2.52S.H.EX.51D	98179865	10	S	2	75	98113361	-	-	-	-
SE1.75.100.185.2.52S.C.EX.51D	98174844	10	S	2	75	-	96308237	96090994	96102255	-
SE1.75.100.185.2.52S.H.EX.51D	98174845	10	S	2	75	98113361	-	-	-	-
SE1.80.100.200.2.52S.C.EX.51D	98179861	10	S	2	80	-	96308237	96090994	96102255	-
SE1.80.100.200.2.52S.H.EX.51D	98179862	10	S	2	80	98113361	-	-	-	-
SE1.80.100.220.2.52S.C.EX.51D	98174841	10	S	2	80	-	96308237	96090994	96102255	-
SE1.80.100.220.2.52S.H.EX.51D	98174842	10	S	2	80	98113361	-	-	-	-
SE1.80.100.240.2.52S.C.EX.51D	98179858	10	S	2	80	-	96308237	96090994	96102255	-
SE1.80.100.240.2.52S.H.EX.51D	98179859	10	S	2	80	98113361	-	-	-	-
SE1.80.100.265.2.52S.C.EX.51D	98174798	10	S	2	80	-	96308237	96090994	96102255	-
SE1.80.100.265.2.52S.H.EX.51D	98174799	10	S	2	80	98113361	-	-	-	-
SE1.85.100.100.4.52H.C.EX.51D	99110090	10	H	4	85	-	96308238	96090994	96102314	-
SE1.85.100.100.4.52H.H.EX.51D	99110098	10	H	4	85	98113365	-	-	-	-
SE1.85.100.110.4.52H.C.EX.51D	99110091	10	H	4	85	-	96308238	96090994	96102314	-
SE1.85.100.110.4.52H.H.EX.51D	99110082	10	H	4	85	98113365	-	-	-	-
SE1.85.100.130.4.52H.C.EX.51D	99110092	10	H	4	85	-	96308238	96090994	96102314	-
SE1.85.100.130.4.52H.H.EX.51D	99110083	10	H	4	85	98113365	-	-	-	-

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand*	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SE1.85.100.150.4.52H.C.EX.51D	99110093	10	H	4	85	-	96308238	96090994	96102314
SE1.85.100.150.4.52H.H.EX.51D	99110084	10	H	4	85	98113365	-	-	-
SE1.95.100.170.4.52H.C.EX.51D	99110094	10	H	4	95	-	96308238	96090994	96102314
SE1.95.100.170.4.52H.H.EX.51D	99110102	10	H	4	95	98113365	-	-	-
SE1.95.100.185.4.52H.C.EX.51D	99110095	10	H	4	95	-	96308238	96090994	96102314
SE1.95.100.185.4.52H.H.EX.51D	99110103	10	H	4	95	98113365	-	-	-
SE1.95.100.200.4.52H.C.EX.51D	99110096	10	H	4	95	-	96308238	96090994	96102314
SE1.95.100.200.4.52H.H.EX.51D	99110104	10	H	4	95	98113365	-	-	-
SE1.95.100.220.4.52H.C.EX.51D	99110097	10	H	4	95	-	96308238	96090994	96102314
SE1.95.100.220.4.52H.H.EX.51D	99110105	10	H	4	95	98113365	-	-	-
SE1.85.150.100.4.52H.C.EX.51D	98179879	10	H	4	85	-	96308238	97695489	96102256
SE1.85.150.100.4.52H.H.EX.51D	98179880	10	H	4	85	98113365	-	-	-
SE1.85.150.110.4.52H.C.EX.51D	98174859	10	H	4	85	-	96308238	97695489	96102256
SE1.85.150.110.4.52H.H.EX.51D	98174860	10	H	4	85	98113365	-	-	-
SE1.85.150.130.4.52H.C.EX.51D	98179876	10	H	4	85	-	96308238	97695489	96102256
SE1.85.150.130.4.52H.H.EX.51D	98179877	10	H	4	85	98113365	-	-	-
SE1.85.150.150.4.52H.C.EX.51D	98174856	10	H	4	85	-	96308238	97695489	96102256
SE1.85.150.150.4.52H.H.EX.51D	98174857	10	H	4	85	98113365	-	-	-
SE1.95.150.170.4.52H.C.EX.51D	98179873	10	H	4	95	-	96308238	97695489	96102256
SE1.95.150.170.4.52H.H.EX.51D	98179874	10	H	4	95	98113365	-	-	-
SE1.95.150.185.4.52H.C.EX.51D	98174853	10	H	4	95	-	96308238	97695489	96102256
SE1.95.150.185.4.52H.H.EX.51D	98174854	10	H	4	95	98113365	-	-	-
SE1.95.150.200.4.52H.C.EX.51D	98179870	10	H	4	95	-	96308238	97695489	96102256
SE1.95.150.200.4.52H.H.EX.51D	98179871	10	H	4	95	98113365	-	-	-
SE1.95.150.220.4.52H.C.EX.51D	98174850	10	H	4	95	-	96308238	97695489	96102256
SE1.95.150.220.4.52H.H.EX.51D	98174851	10	H	4	95	98113365	-	-	-
SE1.110.200.100.4.52M.C.EX.51D	98179891	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.100.4.52M.H.EX.51D	98179892	10	M	4	110	98113366	-	-	-
SE1.110.200.110.4.52M.C.EX.51D	98174871	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.110.4.52M.H.EX.51D	98174872	10	M	4	110	98113366	-	-	-
SE1.110.200.130.4.52M.C.EX.51D	98179888	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.130.4.52M.H.EX.51D	98179889	10	M	4	110	98113366	-	-	-
SE1.110.200.150.4.52M.C.EX.51D	98174868	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.150.4.52M.H.EX.51D	98174869	10	M	4	110	98113366	-	-	-
SE1.110.200.170.4.52M.C.EX.51D	98179885	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.170.4.52M.H.EX.51D	98179886	10	M	4	110	98113366	-	-	-
SE1.110.200.185.4.52M.C.EX.51D	98174865	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.185.4.52M.H.EX.51D	98174866	10	M	4	110	98113366	-	-	-
SE1.110.200.200.4.52M.C.EX.51D	98179882	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.200.4.52M.H.EX.51D	98179883	10	M	4	110	98113366	-	-	-
SE1.110.200.220.4.52M.C.EX.51D	98174862	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.220.4.52M.H.EX.51D	98174863	10	M	4	110	98113366	-	-	-
SE2.110.250.100.4.52L.C.EX.51D	99618298	10	L	4	110	-	-	96782483	-
SE2.110.250.100.4.52L.D.EX.51D	99618299	10	L	4	110	-	96308240	-	-
SE2.110.250.100.4.52L.H.EX.51D	99618300	10	L	4	110	98113367	-	-	-
SE2.110.250.130.4.52L.C.EX.51D	98808464	10	L	4	110	-	-	96782483	-
SE2.110.250.130.4.52L.D.EX.51D	98808465	10	L	4	110	-	96308240	-	-
SE2.110.250.130.4.52L.H.EX.51D	98808466	10	L	4	110	98113367	-	-	-
SE2.110.250.150.4.52L.C.EX.51D	98808460	10	L	4	110	-	-	96782483	-
SE2.110.250.150.4.52L.D.EX.51D	98808461	10	L	4	110	-	96308240	-	-
SE2.110.250.150.4.52L.H.EX.51D	98808462	10	L	4	110	98113367	-	-	-
SE2.110.250.170.4.52L.C.EX.51D	98808456	10	L	4	110	-	-	96782483	-
SE2.110.250.170.4.52L.D.EX.51D	98808457	10	L	4	110	-	96308240	-	-
SE2.110.250.170.4.52L.H.EX.51D	98808458	10	L	4	110	98113367	-	-	-
SE2.110.250.185.4.52L.C.EX.51D	98792628	10	L	4	110	-	-	96782483	-
SE2.110.250.185.4.52L.D.EX.51D	98792629	10	L	4	110	-	96308240	-	-
SE2.110.250.185.4.52L.H.EX.51D	98792630	10	L	4	110	98113367	-	-	-
SE2.110.250.200.4.52L.C.EX.51D	98792624	10	L	4	110	-	-	96782483	-
SE2.110.250.200.4.52L.D.EX.51D	98792625	10	L	4	110	-	96308240	-	-
SE2.110.250.200.4.52L.H.EX.51D	98792626	10	L	4	110	98113367	-	-	-
SE2.110.250.220.4.52L.C.EX.51D	98792620	10	L	4	110	-	-	96782483	-
SE2.110.250.220.4.52L.D.EX.51D	98792621	10	L	4	110	-	96308240	-	-
SE2.110.250.220.4.52L.H.EX.51D	98792622	10	L	4	110	98113367	-	-	-
SE2.125.300.110.6.52E.C.EX.51D	99354612	10	E	6	125	-	-	96782484	-

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand*	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SE2.125.300.110.6.52E.D.EX.51D	99354743	10	E	6	125	-	96308241	-	-
SE2.125.300.110.6.52E.H.EX.51D	99354606	10	E	6	125	98113369	-	-	-
SE2.125.300.130.6.52E.C.EX.51D	99354755	10	E	6	125	-	-	96782484	-
SE2.125.300.130.6.52E.D.EX.51D	99354756	10	E	6	125	-	96308241	-	-
SE2.125.300.130.6.52E.H.EX.51D	99354757	10	E	6	125	98113369	-	-	-
SE2.125.300.160.6.52E.C.EX.51D	99354766	10	E	6	125	-	-	96782484	-
SE2.125.300.160.6.52E.D.EX.51D	99354767	10	E	6	125	-	96308241	-	-
SE2.125.300.160.6.52E.H.EX.51D	99354768	10	E	6	125	98113369	-	-	-
SE2.125.300.180.6.52E.C.EX.51D	99354778	10	E	6	125	-	-	96782484	-
SE2.125.300.180.6.52E.D.EX.51D	99354779	10	E	6	125	-	96308241	-	-
SE2.125.300.180.6.52E.H.EX.51D	99354780	10	E	6	125	98113369	-	-	-

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SE pumps with stainless steel impeller for dry or submerged installation, 10 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand*	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SE1.75.100.130.2.52S.C.Q.EX.51D	99411782	10	S	2	75	-	96308237	96090994	96102255
SE1.75.100.130.2.52S.H.Q.EX.51D	99411783	10	S	2	75	98113361	-	-	-
SE1.75.100.150.2.52S.C.Q.EX.51D	99411773	10	S	2	75	-	96308237	96090994	96102255
SE1.75.100.150.2.52S.H.Q.EX.51D	99411774	10	S	2	75	98113361	-	-	-
SE1.75.100.170.2.52S.C.Q.EX.51D	99411765	10	S	2	75	-	96308237	96090994	96102255
SE1.75.100.170.2.52S.H.Q.EX.51D	99411766	10	S	2	75	98113361	-	-	-
SE1.75.100.185.2.52S.C.Q.EX.51D	99411756	10	S	2	75	-	96308237	96090994	96102255
SE1.75.100.185.2.52S.H.Q.EX.51D	99411757	10	S	2	75	98113361	-	-	-
SE1.80.100.200.2.52S.C.Q.EX.51D	99411728	10	S	2	80	-	96308237	96090994	96102255
SE1.80.100.200.2.52S.H.Q.EX.51D	99411729	10	S	2	80	98113361	-	-	-
SE1.80.100.220.2.52S.C.Q.EX.51D	99411718	10	S	2	80	-	96308237	96090994	96102255
SE1.80.100.220.2.52S.H.Q.EX.51D	99411719	10	S	2	80	98113361	-	-	-
SE1.80.100.240.2.52S.C.Q.EX.51D	99411700	10	S	2	80	-	96308237	96090994	96102255
SE1.80.100.240.2.52S.H.Q.EX.51D	99411701	10	S	2	80	98113361	-	-	-
SE1.80.100.265.2.52S.C.Q.EX.51D	99411480	10	S	2	80	-	96308237	96090994	96102255
SE1.80.100.265.2.52S.H.Q.EX.51D	99411481	10	S	2	80	98113361	-	-	-
SE1.85.100.100.4.52H.C.Q.EX.51D	99411952	10	H	4	85	-	96308238	96090994	96102314
SE1.85.100.100.4.52H.H.Q.EX.51D	99411953	10	H	4	85	98113365	-	-	-
SE1.85.100.110.4.52H.C.Q.EX.51D	99411934	10	H	4	85	-	96308238	96090994	96102314
SE1.85.100.110.4.52H.H.Q.EX.51D	99411935	10	H	4	85	98113365	-	-	-
SE1.85.100.130.4.52H.C.Q.EX.51D	99411916	10	H	4	85	-	96308238	96090994	96102314
SE1.85.100.130.4.52H.H.Q.EX.51D	99411917	10	H	4	85	98113365	-	-	-
SE1.85.100.150.4.52H.C.Q.EX.51D	99411899	10	H	4	85	-	96308238	96090994	96102314
SE1.85.100.150.4.52H.H.Q.EX.51D	99411900	10	H	4	85	98113365	-	-	-
SE1.95.100.170.4.52H.C.Q.EX.51D	99411882	10	H	4	95	-	96308238	96090994	96102314
SE1.95.100.170.4.52H.H.Q.EX.51D	99411883	10	H	4	95	98113365	-	-	-
SE1.95.100.185.4.52H.C.Q.EX.51D	99411864	10	H	4	95	-	96308238	96090994	96102314
SE1.95.100.185.4.52H.H.Q.EX.51D	99411865	10	H	4	95	98113365	-	-	-
SE1.95.100.200.4.52H.C.Q.EX.51D	99411827	10	H	4	95	-	96308238	96090994	96102314
SE1.95.100.200.4.52H.H.Q.EX.51D	99411828	10	H	4	95	98113365	-	-	-
SE1.95.100.220.4.52H.C.Q.EX.51D	99411799	10	H	4	95	-	96308238	96090994	96102314
SE1.95.100.220.4.52H.H.Q.EX.51D	99411800	10	H	4	95	98113365	-	-	-
SE1.85.150.100.4.52H.C.Q.EX.51D	99411943	10	H	4	85	-	96308238	97695489	96102256
SE1.85.150.100.4.52H.H.Q.EX.51D	99411944	10	H	4	85	98113365	-	-	-
SE1.85.150.110.4.52H.C.Q.EX.51D	99411925	10	H	4	85	-	96308238	97695489	96102256
SE1.85.150.110.4.52H.H.Q.EX.51D	99411926	10	H	4	85	98113365	-	-	-
SE1.85.150.130.4.52H.C.Q.EX.51D	99411908	10	H	4	85	-	96308238	97695489	96102256
SE1.85.150.130.4.52H.H.Q.EX.51D	99411909	10	H	4	85	98113365	-	-	-
SE1.85.150.150.4.52H.C.Q.EX.51D	99411890	10	H	4	85	-	96308238	97695489	96102256
SE1.85.150.150.4.52H.H.Q.EX.51D	99411891	10	H	4	85	98113365	-	-	-
SE1.95.150.170.4.52H.C.Q.EX.51D	99411873	10	H	4	95	-	96308238	97695489	96102256

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand*	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SE1.95.150.170.4.52H.H.Q.EX.51D	99411874	10	H	4	95	98113365	-	-	-
SE1.95.150.185.4.52H.C.Q.EX.51D	99411835	10	H	4	95	-	96308238	97695489	96102256
SE1.95.150.185.4.52H.H.Q.EX.51D	99411836	10	H	4	95	98113365	-	-	-
SE1.95.150.200.4.52H.C.Q.EX.51D	99411818	10	H	4	95	-	96308238	97695489	96102256
SE1.95.150.200.4.52H.H.Q.EX.51D	99411819	10	H	4	95	98113365	-	-	-
SE1.95.150.220.4.52H.C.Q.EX.51D	99411790	10	H	4	95	-	96308238	97695489	96102256
SE1.95.150.220.4.52H.H.Q.EX.51D	99411791	10	H	4	95	98113365	-	-	-
SE1.110.200.100.4.52M.C.Q.EX.51D	99412020	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.100.4.52M.H.Q.EX.51D	99412021	10	M	4	110	98113366	-	-	-
SE1.110.200.110.4.52M.C.Q.EX.51D	99412011	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.110.4.52M.H.Q.EX.51D	99412012	10	M	4	110	98113366	-	-	-
SE1.110.200.130.4.52M.C.Q.EX.51D	99412003	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.130.4.52M.H.Q.EX.51D	99412004	10	M	4	110	98113366	-	-	-
SE1.110.200.150.4.52M.C.Q.EX.51D	99411994	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.150.4.52M.H.Q.EX.51D	99411995	10	M	4	110	98113366	-	-	-
SE1.110.200.170.4.52M.C.Q.EX.51D	99411986	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.170.4.52M.H.Q.EX.51D	99411987	10	M	4	110	98113366	-	-	-
SE1.110.200.185.4.52L.C.Q.EX.51D	99411977	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.185.4.52L.H.Q.EX.51D	99411978	10	M	4	110	98113366	-	-	-
SE1.110.200.200.4.52M.C.Q.EX.51D	99411969	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.200.4.52M.H.Q.EX.51D	99411970	10	M	4	110	98113366	-	-	-
SE1.110.200.220.4.52M.C.Q.EX.51D	99411960	10	M	4	110	-	96094523	96641489	96789480
SE1.110.200.220.4.52M.H.Q.EX.51D	99411961	10	M	4	110	98113366	-	-	-
SE2.110.250.100.4.52L.C.Q.EX.51D	99618310	10	L	4	110	-	-	96782483	-
SE2.110.250.100.4.52L.D.Q.EX.51D	99618311	10	L	4	110	-	96308240	-	-
SE2.110.250.100.4.52L.H.Q.EX.51D	99618312	10	L	4	110	98113367	-	-	-
SE2.110.250.130.4.52L.C.Q.EX.51D	99412104	10	L	4	110	-	-	96782483	-
SE2.110.250.130.4.52L.D.Q.EX.51D	99412105	10	L	4	110	-	96308240	-	-
SE2.110.250.130.4.52L.H.Q.EX.51D	99412106	10	L	4	110	98113367	-	-	-
SE2.110.250.150.4.52L.C.Q.EX.51D	99412092	10	L	4	110	-	-	96782483	-
SE2.110.250.150.4.52L.D.Q.EX.51D	99412093	10	L	4	110	-	96308240	-	-
SE2.110.250.150.4.52L.H.Q.EX.51D	99412094	10	L	4	110	98113367	-	-	-
SE2.110.250.170.4.52L.C.Q.EX.51D	99412080	10	L	4	110	-	-	96782483	-
SE2.110.250.170.4.52L.D.Q.EX.51D	99412081	10	L	4	110	-	96308240	-	-
SE2.110.250.170.4.52L.H.Q.EX.51D	99412082	10	L	4	110	98113367	-	-	-
SE2.110.250.185.4.52L.C.Q.EX.51D	99412068	10	L	4	110	-	-	96782483	-
SE2.110.250.185.4.52L.D.Q.EX.51D	99412069	10	L	4	110	-	96308240	-	-
SE2.110.250.185.4.52L.H.Q.EX.51D	99412070	10	L	4	110	98113367	-	-	-
SE2.110.250.200.4.52L.C.Q.EX.51D	99412056	10	L	4	110	-	-	96782483	-
SE2.110.250.200.4.52L.D.Q.EX.51D	99412057	10	L	4	110	-	96308240	-	-
SE2.110.250.200.4.52L.H.Q.EX.51D	99412058	10	L	4	110	98113367	-	-	-
SE2.110.250.220.4.52L.C.Q.EX.51D	99412034	10	L	4	110	-	-	96782483	-
SE2.110.250.220.4.52L.D.Q.EX.51D	99412035	10	L	4	110	-	96308240	-	-
SE2.110.250.220.4.52L.H.Q.EX.51D	99412036	10	L	4	110	98113367	-	-	-
SE2.125.300.110.6.52E.C.Q.EX.51D	99412151	10	E	6	125	-	-	96782484	-
SE2.125.300.110.6.52E.D.Q.EX.51D	99412152	10	E	6	125	-	96308241	-	-
SE2.125.300.110.6.52E.H.Q.EX.51D	99412153	10	E	6	125	98113369	-	-	-
SE2.125.300.130.6.52E.C.Q.EX.51D	99412141	10	E	6	125	-	-	96782484	-
SE2.125.300.130.6.52E.D.Q.EX.51D	99412142	10	E	6	125	-	96308241	-	-
SE2.125.300.130.6.52E.H.Q.EX.51D	99412143	10	E	6	125	98113369	-	-	-
SE2.125.300.160.6.52E.C.Q.EX.51D	99412121	10	E	6	125	-	-	96782484	-
SE2.125.300.160.6.52E.D.Q.EX.51D	99412122	10	E	6	125	-	96308241	-	-
SE2.125.300.160.6.52E.H.Q.EX.51D	99412133	10	E	6	125	98113369	-	-	-
SE2.125.300.180.6.52E.C.Q.EX.51D	99412111	10	E	6	125	-	-	96782484	-
SE2.125.300.180.6.52E.D.Q.EX.51D	99412112	10	E	6	125	-	96308241	-	-
SE2.125.300.180.6.52E.H.Q.EX.51D	99412113	10	E	6	125	98113369	-	-	-

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.



## SEV pumps for dry or submerged installation, 10 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Explosion proof	Accessories			
							Horizontal base stand*	To be ordered separately		
								Vertical base stand	Auto coupling	Ring stand
SEV.80.80.130.2.52H.C.EX.51D	98179923	10	H	2	80	Yes	-	96308237	96102240	96102313
SEV.80.80.130.2.52H.H.EX.51D	98179924	10	H	2	80	Yes	98113361	-	-	-
SEV.80.80.150.2.52H.C.EX.51D	98174903	10	H	2	80	Yes	-	96308237	96102240	96102313
SEV.80.80.150.2.52H.H.EX.51D	98174904	10	H	2	80	Yes	98113361	-	-	-
SEV.80.80.170.2.52H.C.EX.51D	98179920	10	H	2	80	Yes	-	96308237	96102240	96102313
SEV.80.80.170.2.52H.H.EX.51D	98179921	10	H	2	80	Yes	98113361	-	-	-
SEV.80.80.185.2.52H.C.EX.51D	98174900	10	H	2	80	Yes	-	96308237	96102240	96102313
SEV.80.80.185.2.52H.H.EX.51D	98174901	10	H	2	80	Yes	98113361	-	-	-
SEV.80.80.200.2.52H.C.EX.51D	98179917	10	H	2	80	Yes	-	96308237	96102240	96102313
SEV.80.80.200.2.52H.H.EX.51D	98179918	10	H	2	80	Yes	98113361	-	-	-
SEV.80.80.220.2.52H.C.EX.51D	98174897	10	H	2	80	Yes	-	96308237	96102240	96102313
SEV.80.80.220.2.52H.H.EX.51D	98174898	10	H	2	80	Yes	98113361	-	-	-
SEV.80.80.240.2.52H.C.EX.51D	98179914	10	H	2	80	Yes	-	96308237	96102240	96102313
SEV.80.80.240.2.52H.H.EX.51D	98179915	10	H	2	80	Yes	98113361	-	-	-
SEV.80.80.265.2.52H.C.EX.51D	98174894	10	H	2	80	Yes	-	96308237	96102240	96102313
SEV.80.80.265.2.52H.H.EX.51D	98174895	10	H	2	80	Yes	98113361	-	-	-

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SEV pumps with stainless steel impeller for dry or submerged installation, 10 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Explosion proof	Accessories			
							Horizontal base stand*	To be ordered separately		
								Vertical base stand	Auto coupling	Ring stand
SEV.80.80.130.2.52H.C.Q.EX.51D	99412226	10	H	2	80	Yes	-	96308237	96102240	96102313
SEV.80.80.130.2.52H.H.Q.EX.51D	99412227	10	H	2	80	Yes	98113361	-	-	-
SEV.80.80.150.2.52H.C.Q.EX.51D	99412219	10	H	2	80	Yes	-	96308237	96102240	96102313
SEV.80.80.150.2.52H.H.Q.EX.51D	99412220	10	H	2	80	Yes	98113361	-	-	-
SEV.80.80.170.2.52H.C.Q.EX.51D	99203901	10	H	2	80	Yes	-	96308237	96102240	96102313
SEV.80.80.170.2.52H.H.Q.EX.51D	99412214	10	H	2	80	Yes	98113361	-	-	-
SEV.80.80.185.2.52H.C.Q.EX.51D	99053593	10	H	2	80	Yes	-	96308237	96102240	96102313
SEV.80.80.185.2.52H.H.Q.EX.51D	99412208	10	H	2	80	Yes	98113361	-	-	-
SEV.80.80.200.2.52H.C.Q.EX.51D	99207290	10	H	2	80	Yes	-	96308237	96102240	96102313
SEV.80.80.200.2.52H.H.Q.EX.51D	99412205	10	H	2	80	Yes	98113361	-	-	-
SEV.80.80.220.2.52H.C.Q.EX.51D	99412199	10	H	2	80	Yes	-	96308237	96102240	96102313
SEV.80.80.220.2.52H.H.Q.EX.51D	99412200	10	H	2	80	Yes	98113361	-	-	-
SEV.80.80.240.2.52H.C.Q.EX.51D	99412192	10	H	2	80	Yes	-	96308237	96102240	96102313
SEV.80.80.240.2.52H.H.Q.EX.51D	99412193	10	H	2	80	Yes	98113361	-	-	-
SEV.80.80.265.2.52H.C.Q.EX.51D	99412185	10	H	2	80	Yes	-	96308237	96102240	96102313
SEV.80.80.265.2.52H.H.Q.EX.51D	99412186	10	H	2	80	Yes	98113361	-	-	-

\* The horizontal base stand is included in the pump product number (Do not order separately).

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SL pumps for submerged installation, 10 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SL1.75.100.130.2.52S.S.EX.51D	98179866	10	S	2	75	-	-	96090994	96102255
SL1.75.100.150.2.52S.S.EX.51D	98174846	10	S	2	75	-	-	96090994	96102255
SL1.75.100.170.2.52S.S.EX.51D	98179863	10	S	2	75	-	-	96090994	96102255
SL1.75.100.185.2.52S.S.EX.51D	98174843	10	S	2	75	-	-	96090994	96102255
SL1.80.100.200.2.52S.S.EX.51D	98179860	10	S	2	80	-	-	96090994	96102255
SL1.80.100.220.2.52S.S.EX.51D	98174800	10	S	2	80	-	-	96090994	96102255
SL1.80.100.240.2.52S.S.EX.51D	98179857	10	S	2	80	-	-	96090994	96102255

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SL1.80.100.265.2.52S.S.EX.51D	98174797	10	S	2	80	-	-	96090994	96102255
SL1.85.100.100.4.52H.S.EX.51D	99110112	10	H	4	85	-	-	96090994	96102314
SL1.85.100.110.4.52H.S.EX.51D	99110113	10	H	4	85	-	-	96090994	96102314
SL1.85.100.130.4.52H.S.EX.51D	99110114	10	H	4	85	-	-	96090994	96102314
SL1.85.100.150.4.52H.S.EX.51D	99110115	10	H	4	85	-	-	96090994	96102314
SL1.95.100.170.4.52H.S.EX.51D	99110116	10	H	4	95	-	-	96090994	96102314
SL1.95.100.185.4.52H.S.EX.51D	99110117	10	H	4	95	-	-	96090994	96102314
SL1.95.100.200.4.52H.S.EX.51D	99110118	10	H	4	95	-	-	96090994	96102314
SL1.95.100.220.4.52H.S.EX.51D	99110119	10	H	4	95	-	-	96090994	96102314
SL1.85.150.100.4.52H.S.EX.51D	98179878	10	H	4	85	-	-	97695489	96102256
SL1.85.150.110.4.52H.S.EX.51D	98174858	10	H	4	85	-	-	97695489	96102256
SL1.85.150.130.4.52H.S.EX.51D	98179875	10	H	4	85	-	-	97695489	96102256
SL1.85.150.150.4.52H.S.EX.51D	98174855	10	H	4	85	-	-	97695489	96102256
SL1.95.150.170.4.52H.S.EX.51D	98179872	10	H	4	95	-	-	97695489	96102256
SL1.95.150.185.4.52H.S.EX.51D	98174852	10	H	4	95	-	-	97695489	96102256
SL1.95.150.200.4.52H.S.EX.51D	98179869	10	H	4	95	-	-	97695489	96102256
SL1.95.150.220.4.52H.S.EX.51D	98174849	10	H	4	95	-	-	97695489	96102256
SL1.110.200.100.4.52M.S.EX.51D	98179890	10	M	4	110	-	-	96641489	96789480
SL1.110.200.110.4.52M.S.EX.51D	98174870	10	M	4	110	-	-	96641489	96789480
SL1.110.200.130.4.52M.S.EX.51D	98179887	10	M	4	110	-	-	96641489	96789480
SL1.110.200.150.4.52M.S.EX.51D	98174867	10	M	4	110	-	-	96641489	96789480
SL1.110.200.170.4.52M.S.EX.51D	98179884	10	M	4	110	-	-	96641489	96789480
SL1.110.200.185.4.52M.S.EX.51D	98174864	10	M	4	110	-	-	96641489	96789480
SL1.110.200.200.4.52M.S.EX.51D	98179881	10	M	4	110	-	-	96641489	96789480
SL1.110.200.220.4.52M.S.EX.51D	98174861	10	M	4	110	-	-	96641489	96789480
SL2.110.250.100.4.52L.S.EX.51D	99618297	10	L	4	110	-	-	96782483	-
SL2.110.250.130.4.52L.S.EX.51D	98808463	10	L	4	110	-	-	96782483	-
SL2.110.250.150.4.52L.S.EX.51D	98808459	10	L	4	110	-	-	96782483	-
SL2.110.250.170.4.52L.S.EX.51D	98808455	10	L	4	110	-	-	96782483	-
SL2.110.250.185.4.52L.S.EX.51D	98792627	10	L	4	110	-	-	96782483	-
SL2.110.250.200.4.52L.S.EX.51D	98792623	10	L	4	110	-	-	96782483	-
SL2.110.250.220.4.52L.S.EX.51D	98792619	10	L	4	110	-	-	96782483	-
SL2.125.300.110.6.52E.S.EX.51D	99354611	10	E	6	125	-	-	96782484	-
SL2.125.300.130.6.52E.S.EX.51D	99354754	10	E	6	125	-	-	96782484	-
SL2.125.300.160.6.52E.S.EX.51D	99354765	10	E	6	125	-	-	96782484	-
SL2.125.300.180.6.52E.S.EX.51D	99354777	10	E	6	125	-	-	96782484	-

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SL pumps with stainless steel impeller for submerged installation, 10 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SL1.75.100.130.2.52S.S.Q.EX.51D	99411781	10	S	2	75	-	-	96090994	96102255
SL1.75.100.150.2.52S.S.Q.EX.51D	99411772	10	S	2	75	-	-	96090994	96102255
SL1.75.100.170.2.52S.S.Q.EX.51D	99411764	10	S	2	75	-	-	96090994	96102255
SL1.75.100.185.2.52S.S.Q.EX.51D	99411755	10	S	2	75	-	-	96090994	96102255
SL1.80.100.200.2.52S.S.Q.EX.51D	99411726	10	S	2	80	-	-	96090994	96102255
SL1.80.100.220.2.52S.S.Q.EX.51D	99411717	10	S	2	80	-	-	96090994	96102255
SL1.80.100.240.2.52S.S.Q.EX.51D	99411699	10	S	2	80	-	-	96090994	96102255
SL1.80.100.265.2.52S.S.Q.EX.51D	99411478	10	S	2	80	-	-	96090994	96102255
SL1.85.100.100.4.52H.S.Q.EX.51D	99411951	10	H	4	85	-	-	96090994	96102314
SL1.85.100.110.4.52H.S.Q.EX.51D	99411933	10	H	4	85	-	-	96090994	96102314
SL1.85.100.130.4.52H.S.Q.EX.51D	99411915	10	H	4	85	-	-	96090994	96102314
SL1.85.100.150.4.52H.S.Q.EX.51D	99411898	10	H	4	85	-	-	96090994	96102314
SL1.95.100.170.4.52H.S.Q.EX.51D	99411881	10	H	4	95	-	-	96090994	96102314
SL1.95.100.185.4.52H.S.Q.EX.51D	99411863	10	H	4	95	-	-	96090994	96102314
SL1.95.100.200.4.52H.S.Q.EX.51D	99411826	10	H	4	95	-	-	96090994	96102314
SL1.95.100.220.4.52H.S.Q.EX.51D	99411798	10	H	4	95	-	-	96090994	96102314
SL1.85.150.100.4.52H.S.Q.EX.51D	99411942	10	H	4	85	-	-	97695489	96102256
SL1.85.150.110.4.52H.S.Q.EX.51D	99411924	10	H	4	85	-	-	97695489	96102256
SL1.85.150.130.4.52H.S.Q.EX.51D	99411907	10	H	4	85	-	-	97695489	96102256
SL1.85.150.150.4.52H.S.Q.EX.51D	99411889	10	H	4	85	-	-	97695489	96102256
SL1.95.150.170.4.52H.S.Q.EX.51D	99411872	10	H	4	95	-	-	97695489	96102256
SL1.95.150.185.4.52H.S.Q.EX.51D	99411834	10	H	4	95	-	-	97695489	96102256
SL1.95.150.200.4.52H.S.Q.EX.51D	99411817	10	H	4	95	-	-	97695489	96102256
SL1.95.150.220.4.52H.S.Q.EX.51D	99411789	10	H	4	95	-	-	97695489	96102256
SL1.110.200.100.4.52M.S.Q.EX.51D	99412019	10	M	4	110	-	-	96641489	96789480
SL1.110.200.110.4.52M.S.Q.EX.51D	99412010	10	M	4	110	-	-	96641489	96789480
SL1.110.200.130.4.52M.S.Q.EX.51D	99412002	10	M	4	110	-	-	96641489	96789480
SL1.110.200.150.4.52M.S.Q.EX.51D	99411993	10	M	4	110	-	-	96641489	96789480
SL1.110.200.170.4.52M.S.Q.EX.51D	99411985	10	M	4	110	-	-	96641489	96789480
SL1.110.200.185.4.52M.S.Q.EX.51D	99411976	10	M	4	110	-	-	96641489	96789480
SL1.110.200.200.4.52M.S.Q.EX.51D	99411968	10	M	4	110	-	-	96641489	96789480
SL1.110.200.220.4.52M.S.Q.EX.51D	99411959	10	M	4	110	-	-	96641489	96789480
SL2.110.250.100.4.52L.S.Q.EX.51D	99618309	10	L	4	110	-	-	96782483	-
SL2.110.250.130.4.52L.S.Q.EX.51D	99412103	10	L	4	110	-	-	96782483	-
SL2.110.250.150.4.52L.S.Q.EX.51D	99412091	10	L	4	110	-	-	96782483	-
SL2.110.250.170.4.52L.S.Q.EX.51D	99412079	10	L	4	110	-	-	96782483	-
SL2.110.250.185.4.52L.S.Q.EX.51D	99412067	10	L	4	110	-	-	96782483	-
SL2.110.250.200.4.52L.S.Q.EX.51D	99412055	10	L	4	110	-	-	96782483	-
SL2.110.250.220.4.52L.S.Q.EX.51D	99412033	10	L	4	110	-	-	96782483	-
SL2.125.300.110.6.52E.S.Q.EX.51D	99412150	10	E	6	125	-	-	96782484	-
SL2.125.300.130.6.52E.S.Q.EX.51D	99412140	10	E	6	125	-	-	96782484	-
SL2.125.300.160.6.52E.S.Q.EX.51D	99412120	10	E	6	125	-	-	96782484	-
SL2.125.300.180.6.52E.S.Q.EX.51D	99412110	10	E	6	125	-	-	96782484	-

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SLV pumps for submerged installation, 10 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SLV.80.80.130.2.52H.S.EX.51D	98179922	10	H	2	80	-	-	96102240	96102313
SLV.80.80.150.2.52H.S.EX.51D	98174902	10	H	2	80	-	-	96102240	96102313
SLV.80.80.170.2.52H.S.EX.51D	98179919	10	H	2	80	-	-	96102240	96102313
SLV.80.80.185.2.52H.S.EX.51D	98174899	10	H	2	80	-	-	96102240	96102313
SLV.80.80.200.2.52H.S.EX.51D	98179916	10	H	2	80	-	-	96102240	96102313
SLV.80.80.220.2.52H.S.EX.51D	98174896	10	H	2	80	-	-	96102240	96102313
SLV.80.80.240.2.52H.S.EX.51D	98179913	10	H	2	80	-	-	96102240	96102313
SLV.80.80.265.2.52H.S.EX.51D	98174893	10	H	2	80	-	-	96102240	96102313

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## SLV pumps with stainless steel impeller for submerged installation, 10 m cable length

Pump type	Product number	Cable length [m]	Pressure range	Poles	Free passage [mm]	Accessories			
						Horizontal base stand	To be ordered separately		
							Vertical base stand	Auto coupling	Ring stand
SLV.80.80.130.2.52H.S.Q.EX.51D	99412225	10	H	2	80	-	-	96102240	96102313
SLV.80.80.150.2.52H.S.Q.EX.51D	99412218	10	H	2	80	-	-	96102240	96102313
SLV.80.80.170.2.52H.S.Q.EX.51D	99412213	10	H	2	80	-	-	96102240	96102313
SLV.80.80.185.2.52H.S.Q.EX.51D	99412207	10	H	2	80	-	-	96102240	96102313
SLV.80.80.200.2.52H.S.Q.EX.51D	99412204	10	H	2	80	-	-	96102240	96102313
SLV.80.80.220.2.52H.S.Q.EX.51D	99072639	10	H	2	80	-	-	96102240	96102313
SLV.80.80.240.2.52H.S.Q.EX.51D	99412191	10	H	2	80	-	-	96102240	96102313
SLV.80.80.265.2.52H.S.Q.EX.51D	99412184	10	H	2	80	-	-	96102240	96102313

TIPS: To ensure optimal protection of the pump and to allow proactive service, SE and SL pumps are available with additional sensors built into the pump. See section *Sensors* on page 46 for further information.

## 6. Variants

### List of variants

#### Motor

		10 m
Various cable lengths	Length of cable depends on motor size and main supply.	15 m
		25 m
		30 m
		50 m
		10 m
EMC power cables	Screened power cables for variable-speed drives Length of cable depends on motor size and main supply. See notification on EMC cables, see <i>Product description</i> on page 45.	15 m
		25 m
		30 m
		50 m
		10 m
Special motor	Special voltage available on request	Contact Grundfos.
PTC thermistors in windings		

#### Motor protection

Thermal switch / PTC + moisture switch	Standard
Thermal switch / PTC + moisture switch	Standard Ex. version
Thermal switch / PTC + moisture switch + Pt1000	Sensor version 1
Thermal switch / PTC + moisture switch + Pt1000	Sensor Ex. version 1
Thermal switch / PTC + moisture switch + Pt1000 + PVS3 + SM 113 and IO 113*	Sensor version 2
Thermal switch / PTC + moisture switch + Pt1000 + PVS3 + SM 113 and IO 113*	Sensor Ex. version 2

\* IO 113 is not part of the pump delivery. It must be ordered separately.

#### Tests \*

Test at specified duty point based on standard impeller/curve	
Trimmed impeller for specified duty test	(Only SuperVortex impellers)
Duty point verification report (according to ISO 9906:2012 grade 3B)	Duty point verification test guaranteed by Grundfos
Duty point verification report (according to ISO 9906:2012 grade 2B and 2U)	Duty point verification test guaranteed by Grundfos
Duty point verification report (according to ISO 9906:2012 grade 1B and 1U)	Duty point verification test guaranteed by Grundfos

**Note:** All requests regarding tests must be specified when ordering the pump.

\* Tests and test reports are available by contacting Grundfos.

#### Certificates \*

ATEX-approved pump report	Special Grundfos report.
Certificate of compliance with order	According to EN10204 2.1.
Pump certificate	According to EN10204 2.2.
Inspection certificate	According to EN10204 3.1.
Material specification report	According to EN10204 3.1B.
Material report with certificate	According to EN10204 3.2.
Hydrostatic pressure test certificate	
Painting certificate (including verification of painting thickness)	
Electric motor test report certificate	
Inspection certificate, Lloyds Register	According to EN10204 3.2.
Inspection certificate, DNV (Det Norske Veritas)	According to EN10204 3.2.
Inspection certificate, Germanischer Lloyd	According to EN10204 3.2.
Inspection certificate, American Bureau of Shipping	According to EN10204 3.2.
Inspection certificate, Bureau Veritas	According to EN10204 3.2.
Registro Italiano Navale Agenture	According to EN10204 3.2.
Other third-party test certificates	
IECEx approved pump	
IECEx approved report (special Grundfos report)	

\* Certificates are available by contacting Grundfos.

**Miscellaneous \***

Duplex stainless steel impeller according to EN1.4517	<ul style="list-style-type: none"> <li>Increased resistance against abrasive pumped liquid.</li> </ul>
FKM sealing (optional)	<ul style="list-style-type: none"> <li>Resistant to acids</li> <li>resistant to mineral oils and vegetable oils</li> <li>resistant to most solvents (toluene, petrol, trichloroethylene etc.).</li> </ul>
Cable protection hose	<ul style="list-style-type: none"> <li>Resistant to acids</li> <li>resistant to most oils</li> <li>resistant to most solvents etc.</li> </ul>
Ceramic coating of impeller and pump housing	<ul style="list-style-type: none"> <li>Reduced wear rate of cast iron parts</li> <li>increased corrosion resistance</li> <li>beneficial in case of low number of operating hours.</li> </ul>
Extra epoxy coating, 300 µm or 450 µm	<ul style="list-style-type: none"> <li>Increased corrosion resistance.</li> </ul>
Top coating (black RAL9005, red RAL 3000 and other colours)	
Special packaging	
Special nameplate	
Other variants	

\* Miscellaneous variants are available by contacting Grundfos.

# 7. Construction

## Sectional drawings, motors

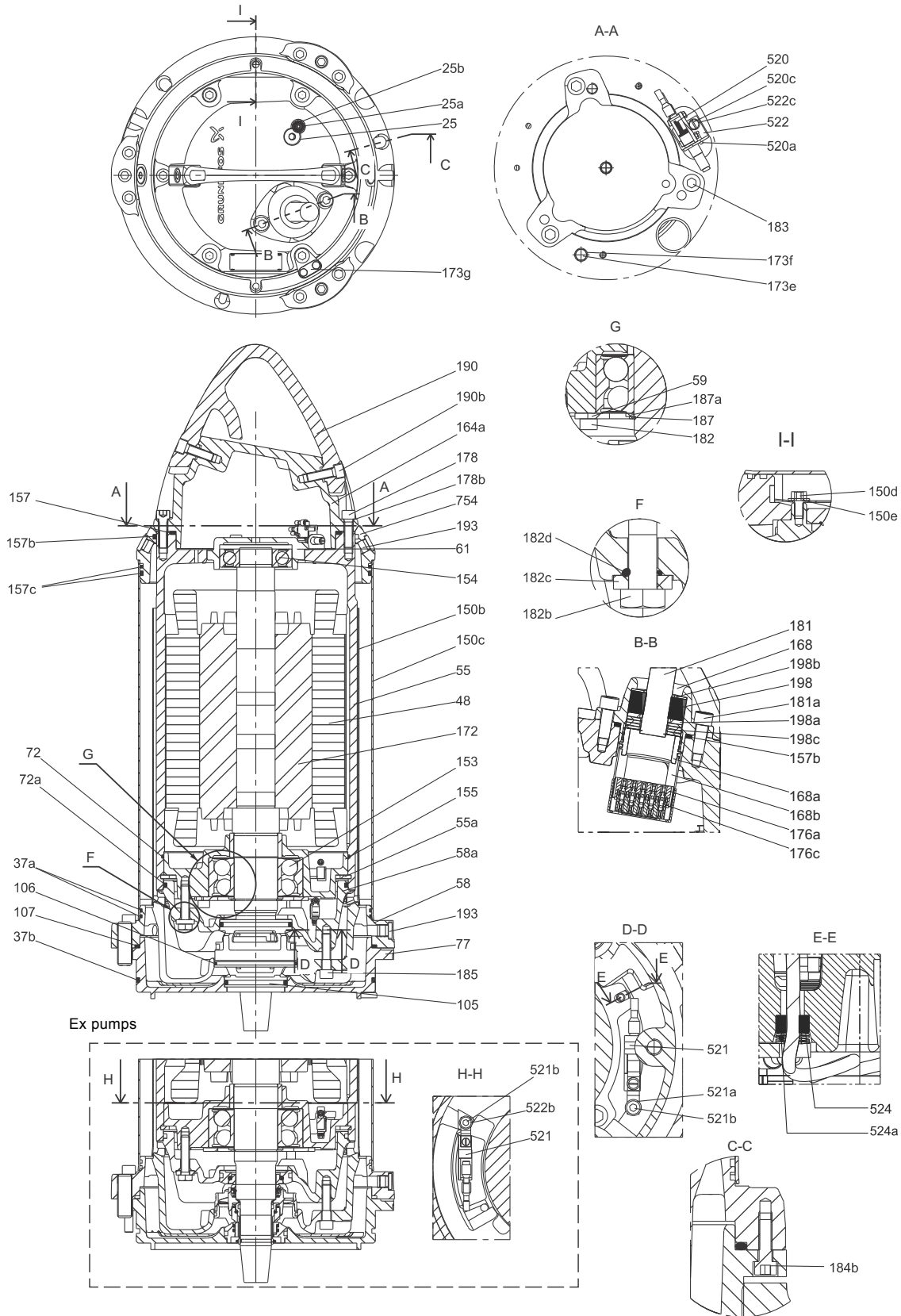


Fig. 4 SE pump, with cooling jacket (2- and 4-pole motors)

TM05 3450 4317

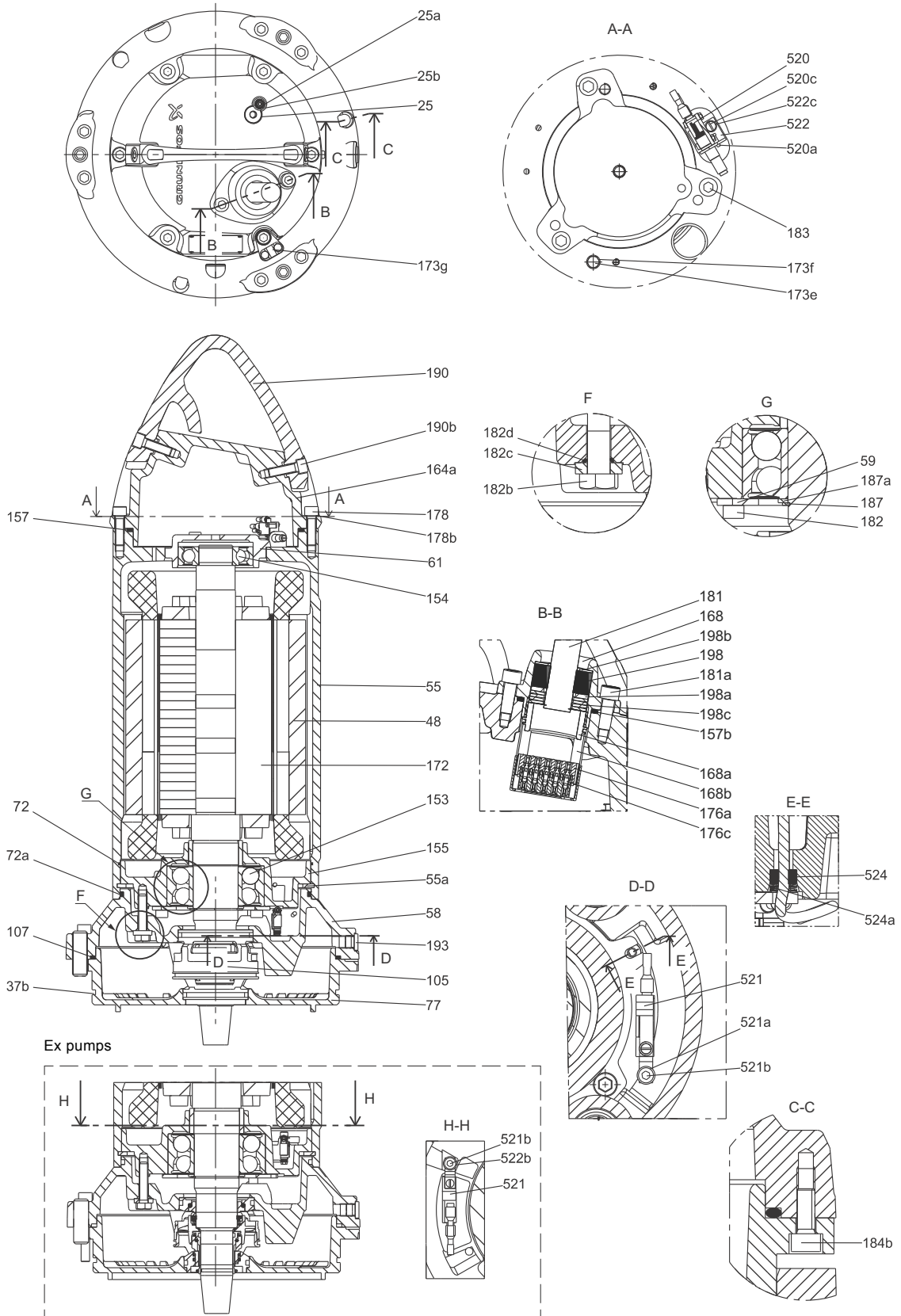


Fig. 5 SL pump, without cooling jacket (2- and 4-pole motors)

TM05 3452 4317



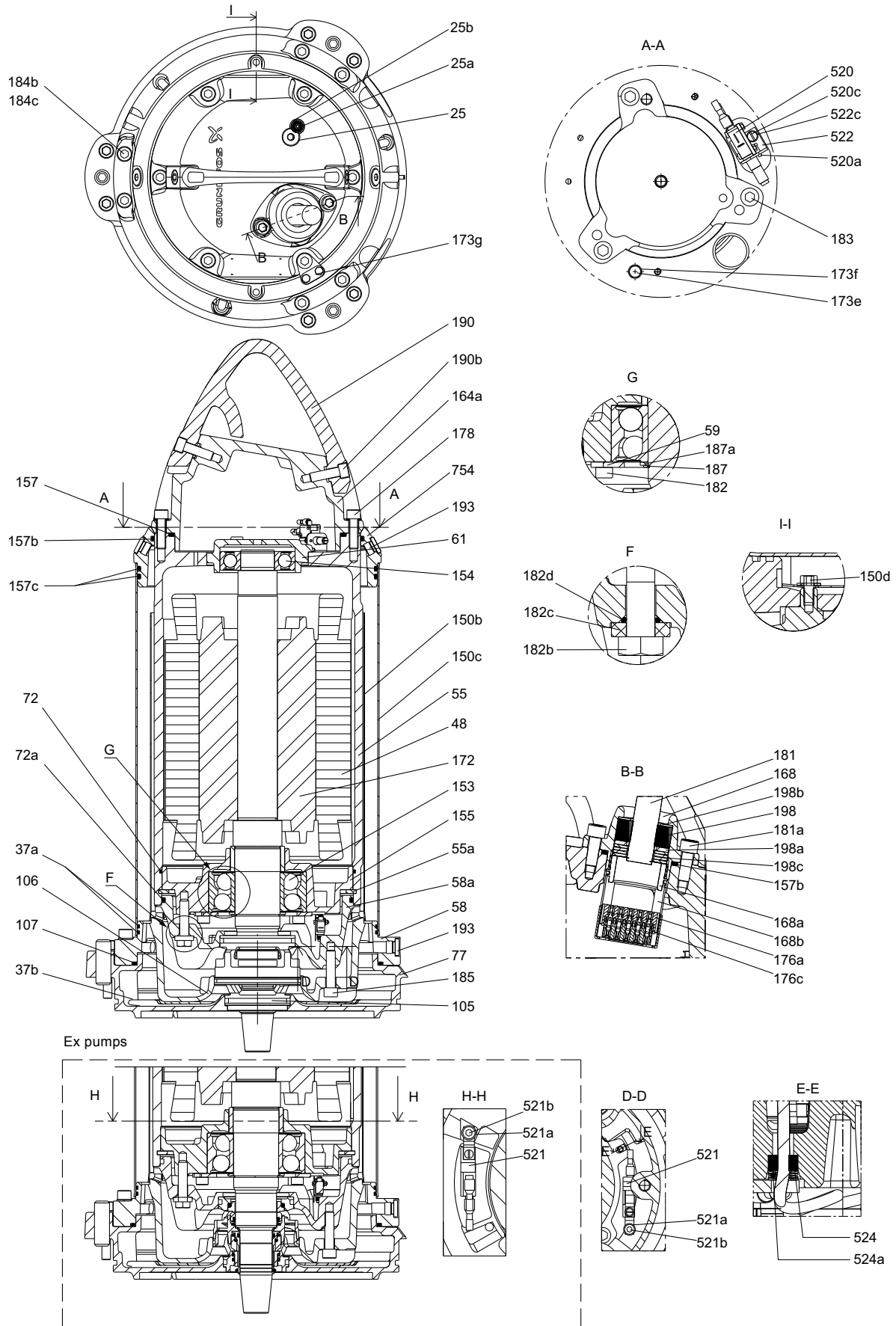


Fig. 6 SE pump, with cooling jacket (6-pole motors)

TM06 5466 4317

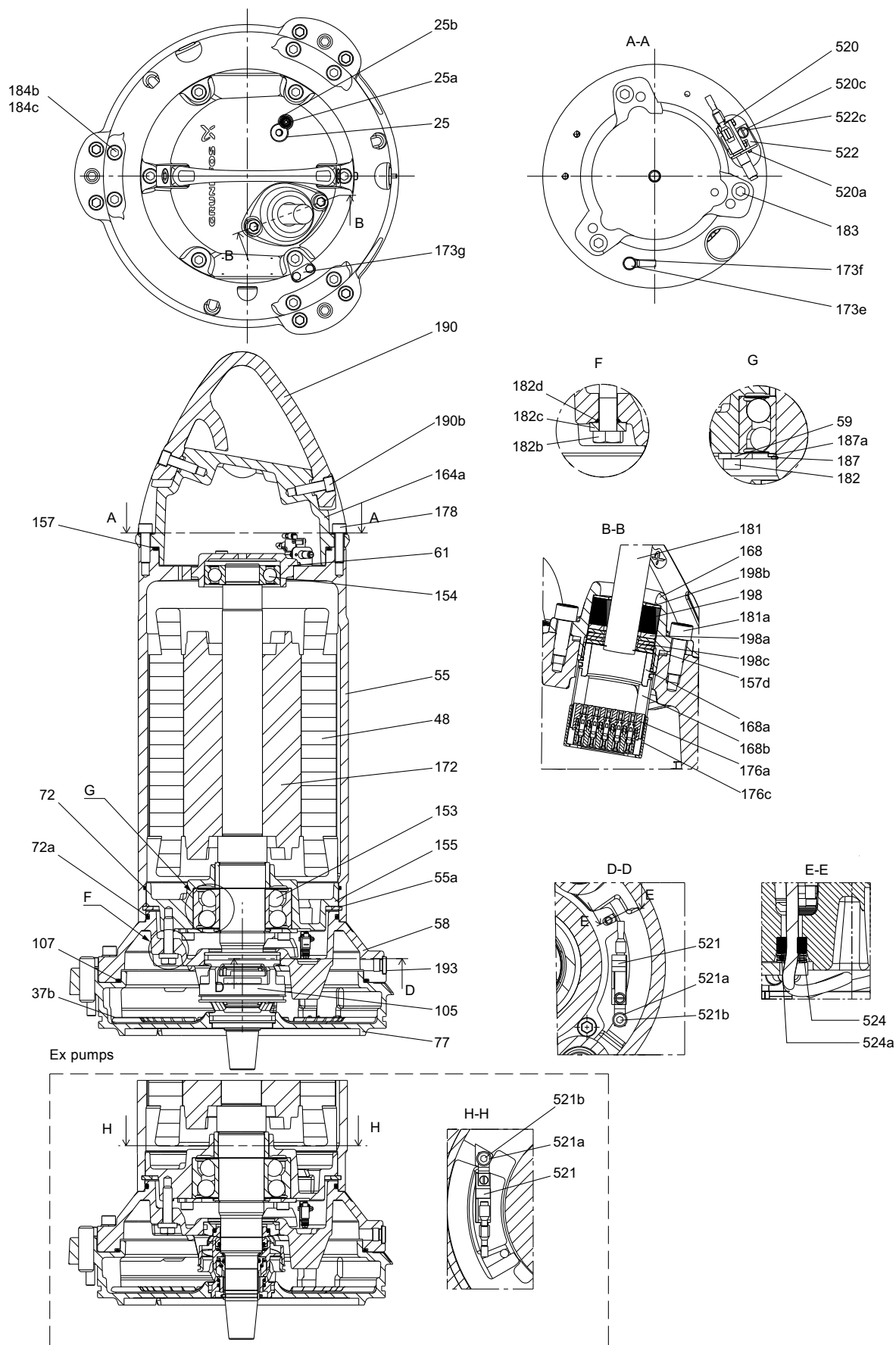


Fig. 7 SL pump, without cooling jacket (6-pole motors)

TM06 5467 4317

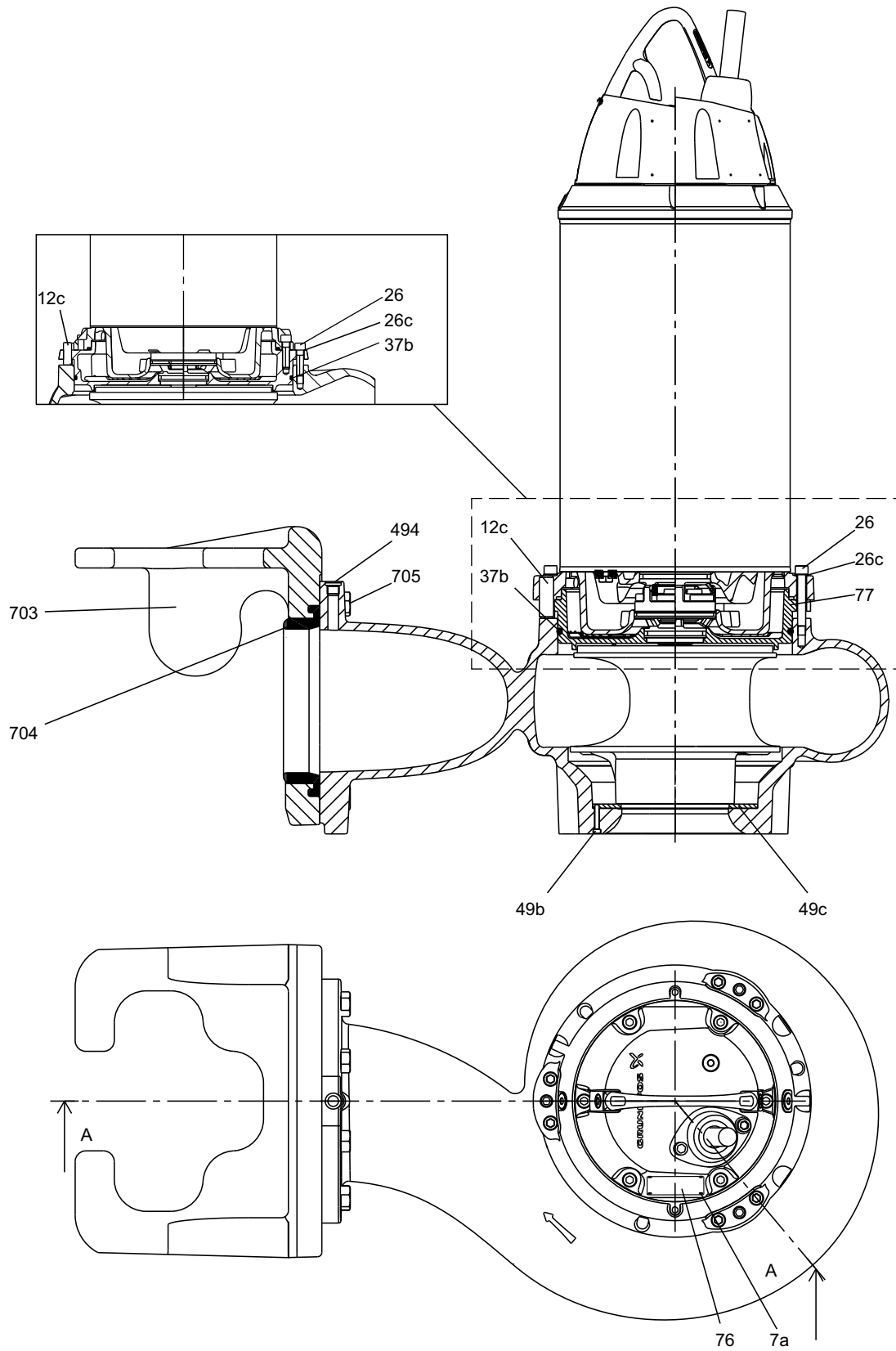


Fig. 8 SE pump, with guide claw

TM05 3483 4317

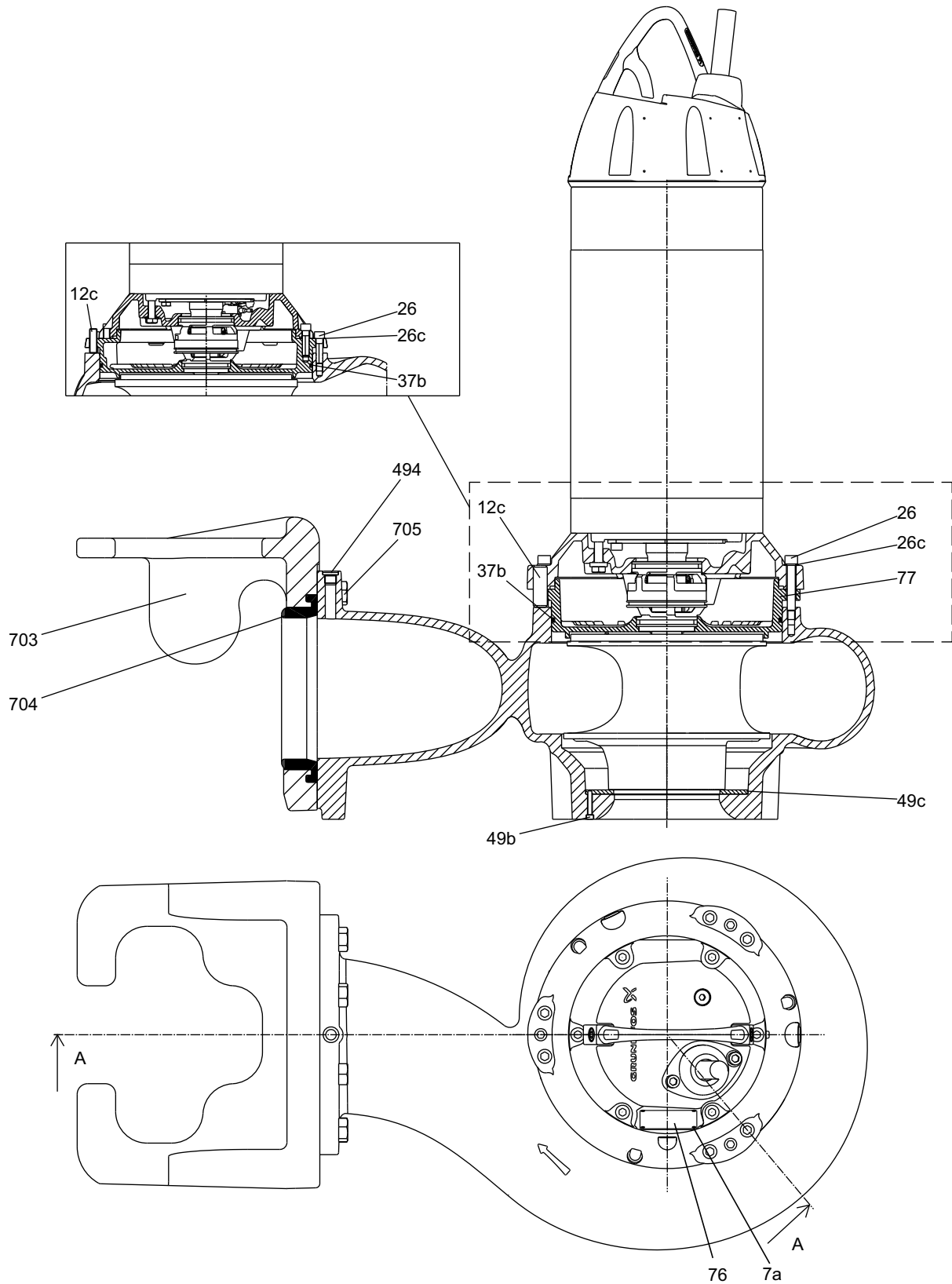


Fig. 9 SL pump, with guide claw (6-pole motors)

TM05 3484 4317

Sectional drawings, pumps

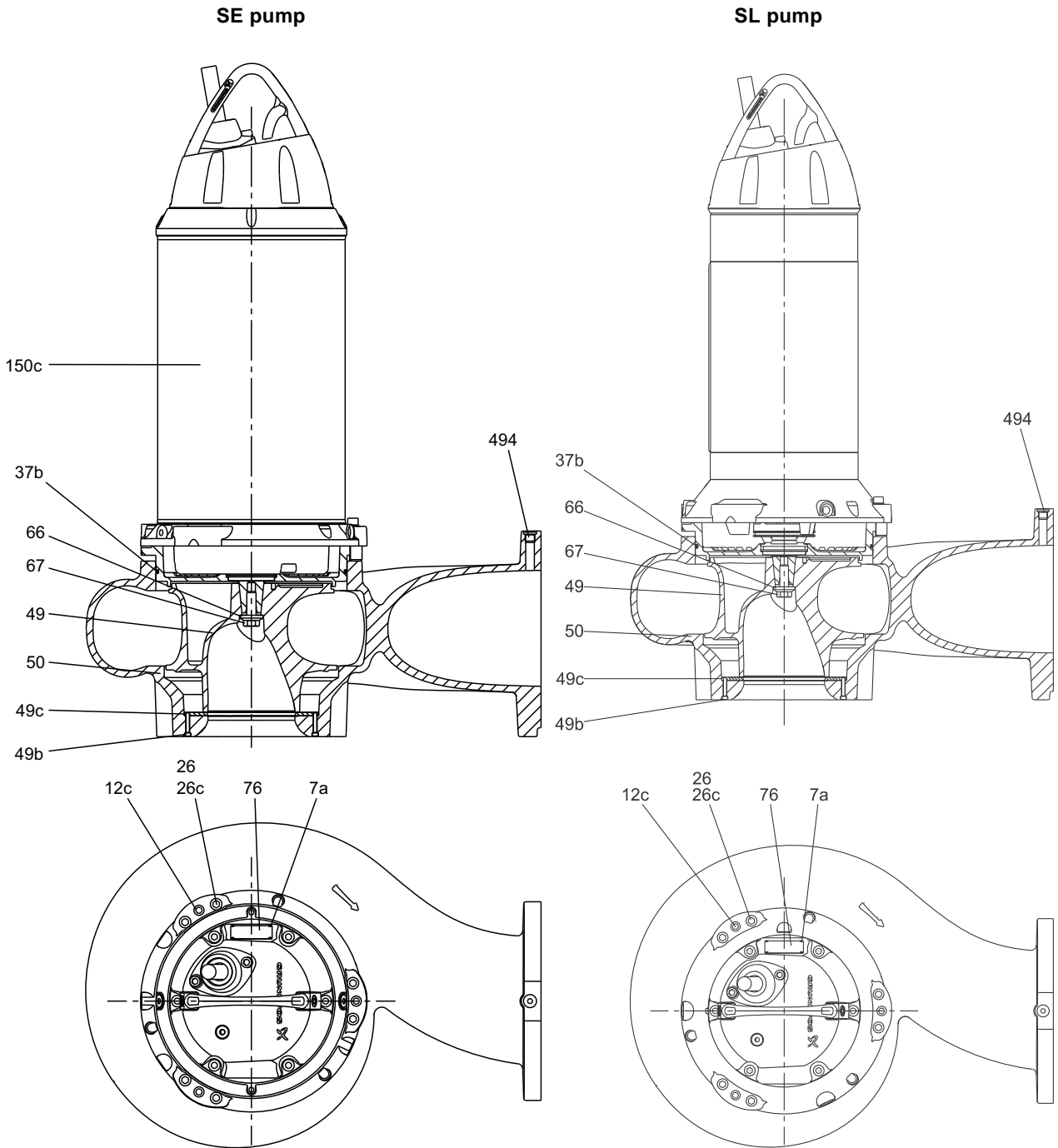


Fig. 10 SE and SL pump, with closed S-tube® impeller

TM05 2784 0917 - TM06 8607 4317

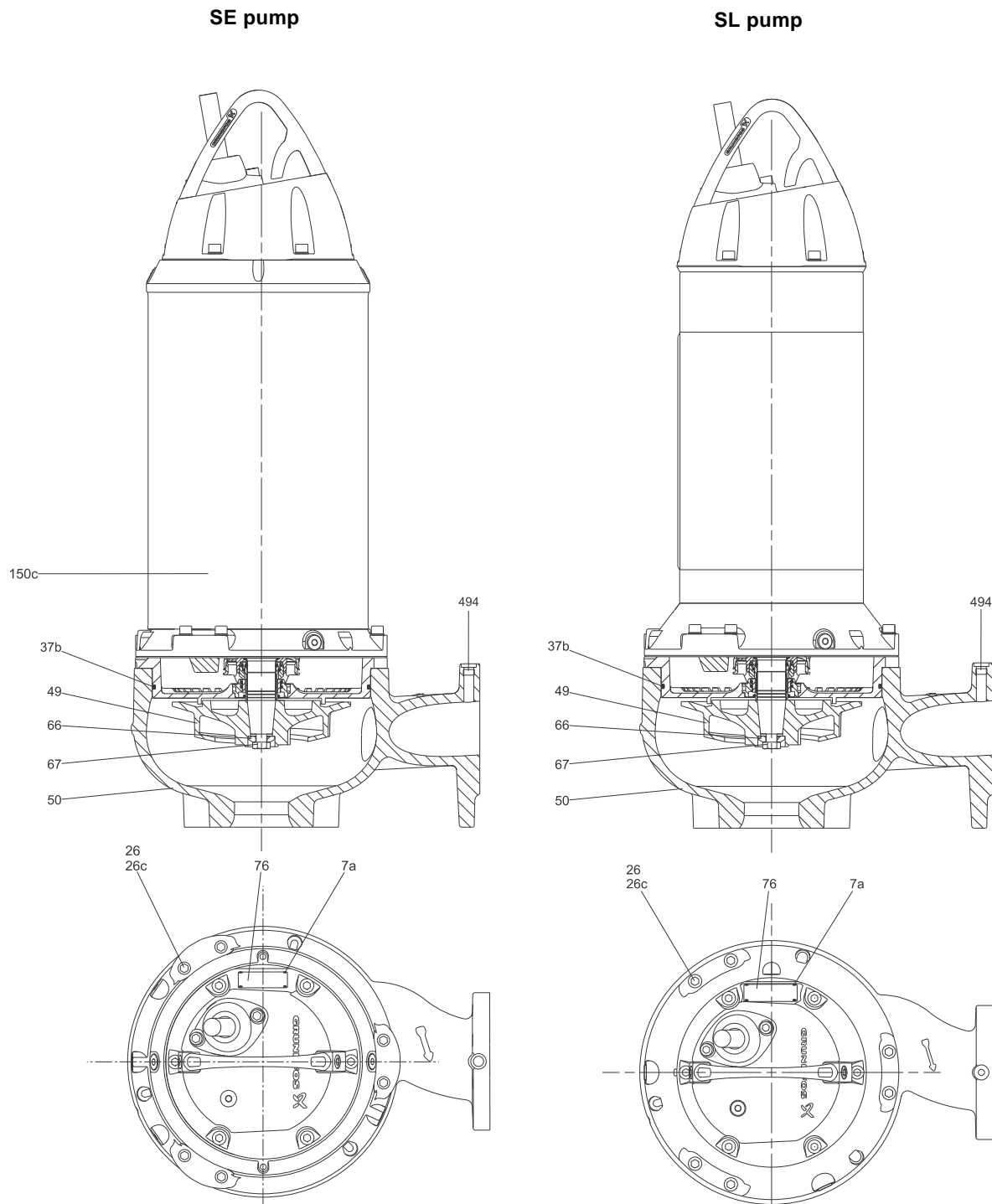


Fig. 11 SE and SL pump, with SuperVortex impeller

TM05 2785 43 17 - TM06 8464 4317

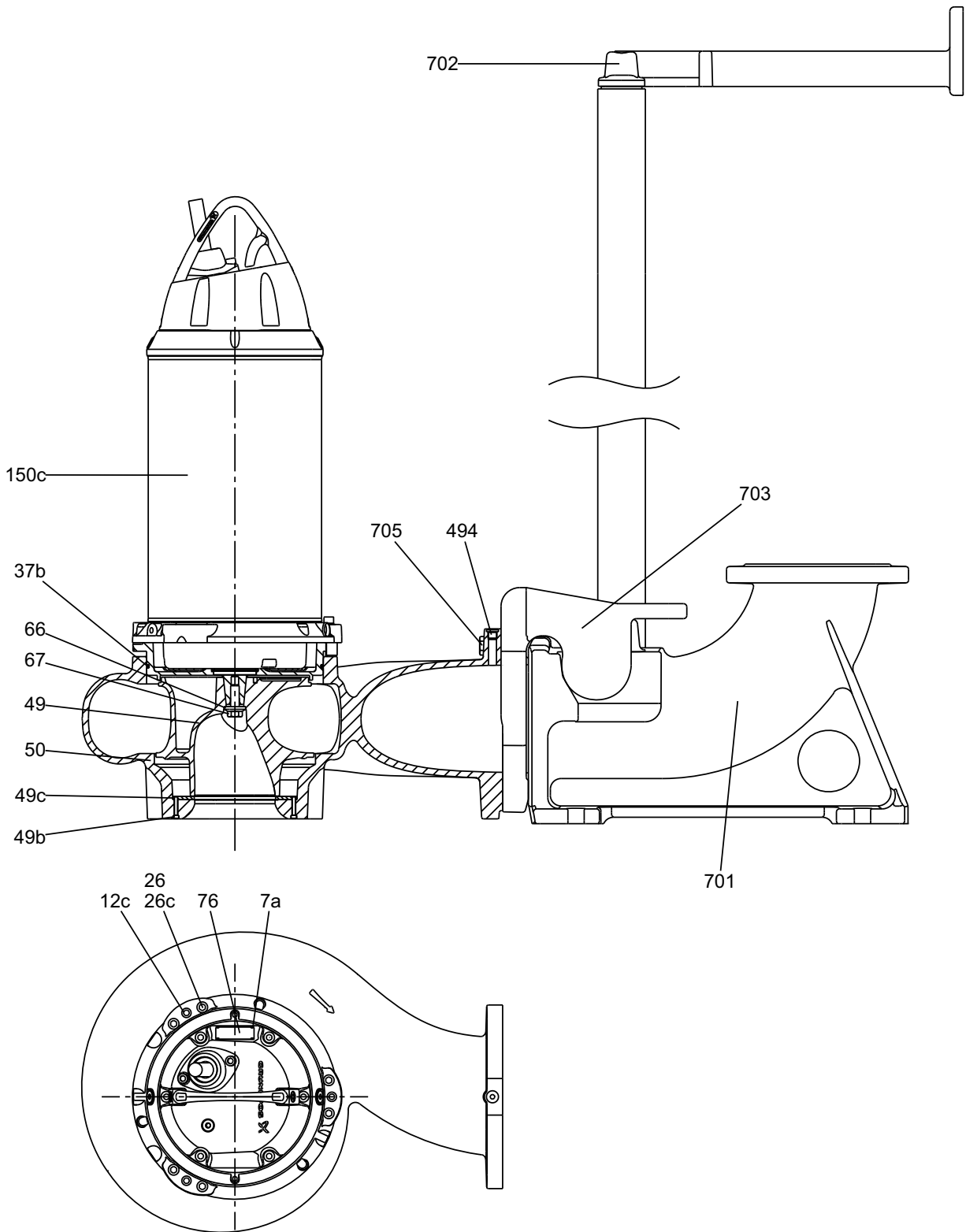
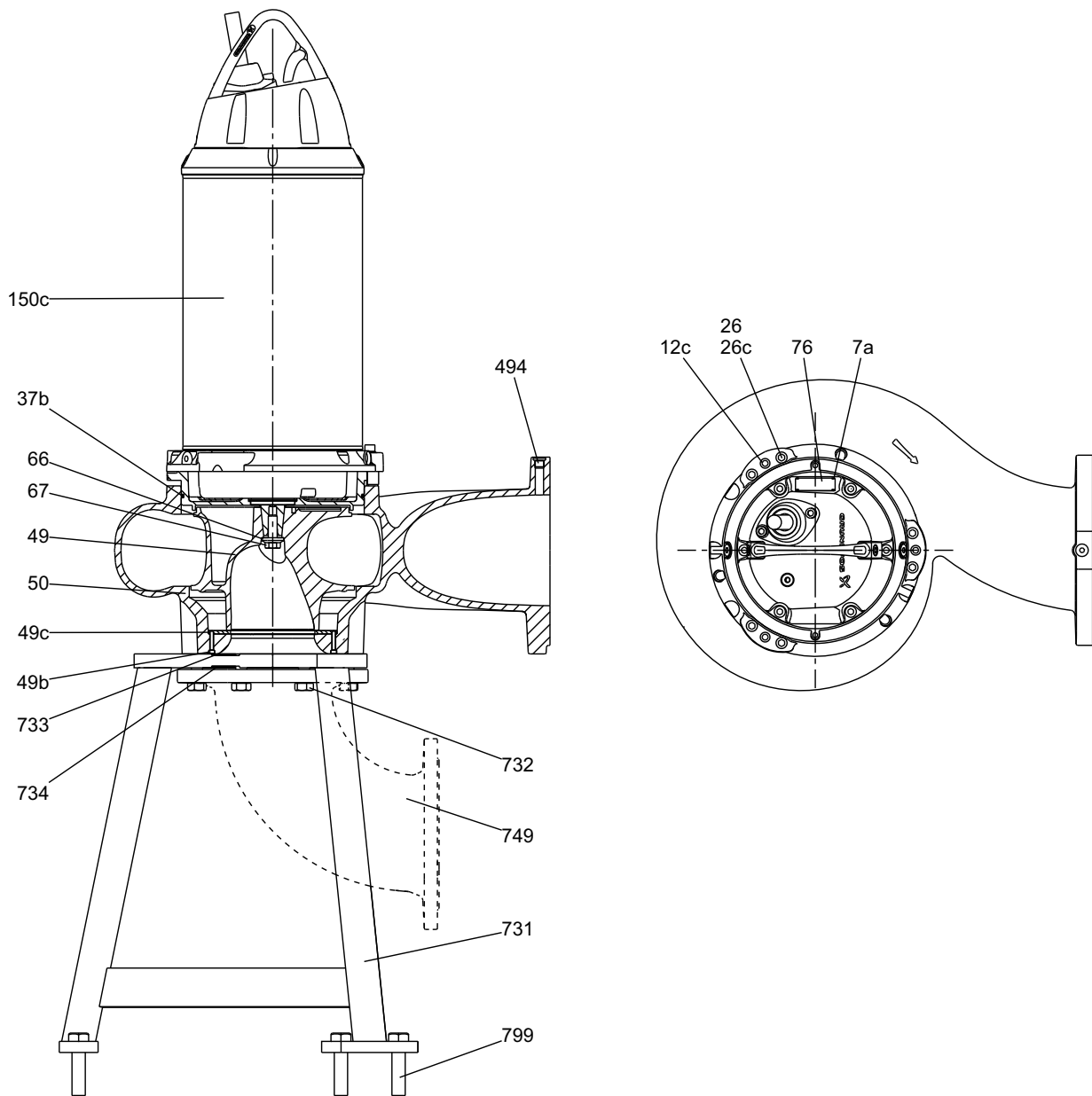


Fig. 12 SE pump, with guide claw for auto coupling

TM05 2781 0917



**Fig. 13** SE pump, dry installation on vertical base stand - version 1 (up to DN 200)

TM05 2782 0417



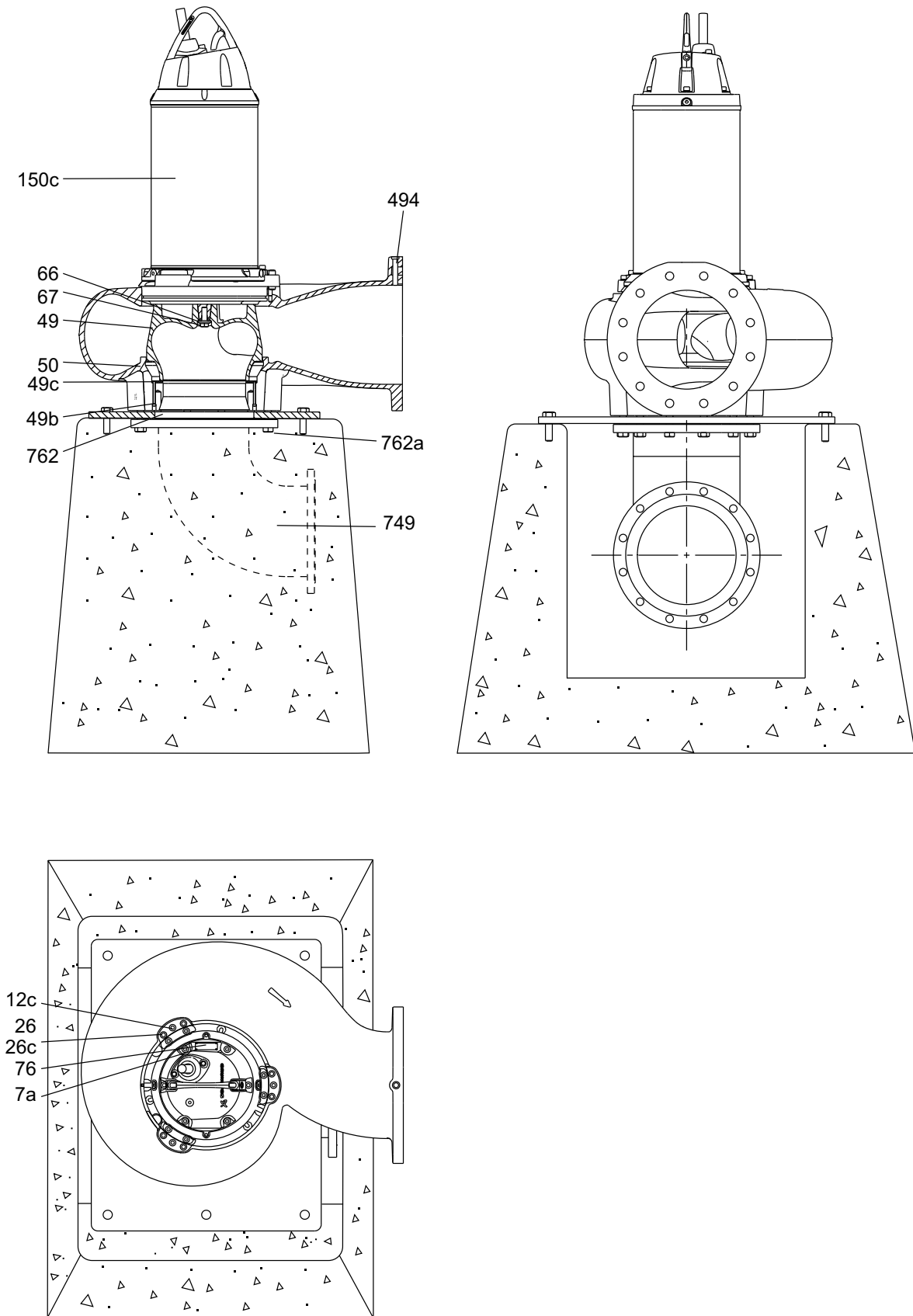


Fig. 14 SE pump, dry installation on concrete foundation - version 2 (DN 250 and up)

TM07 0137 4317

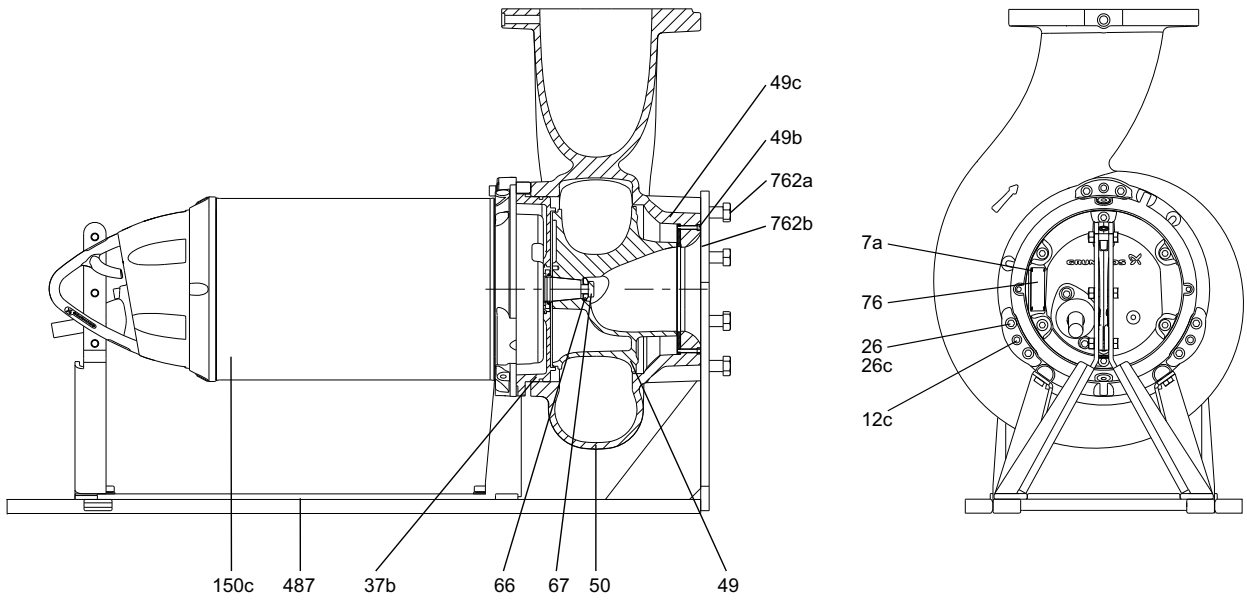


Fig. 15 SE pump, dry installation on horizontal base stand

TM05 2780 4317

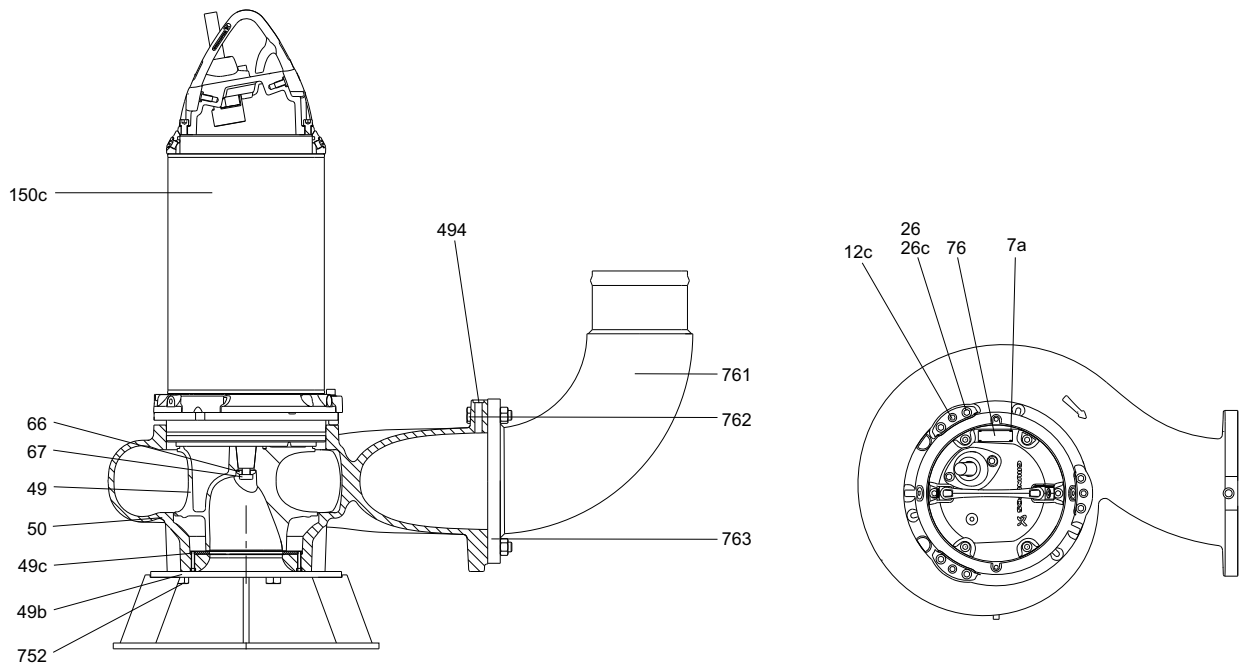


Fig. 16 SE pump, on ring stand

TM05 2783 4317

## Components and material specification

The position numbers in the table below refer to the sectional drawings on the previous pages.

### Motor

Pos.	Component	Material	DIN W.-No./ EN standard	AISI/ ASTM
12c	Adjusting screw	Stainless steel	1.4436	316
25	Pressure test plug	Stainless steel	1.4436	316
25a*	Screw	Stainless steel	1.4436	316
25b*	Lock washer	Stainless steel	1.4436	316
26	Screw	Stainless steel	1.4436	316
26c	Washer	Stainless steel	DIN 433	
37a	O-ring	NBR rubber		
37b	O-ring	NBR rubber		
48	Stator lamination			
55	Stator housing	Cast iron	EN-JL-1040	ASTM A48 Class 40B
55a	Circlip	DIN 472		
58	Intermediate seal housing (SE) Upper seal housing	Cast iron	EN-JL-1040	ASTM A48 Class 40B
58a	Upper seal housing cover	Cast iron	EN-JL-1040	ASTM A48 Class 40B
59	Bearing bracket cover	Cast iron	EN-JL-1040	ASTM A48 Class 40B
61	Upper bearing bracket	Cast iron	EN-JL-1040	ASTM A48 Class 40B
66	Impeller washer	Stainless steel	1.4436	316
67	Impeller screw	Stainless steel	1.4436	316
72a	O-ring	NBR rubber		
77	Lower seal housing			
105	Shaft seal cartridge cpl.	SiC/SiC or SiC/carbon A		
105a	Lock ring			
106	O-ring for shaft seal			
107	O-ring	NBR rubber		
150b	Inner cooling jacket			
150d	Screw			
150e	Washer	Stainless steel	DIN 433	
153	Ball bearing	Stainless steel		
154	Ball bearing	Stainless steel		
155	Lower bearing bracket	Cast iron	EN-JL-1040	ASTM A48 Class 40B
157	O-ring	NBR rubber		
157b	O-ring	NBR rubber		
157c	O-ring	NBR rubber		
157d	O-ring			
164a	Motor top cover	Cast iron	EN-JL-1040	ASTM A48 Class 40B
168	Cable entry	PA or cast iron		
168a	Cable entry lower			
168b	Cover for connector			
172	Shaft with rotor	Stainless steel	1.4462	UNS31803
173e	Screw	Stainless steel	1.4436	316
173f	Spring washer	Stainless steel	1.4436	316
173g	External ground connector	Stainless steel	1.4436	316
176a	Terminal block			
176c	Plug housing			
178	Screw	Stainless steel	1.4436	316
178b	Washer	Stainless steel	DIN 433	
181a	Screw	Stainless steel	1.4436	316

Pos.	Component	Material	DIN W.-No./ EN standard	AISI/ ASTM
181	Cable			
181b	EMC cable/shield			
182	Screw	Stainless steel	1.4436	316
182b	Hexagon socket head cap screw	Stainless steel	1.4436	316
182c	Washer			
182d	O-ring			
183	Screw			
184b	Screw	Stainless steel	1.4436	316
184c	Washer	Stainless steel	DIN 433	
185	Screw			
187	Circlip			
187a	Washer	Stainless steel	1.4436	316
190b	Screw	Stainless steel	1.4408	CF8M
190	Lifting bracket	Stainless steel	1.4408	CF8M
193	Plug	Stainless steel	1.4408	CF8M
198	Rubber seal			
198b	Washer			
198a	Washer			
198c	Disc spring			
520a	Screw	Stainless steel	1.4436	316
520	Moisture switch, top			
520c	Screw			
521	Moisture switch, bottom			
521a	Washer	Zn DIN 127		
521b	Screw			
522	Bracket for moisture switch			
522b*	Washer			
522c	Washer lock			
524	Rubber bush			
524a	Disc spring			
754	Cooling jacket ring			

\* Only in Ex pumps

Material declaration:

- Grey cast iron is manufactured according to EN 1561:1997.
- Cast stainless steel is manufactured according to EN 10283:2010.
- Conversion to other standards such as AISI/ASTM is normative, and products are not manufactured according to these.

## Pump

Pos.	Component	Material	DIN W.-No./ EN standard	AISI/ ASTM
7a	Rivet			
9a	Key (for keyway)	Stainless steel	1.4436	316
12c	Adjusting screw	Stainless steel	1.4436	316
26	Screw	Stainless steel	1.4436	316
37	O-ring	NBR rubber		
37b	O-ring	NBR rubber		
49	Impeller (closed S-tube®)	Cast iron	EN-GJL-250	A48 35B
		Stainless steel	1.4408	A351 CF8M
	Impeller (SuperVortex)	Cast iron	EN-GJS- 500-7	A536 grade 70- 50-05
		Stainless steel	1.4408	A351 CF8M
			1.4517	316
			1.4517	316
49b	Screw			
49c	Wear ring	Carbon steel		
50*	Pump housing	Cast iron	EN-JL-1040	ASTM A48 Class 40B
66	Impeller washer	Stainless steel	1.4436	316
67	Impeller screw	Stainless steel	1.4436	316
76	Nameplate			
150c	Outer cooling jacket	Stainless steel	1.4436	316
494	Plug	Stainless steel	1.4436	316

## Material declaration:

- Grey cast iron is manufactured according to EN 1561:1997.
- Cast stainless steel is manufactured according to EN 10283:2010.
- Conversion to other standards such as AISI/ASTM is normative, and products are not manufactured according to these.

## Accessories

Pos.	Component	Material	DIN W.-No./ EN standard
487	Base stand, horizontal	Galvanised steel	
701*	Auto coupling base unit	Cast iron or stainless steel	
702	Guide rail bracket	Cast iron or stainless steel	
703*	Guide claw	Cast iron or stainless steel	
704	Rubber seal	Neoprene 60	
705	Screw	Steel 8.8	DN 933
731	Base stand, vertical	Galvanised steel	
732	Screw for base stand	Steel 8.8	DN 933
733	Flange seal, upper, for base stand		
734	Flange seal, lower, for base stand		
749	Bend	Cast iron	
751	Ring stand	Galvanised steel	
752	Screw for ring stand	Steel 8.8	DN 933
753	Flange seal for ring stand		
761	Hose connector	Cast iron or stainless steel	
762	Base plate		
762a	Screw for hose connector** or base plate connector***	Steel 8.8	DN 933
763	Flange seal for hose connector		

\* Stainless steel available for DN 80 to DN 150

\*\* For dry, vertical installation on vertical stand

\*\*\* For dry, vertical installation on concrete base

## 8. Product description

### Features

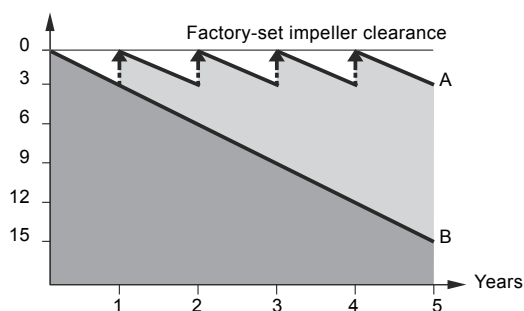
#### SmartTrim

On conventional pumps, maintaining factory-set impeller clearance is a time-consuming and costly task. The pumps must be disconnected from the pipes and must be totally dismantled, and new parts must be installed in order to maintain full pumping efficiency. Not so with Grundfos SmartTrim!

All Grundfos heavy-duty closed S-tube<sup>®</sup> impeller pumps, whether for submerged or dry installation, are equipped with the unique SmartTrim impeller clearance adjustment system. This enables you to easily restore the factory-set impeller clearance and maintain peak pumping efficiency. All you need to do is to tighten the adjustment screws on the exterior of the impeller housing. This can be done quickly and easily on site, without dismantling the pump or without using special tools.

For a video presenting the SmartTrim assembly, click here. (<https://youtu.be/QZ6AodFNPBM>)

Efficiency drop in %



TM04 2391 2508

**A:** With Grundfos SmartTrim impeller clearance adjustment system

**B:** Without impeller clearance adjustment system

#### SmartSeal

The Grundfos SmartSeal auto coupling gasket mounted on the pump outlet flange provides a completely leak-proof connection between the pump and the base unit of the auto coupling. This optimises the efficiency of the entire pumping system and keeps operating costs at a minimum.

#### Ball bearings

The bearings are greased for life.

**Main bearing:** Double-row angular contact ball bearing.

**Support bearing:** Single-row deep-groove ball bearing.

#### Shaft seal



Gr-1014783

The shaft seal consists of two mechanical seals and separates the motor from the pumped liquid.

The shaft seal is a cartridge seal for easy service. The combination of the primary and secondary seals in a cartridge results in a shorter assembly length compared to conventional shaft seals. Furthermore, this design minimises the risk of incorrect fitting.

The seal faces of the primary shaft seal are SiC/SiC and the seal faces of the secondary shaft seal are carbon A /ceramic.

#### Motor

The motor is a watertight, totally encapsulated motor with:

- insulation class H (180 °C)
- temperature rise class B (80 K)
- enclosure class IP68.

For motor protection and sensors, see *Sensors* on page 46.

#### Power cables

##### Standard S1BN8-F

Cable type [mm <sup>2</sup> ]	Outer cable diameter [mm]		Bending radius
	Min.	Max.	[cm]
7 x 4 + 5 x 1.5	21.0	23.0	12.0
7 x 6 + 5 x 1.5	23.8	26.8	13.0
7 x 10 + 5 x 1.5	24.5	27.5	14.0

##### EMC (S1BC4N8-F)

Cable type [mm <sup>2</sup> ]	Outer cable diameter [mm]		Bending radius
	Min.	Max.	[cm]
3 x 6 + 5 x 1	24.5	27.5	14.0
3 x 10 + 5 x 1	24.7	27.7	
3 x 16 + 5 x 1	24.9	27.9	

The standard cable length is 10 m. Other cable lengths are available on request. See *List of variants* on page 29.

The cable dimension depends on the motor size.

### Surface treatment

Grundfos pumps are given the following surface treatment:

- cathaphoresis treatment of all cast iron parts
- powder painting: NCS 9000N (black), gloss code 30, thickness minimum 100 µm / maximum 200 µm.

### Motor liquid

The motor is factory-filled with Grundfos motor liquid SML-3, which is frost-proof down to -20 °C.

#### Specification of SML-3:

##### • Corrosion protection

Grundfos motor liquid protects metals and alloys in the equipment against all forms of corrosion. The combination of low toxicity and FDA-approved ingredients with a high level of corrosion protection makes Grundfos motor liquid unique in the market. The anti-corrosion performance is demonstrated according to ASTM D 1384.

##### • Compatibility and mixability

Grundfos motor liquid is compatible with most other heat transfer fluids based on mono-propylene glycol. Grundfos motor liquid must only be mixed with clean water. The product can be delivered as a dilution mixed with the proper amount of purified water.

##### • Toxicity and safety

Grundfos motor liquid consists of FDA-approved components for heat transfer fluids with incidental food contact. Neither the Grundfos motor liquid concentrate nor any dilution is classified according to the European Dangerous Preparations Directive.

### Cable entry

Watertight stainless steel cable entry with soft shape and sealing rings to prevent damage of the cable or leaks. The cable entry has a user-friendly design, allowing the user to disconnect the cable in a fast and easy way. Only two bolts must be removed to access the terminal board.

### Sensors

SE and SL pumps are available with built-in sensors.

A pump with built-in sensors greatly reduces the risk of downtime and severe damage to your pump as you are informed immediately if a problem occurs.

Sensors can be used for different purposes, depending on pump type and connection. For instance, moisture switches must cut out power in case of water penetrating through the cable entry, cable or shaft seal, while bearing temperature sensors are used for monitoring the temperatures in the bearings.

The standard built-in sensors and the optional sensors are shown in the table below.

	Standard	Sensor version 1	Sensor version 2	Standard Ex.	Sensor version 1 Ex.	Sensor version 2 Ex.
Thermal switch or PTC in windings	•	•	•	•	•	•
Moisture switch in motor top compartment	•	•	•	•	•	•
Moisture switch in bottom of stator housing				•	•	•
Leakage switch in leakage chamber	•	•	•			
Pt1000 in motor winding		•	•		•	•
Pt1000 in upper bearing			•			•
Pt1000 in lower bearing				•		•
PVS3 vibration sensor			•			•
SM 113 module			•			•
IO 113 module*			•*			•*

\* IO 113 is not part of the pump delivery. It must be ordered separately.

As standard, the pump is equipped with:

- three thermal switches, one in each phase
- one moisture switch and one leakage switch - the moisture switch below the motor top cover and the leakage switch in the leakage chamber.

Pumps with sensor version 1 are equipped with:

- all sensors from the "standard pump"
- Pt1000 sensor in stator winding for temperature measurement.

Pumps with sensor version 2 are equipped with:

- all sensors from the "standard pump"
- Pt1000 sensor in stator winding for temperature measurement
- Pt1000 sensor in upper and lower bearing for temperature measurement
- SM 113.

**IO 113**

The IO 113 is a protection module for Grundfos wastewater pumps.

The IO 113 has inputs for digital and analog pump sensors and can stop the pump if a sensor indicates a pump fault.

The IO 113 is connected to the Dedicated Controls system and allows advanced monitoring functions:

- motor temperature
- moisture in motor
- insulation resistance.

**SM 113**

The SM 113 is used for collection and transfer of sensor data. The SM 113 works together with the IO 113 through power line communication using the Grundfos GENIbus protocol.

The SM 113 can collect data from:

- 3 current sensors, 4–20 mA
- 3 Pt100 thermal sensors
- 3 Pt1000 thermal sensors
- 1 PTC thermal sensor
- 1 digital input.

**MP 204**

MP 204 can be used as a stand-alone motor protector. MP 2040 may also be incorporated in a Grundfos Dedicated Controls system, in which it functions as a motor protector. The pump is protected secondarily by measuring the temperature with a Pt100 sensor and a PTC sensor or thermal switch.

**Customised sensor options**

1. Each motor winding has three built-in thermistors which can be used instead of the normal thermal switches. If used, a relay is needed to disconnect power in case of excess temperature.
2. The stator temperature sensor is an analogue sensor. Especially for versions without a cooling jacket, a temperature sensor in the stator can be used to give a warning well before the stator/bearings or other parts have reached a harmful temperature and well before the built-in thermal protection cuts-out the motor on overtemperature. In this way, customers can operate the pump with the stator housing above liquid level, provided that it is for short periods and with long intervals.
3. The bearing temperature sensors for upper and lower bearing temperature are PT1000 type sensors.
4. The pump vibration sensor is a Grundfos PVS3 vibration sensor (4–20 mA analogue sensor). The vibration sensor monitors the vibration level of the pump. A change in the vibration level indicates an abnormal situation. This can be caused by a clogged impeller, worn bearings, a closed outlet valve etc., indicating that service inspection must be carried out in order to protect the pump or the pipe system from being damaged.
5. The winding resistance can be measured via the Grundfos IO 113 module.

**Testing**

All pumps are tested before leaving the factory. The factory test report is based on ISO 9906:2012, 3B. Test reports can be ordered directly together with the pump or can be ordered separately based on the pump serial number.

Other tests or third party inspection certificates are available on request. See *List of variants* on page 29.

**Operating conditions****Pumps without a cooling jacket in submerged installation, SL1, SL2 and SLV**

- Continuous operation when pump is fully submerged to top of motor, see also page 109.

**Note:** Explosion-proof pumps must always be fully submerged.

**Pumps with a cooling jacket in submerged and dry installations, SL1, SL2 and SLV**

- Continuous and intermittent operation with maximum 20 starts per hour with water level down to the top of the pump housing, see also page 109.

**Frequency converter, CUE/VFD**

All pumps are designed for speed-controlled operation to keep the energy consumption at a minimum.

To avoid the risk of sedimentation in the pipes, operate the speed-controlled pump within a speed range of 30 to 100 % and at a flow rate above 1 m/s.

For more information, see the installation and operating instructions of the selected frequency converter at [www.grundfos.com](http://www.grundfos.com) (Grundfos Product Center).

## Pumped liquids

### Liquid and operation characteristics

Use the following table to identify the type of pump that best meets your needs. The table is for guidance only.

Description	SE1, SE2, SL1, SL2	SEV, SLV
Dry solids content up to 3 %	•	•
Dry solids content up to 5 %		•
Relatively low content of fibers and solids	•	•
Relatively high content of fibers and solids		•
Relatively low number of operating hours	•	•
Relatively high number of operating hours	•	

Pump type	Material variant	Installation	Material	pH value
SE1/SE2 SL1/SL2 SLV/SEV	Standard Q	Dry and submerged	Cast iron pump housing and motor top Stainless steel impeller, cast iron pump housing and motor top	6.5 to 14 <sup>1)</sup>

<sup>1)</sup> For fluctuating pH values, the range is pH 4 to 14.

Liquid temperature: 0 to 40 °C.

When pumping liquids with a density and/or a kinematic viscosity higher than that of water, use motors with correspondingly higher outputs.

For short periods (maximum 3 min.), a temperature of up to +60 °C is permissible (non-Ex versions only).

### Sound pressure

The sound pressure level of the pump is lower than 70 dB.

## Motor range

Shaft power [kW]	Number of poles
10	4
11	4 and 6
13	2, 4 and 6
15	2 and 4
16	6
17	2 and 4
18	6
18.5	2 and 4
20	2 and 4
22	2 and 4
24	2
26.5	2

## Explosion-proof pumps

Use explosion-proof pumps in potentially explosive environments. The explosion protection classification of the pumps is Ex c d IIB T3. The Ex d IIB T4 protection classification is available on request. Operation of the pump via a frequency converter requires temperature class T3. All installations must be approved by the local authorities.

## Level controllers

Grundfos offers dedicated pump controllers for monitoring liquid levels in the wastewater collecting tanks to ensure correct operation and protection of the pumps.

Grundfos pump controllers that are ideal to be connected to Grundfos SE and SL pumps include:

- Grundfos Dedicated Controls (DC)
- Grundfos LC and LCD controllers



## Grundfos DC Controllers



Gr-1016086

Fig. 17 Grundfos Dedicated Controls control cabinet

Grundfos Dedicated Controls (DC) is a control system designed for installation in municipal wastewater transportation, commercial buildings or network pumping stations with up to six wastewater pumps and an optional mixer or a flush valve.

Advanced control and data communication are also possible with the Grundfos Dedicated Controls system. The control cabinets are delivered with a built-in main switch and thermal magnetic circuit breaker.

Features and benefits:

- Advanced Flow Calculation
- Automatic energy optimisation
- Easy installation and configuration
- Configuration wizard
- Electrical overview
- Advanced data communication
- Advanced alarm and warning priority
- Supports several languages
- Daily emptying
- Mixer control or flush valve
- User-defined functions
- Anti-blocking
- Start level variation
- Advanced pump alternation with pump groups
- SMS scheduling
- Communication to SCADA, BMS, GRM or cell phone.

Dedicated Controls is ordered either with or without a built-in communication interface module (CIM).

The communication module enables the possibility for fieldbus protocol (e.g. PROFIBUS DP, Modbus RTU and PROFINET IO/Modbus TCP) and the communication line.

For further information about Grundfos Dedicated Controls, please see Grundfos Product Center:

- Grundfos Dedicated Controls, brochure <http://net.grundfos.com/qr/i/96925597>
- Grundfos iSolutions, brochure <http://net.grundfos.com/qr/i/99249771>
- Grundfos Controls Guide, product guide <http://net.grundfos.com/qr/i/97954965>

### Additional features, CUE or VFD

The CUE/VFD (optional), which is either a Grundfos variable frequency drive or a general variable frequency drive, offers better pump protection and a more steady flow through the pipe system.

In addition, Grundfos CUE,VFD offers these features and benefits:

- anti-blocking
  - automatic energy optimisation
  - specific-energy test
  - output frequency
  - monitoring of:
    - voltage\*
    - current\*
    - phase sequence\*
    - power\*
    - energy\*
    - torque\*
  - reverse start\*\*
  - run flushing
  - stop flushing
  - PID control.
- \* These functions are only available with a Grundfos CUE.
- \*\* We do not recommend reversing at full speed at any time. When reduced reverse operation settings are set, make sure constant torque is enabled in Variable Frequency Drive (VFD) (i.e. Grundfos CUE, Siemens Simatic, ABB, Schneider Electric etc.) to have maximum torque available when reversing.

### Grundfos LC and LCD controllers

Grundfos LC/LCD controllers are designed for installation in municipal wastewater transportation, commercial buildings or network pumping stations with up to two wastewater pumps. LC controller is designed to control one wastewater pump, whereas LCD is designed to control two wastewater pumps.

## Wiring diagrams

Connections for 3 x 380-415 V (1D)

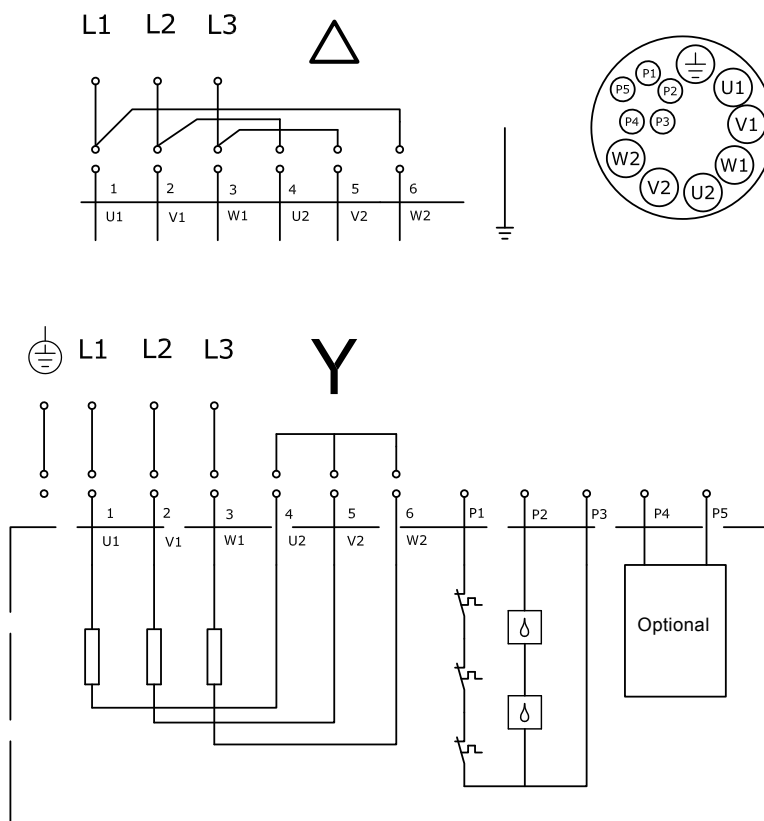


Fig. 18 Wiring diagram, 12-wire star/delta start

Connection for pump with EMC cable.  
Main supply voltage must be informed  
since pump will be connected according  
this from factory.

Connections for 3 x 660-690 V

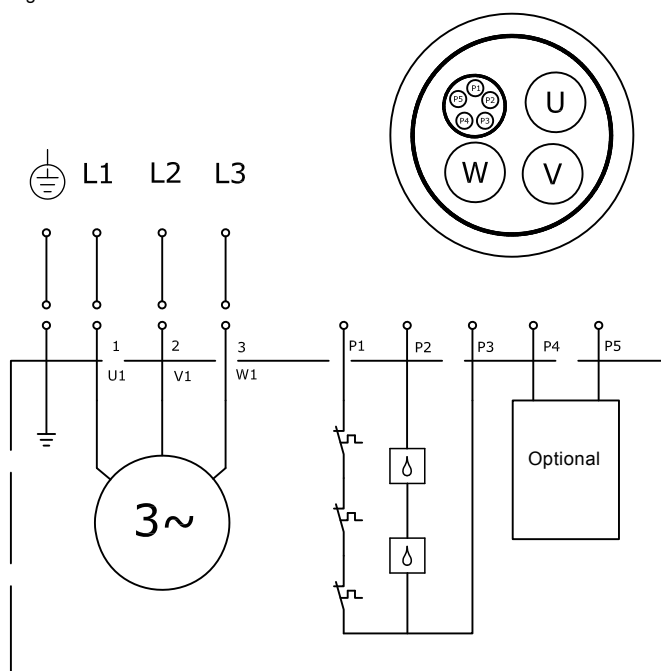


Fig. 19 Wiring diagram, 8-wire DOL start

TM05 2695 0412

TM05 2694 0412

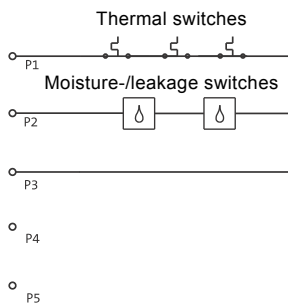


Fig. 20 Standard with thermal switches

TM05 2687 0412

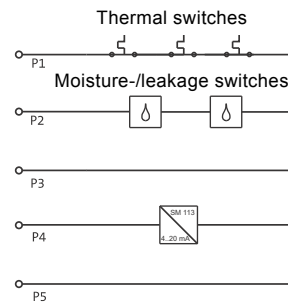


Fig. 25 Sensor version 2 (thermal switches) and version 2 Ex

TM05 2692 0412

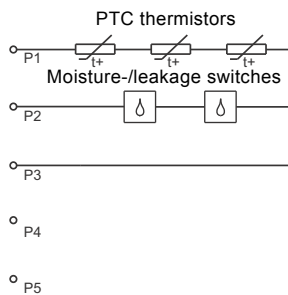


Fig. 21 Standard with PTC sensors

TM05 2688 0412

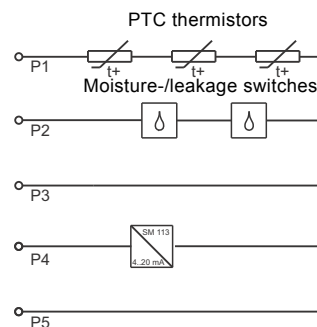


Fig. 26 Sensor version 2 (PTC) and version 2 Ex

TM05 2693 0412

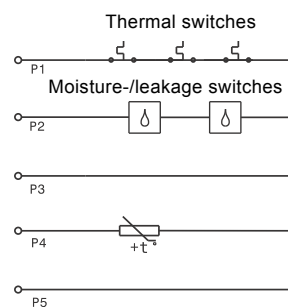


Fig. 22 Sensor version 1

TM05 2690 0412

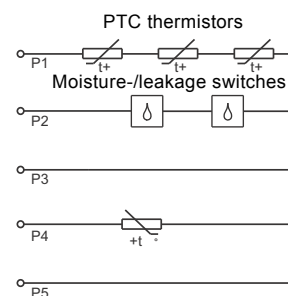


Fig. 23 Sensor version 1 (PTC)

TM05 2691 0412

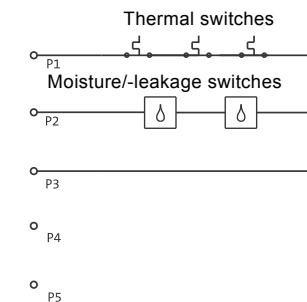


Fig. 24 Standard Ex and sensor version 1 Ex

TM05 2689 0412

Switch and sensor overview

	Standard	Sensor version 1	Sensor version 2	Standard Ex.	Sensor version 1 Ex.	Sensor version 2 Ex.
Thermal switch or PTC in windings	•	•	•	•	•	•
Moisture switch in motor top compartment	•	•	•	•	•	•
Moisture switch in bottom of stator housing				•	•	•
Leakage switch in leakage chamber	•	•	•			
Pt1000 in motor winding		•	•		•	•
Pt1000 in upper bearing			•			•
Pt1000 in lower bearing			•		•	
PSV3 vibration sensor			•		•	
SM 113 module			•		•	
IO 113 module*			•*		•*	

\* IO 113 is not part of the pump delivery. It must be ordered separately.

9

Curve charts and technical data

SE and SL pumps

# 9. Curve charts and technical data

## How to read the curve charts

**Total pump head**  
 $H = H_{total}$

**QH curve**

**Pump type**

**SL1/SE1.85.150.130.4.52H**  
50 Hz  
ISO 9906:2012 3B

The solid line represents the allowable operating range. The dotted line represents the range that the pump is not designed to operate.

Eta 2 is the hydraulic efficiency (pump).  
Eta 1 is the total efficiency (pump + motor).

Power curves indicating input power  $[P_1]$  and motor output power  $[P_2]$  of the pump shown.

NPSH curve for all variants shown are defined as maximum NPSH curves.

**Y-axis (Top Chart):** H [m] (0 to 28), Eta [%] (0 to 80)

**X-axis (Top Chart):** Q [l/s] (0 to 100), Q [m³/h] (0 to 350)

**Y-axis (Bottom Chart):** P [kW] (0 to 16), NPSH [m] (0 to 15)

**X-axis (Bottom Chart):** Q [l/s] (0 to 100), Q [m³/h] (0 to 350)

**Additional X-axis (Bottom Chart):** v [m/s] (0.0 to 5.5 for DN 150, 0.0 to 3.2 for DN 200)

TM05 3627 1419

**Note:** Pumps are tested according to ISO 9906:2012 grade 3B tolerances. Testing equipment and measuring instruments are designed and calibrated according to the standards mentioned. The pumps are approved according to tolerances for the entire curve, specified in grade 3B.

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## Curve conditions

The guidelines below apply to the curves shown in the performance charts on pages 54-104.

- Tolerances according to: ISO 9906:2012, grade 3B.
- The curves show pump performance with different impeller diameters at rated speed.
- The curves apply to the pumping of airless water at a temperature of +20 °C and a kinematic viscosity of 1 mm<sup>2</sup>/s (1 cSt).
- **ETA:** The lines show the hydraulic efficiency values of the pump for the different impeller diameters.
- **NPSH:** The curves show maximum NPSH values according to ISO 9906:2012.
- In case of densities other than 1000 kg/m<sup>3</sup>, the outlet pressure is proportional to the density.
- When pumping liquids with a density higher than 1000 kg/m<sup>3</sup>, motors with correspondingly higher outputs must be used.

### Calculation of total head

The total pump head consists of the height difference between the measuring points + the differential head + the dynamic head.

$$H_{\text{total}} = H_{\text{geo}} + H_{\text{stat}} + H_{\text{dyn}}$$

$H_{\text{geo}}$ : Height difference between measuring points.

$H_{\text{stat}}$ : Differential head between the inlet and the outlet side of the pump.

$H_{\text{dyn}}$ : Calculated values based on the velocity of the pumped liquid on the inlet and the outlet side of the pump.

## Performance tests

The requested duty point for every pump is tested according to ISO 9906:2012, grade 3B, and without certification.

In case of pumps ordered on the basis of impeller diameter only (no requested duty point), the pump will be tested at a duty point which is 2/3 of the maximum flow rate of the published performance curve which is related to the ordered impeller diameter (according to ISO 9906:2012, grade 3B).

If the customer requires either more points on the curve to be checked or certain minimum performances or certificates, individual measurements must be made, and a certificate can be ordered.

## Certificates

Certificates have to be confirmed for every order and are available on request as follows:

- certificate of compliance with the order (EN 10204 - 2.1)
- pump test sheet.

## Witness test

When the pumps are being tested or are tested with a certification, the customer is able to witness the testing procedure according to ISO 9906:2012.

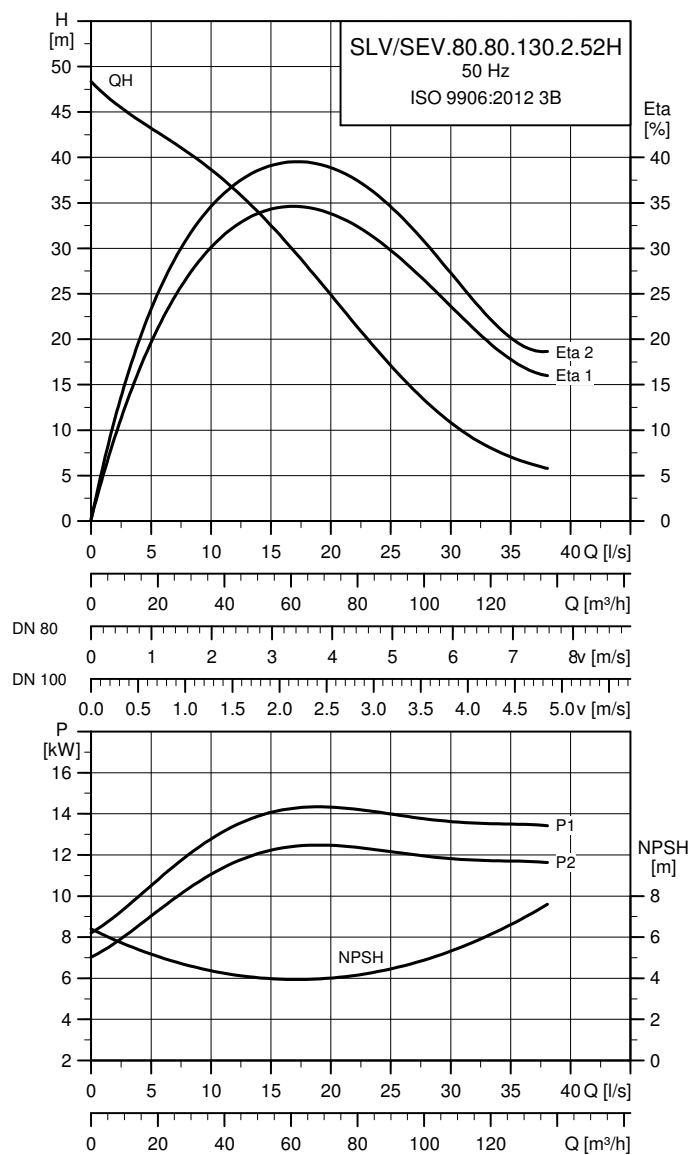
The witness test is not a certificate and will not result in a written statement from Grundfos. The witness test only guarantees that everything is carried out as prescribed in the testing procedure.

If the customer wants to carry out a witness test of the pump performance, such request must be indicated on the order.

# 10. Performance curves and technical data

## SuperVortex impeller

### SLV/SEV.80.80.130.2.52H



TM05 3639 4117

#### Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor} [\%]$			$\cos \phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]		
SLV/SEV.80.80.130.2.52H	$\frac{380-415}{660-690}$	15	13	2	2947	Y/D	$\frac{27-25}{16-15}$	$\frac{245}{137}$	79	82	86	0.72	0.81	0.86	0.0490	137				

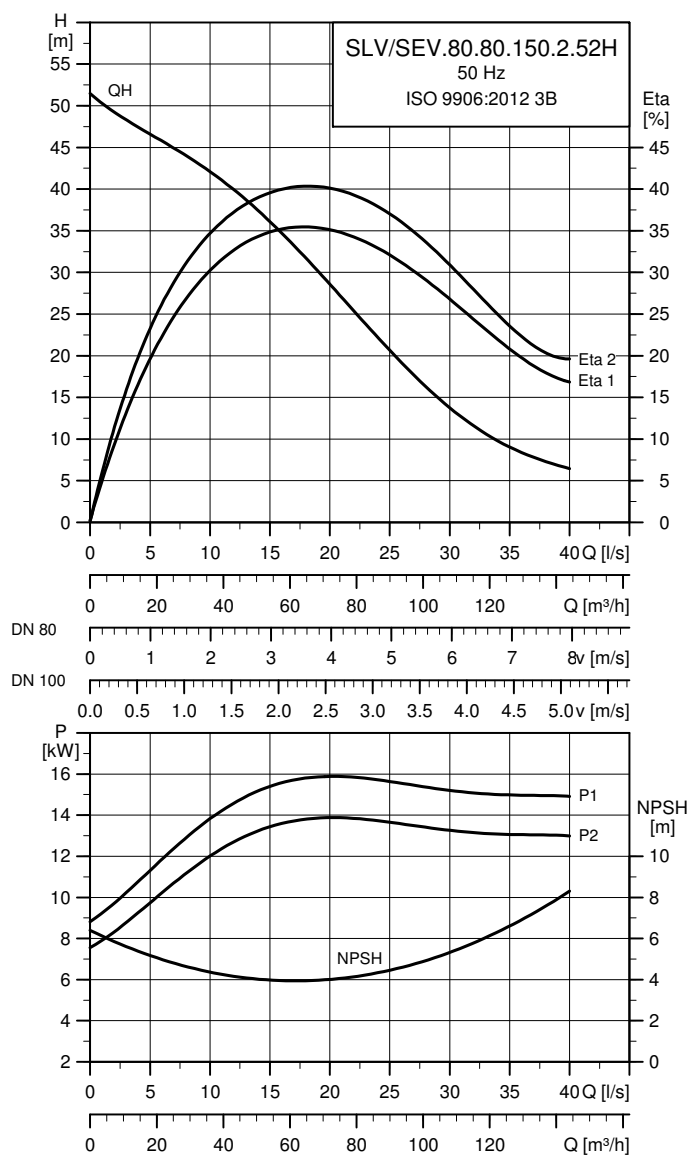
Note: Enclosure class: IP68

#### Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SLV/SEV.80.80.130.2.52H	221.5	80	10	20

Note: Pumps with stainless steel SuperVortex impellers have the same performance curves as the corresponding cast iron versions.

## SLV/SEV.80.80.150.2.52H



TM05 3638 4117

## Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$\eta_{\text{motor}}$ [%]			$\text{Cos } \phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{\text{max}}$ [Nm]
							$I_N$ [A]	$I_{\text{start}}$ [A]	$I_{\text{start}}/I_N$	1/2	3/4	1/1	1/2	3/4	1/1		
SLV/SEV.80.80.150.2.52H	380-415 660-690	17	15	2	2947	Y/D	30-28 18-17	245 138	80 84	88 88	0.75 0.84	0.88 0.88	0.0490	137			

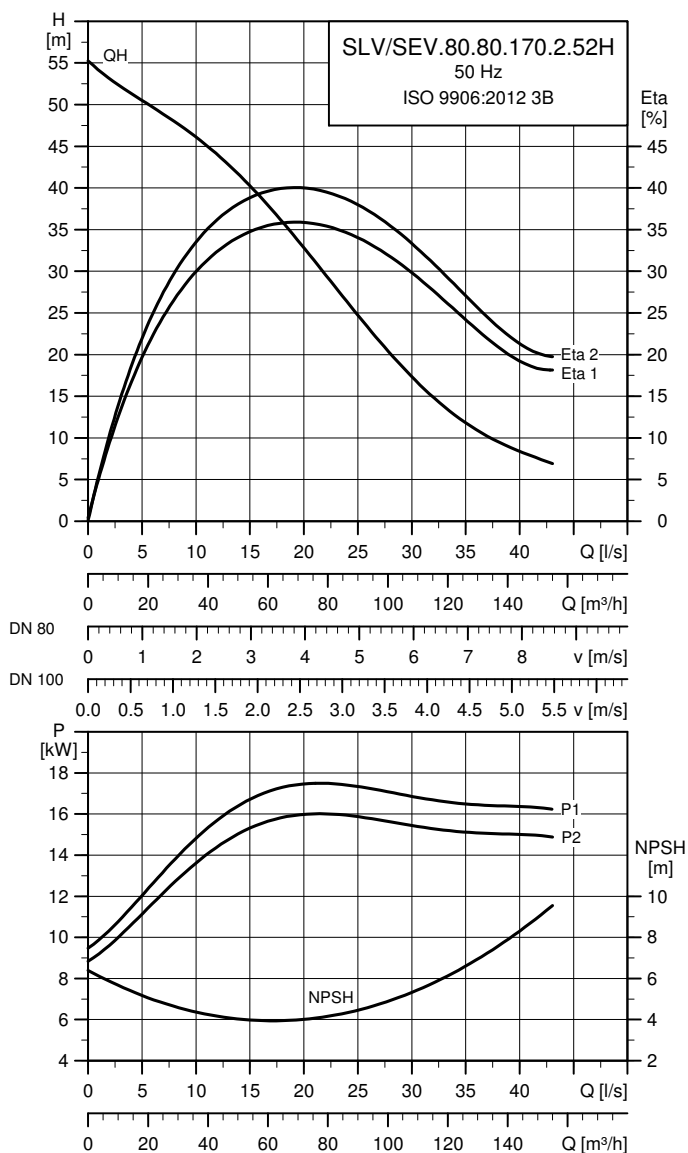
Note: Enclosure class: IP68

## Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SLV/SEV.80.80.150.2.52H	228	80	10	20

Note: Pumps with stainless steel SuperVortex impellers have the same performance curves as the corresponding cast iron versions.

SLV/SEV.80.80.170.2.52H



TM05 3620 4117

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]		
SLV/SEV.80.80.170.2.52H	380-415 660-690	19	17	2	2950	Y/D	34-32 20-19	318 175	84	88	88	0.73	0.82	0.86	0.0580	210				

Note: Enclosure class: IP68

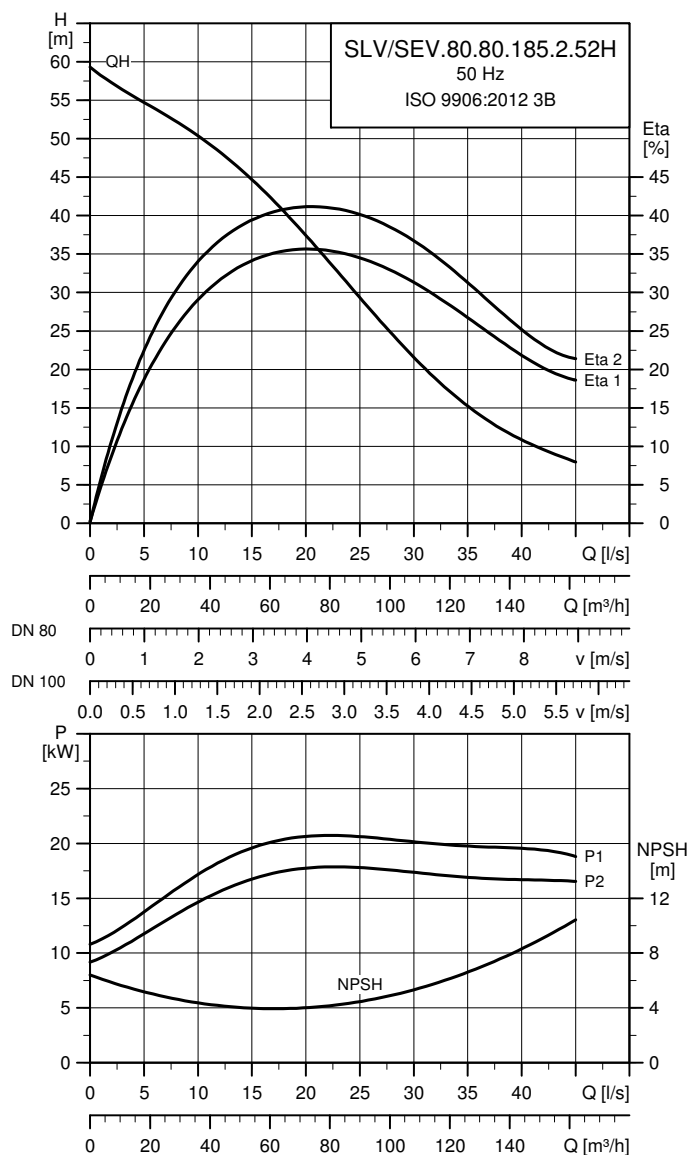
Pump data

Pump type	Impeller diameter [mm]	Max. solids size [mm]	Pump housing pressure PN	Max. installation depth [m]
SLV/SEV.80.80.170.2.52H	235	80	10	20

Note: Pumps with stainless steel SuperVortex impellers have the same performance curves as the corresponding cast iron versions.



## SLV/SEV.80.80.185.2.52H



TM05 3600 4117

## Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$		$\eta_{\text{motor}}$ [%]			$\text{Cos } \varphi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{\text{max}}$ [Nm]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1		
SLV/SEV.80.80.185.2.52H	380-415 660-690	21	18.5	2	2950	Y/D	38-35 22-21	318 175	85	88	88	0.75	0.84	0.86	0.0580	210

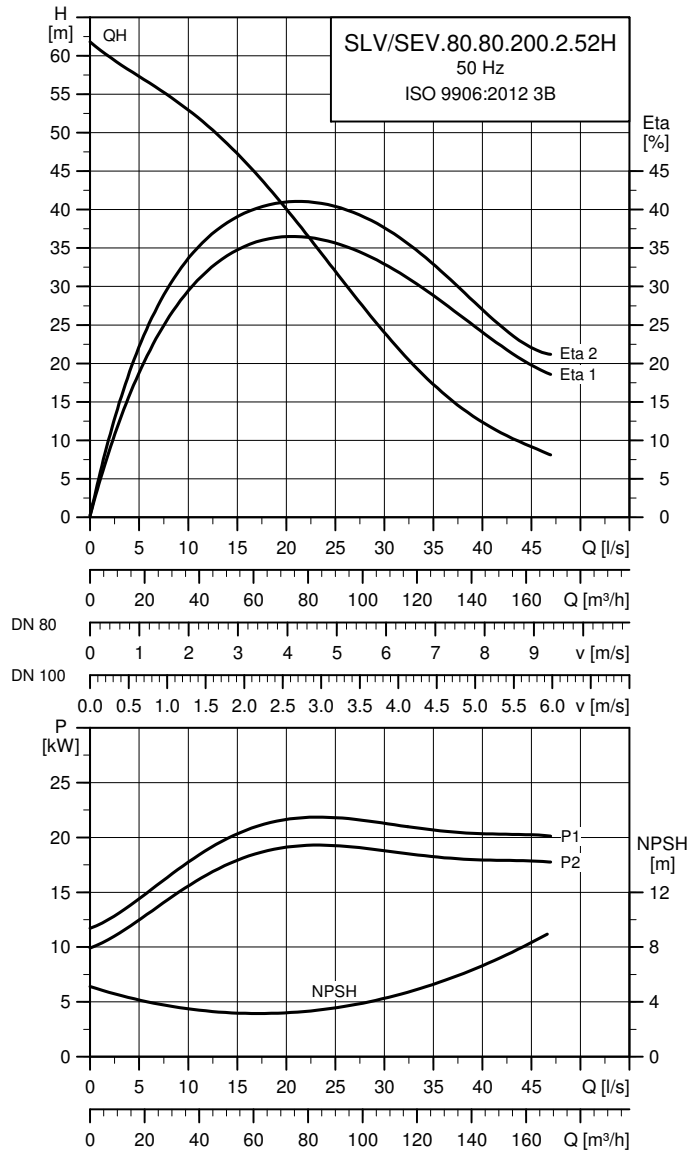
Note: Enclosure class: IP68

## Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SLV/SEV.80.80.185.2.52H	242	80	10	20

Note: Pumps with stainless steel SuperVortex impellers have the same performance curves as the corresponding cast iron versions.

SLV/SEV.80.80.200.2.52H



TM05 3619 4117

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$		$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1		
SLV/SEV.80.80.200.2.52H	380-415 660-690	23	20	2	2937	Y/D	39-36 23-22	388 213	85	88	88	0.79	0.86	0.89	0.0650	228

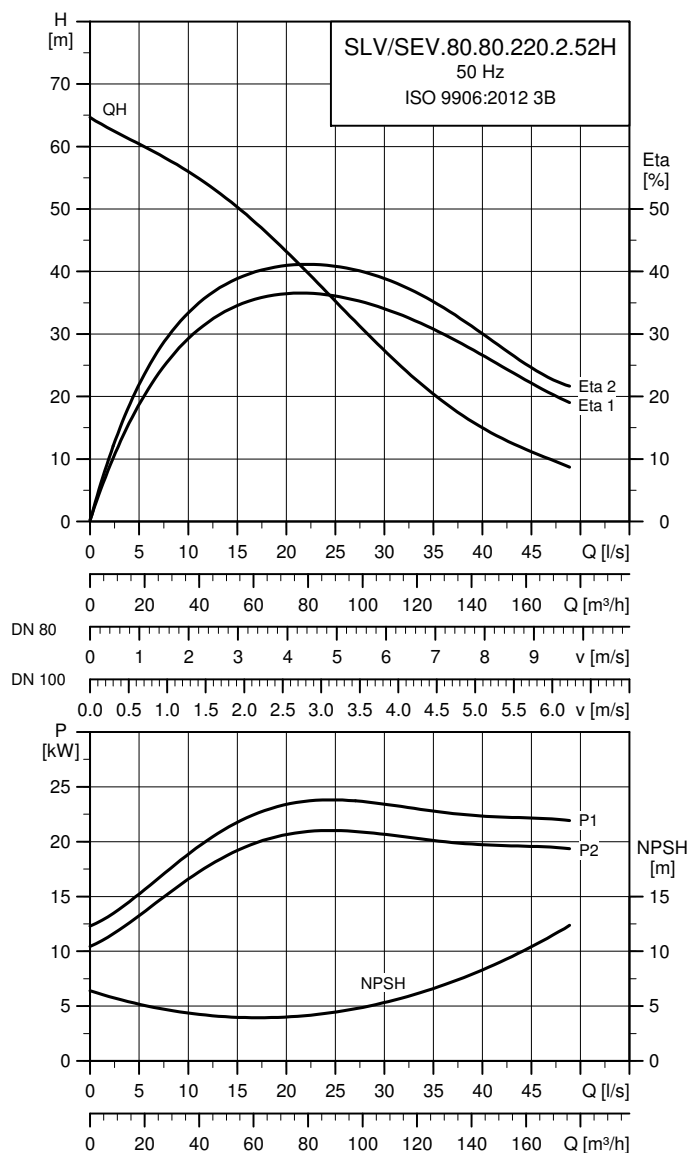
Note: Enclosure class: IP68

Pump data

Pump type	Impeller diameter [mm]	Max. solids size [mm]	Pump housing pressure PN	Max. installation depth [m]
SLV/SEV.80.80.200.2.52H	247	80	10	20

Note: Pumps with stainless steel SuperVortex impellers have the same performance curves as the corresponding cast iron versions.

## SLV/SEV.80.80.220.2.52H



TM05 3599 4 117

## Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			$\cos \varphi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]		
SLV/SEV.80.80.220.2.52H	380-415 660-690	25	22	2	2937	Y/D	43-40 25-24	388 213	86	88	88	0.81	0.87	0.89	0.0650	228				

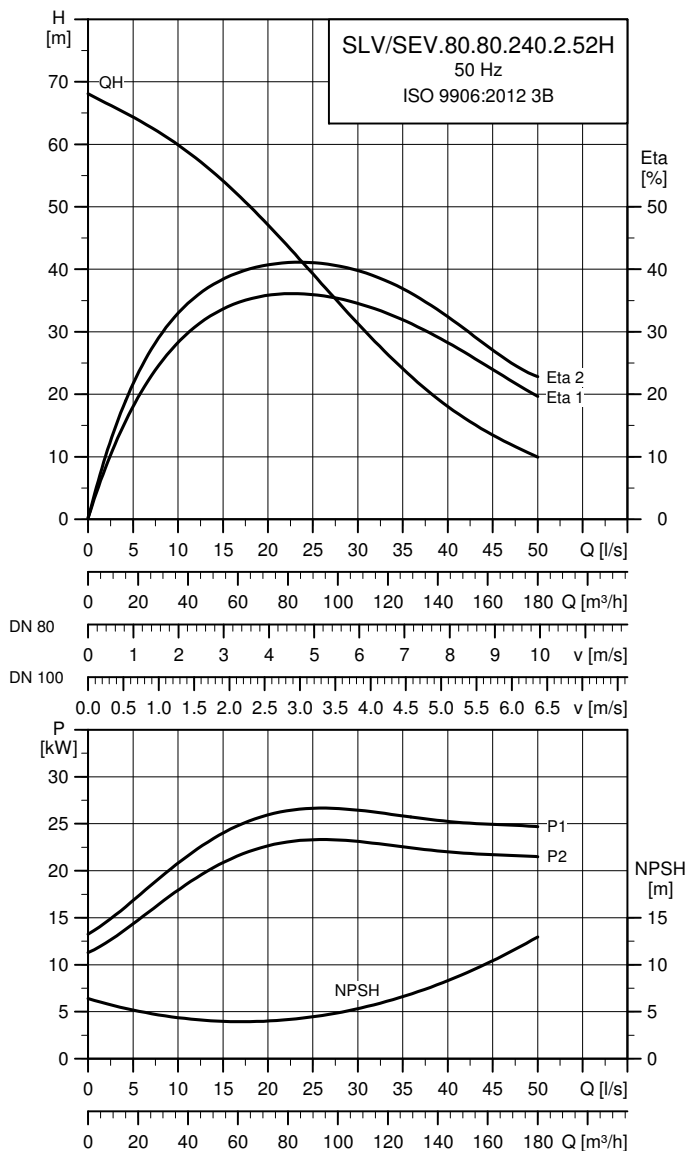
Note: Enclosure class: IP68

## Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SLV/SEV.80.80.220.2.52H	253	80	10	20

Note: Pumps with stainless steel SuperVortex impellers have the same performance curves as the corresponding cast iron versions.

SLV/SEV.80.80.240.2.52H



TM05 3618 4117

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$\eta_{motor}$ [%]			$\cos \phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	$I_{start}$ [A]		1/2	3/4	1/1	1/2	3/4	1/1		
SLV/SEV.80.80.240.2.52H	380-415 660-690	27	24	2	2955	Y/D	51-47 30-28	582 320	84 86	88	0.69	0.77	0.83	0.0650	228		

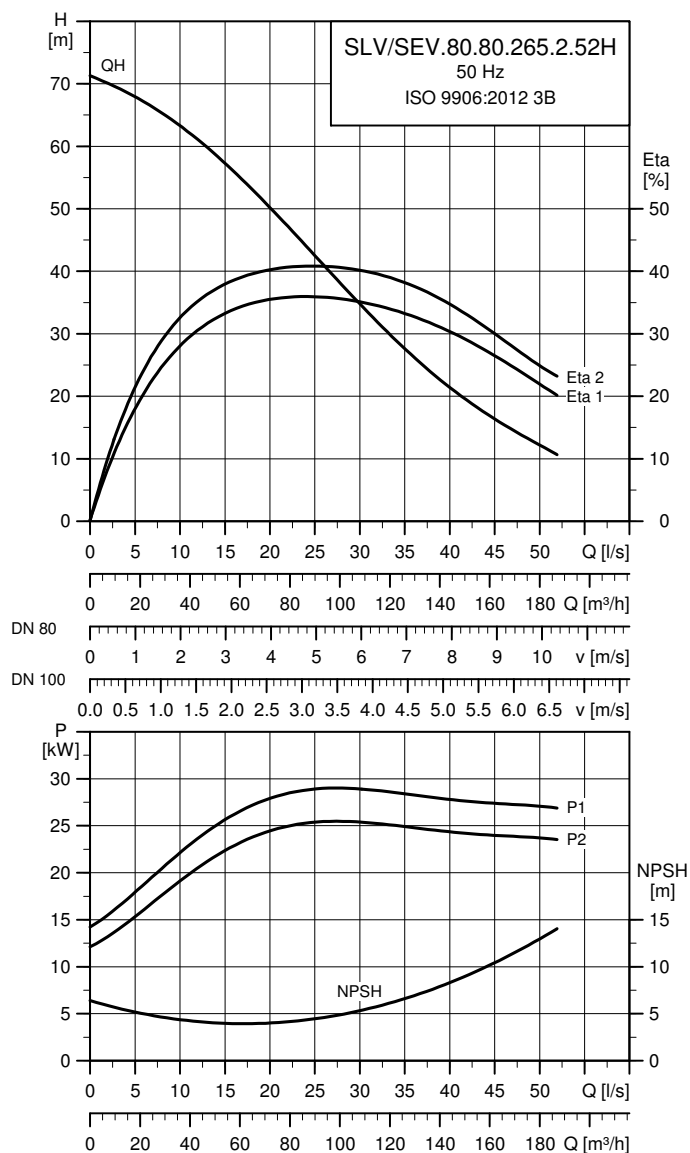
Note: Enclosure class: IP68

Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SLV/SEV.80.80.240.2.52H	262	80	10	20

Note: Pumps with stainless steel SuperVortex impellers have the same performance curves as the corresponding cast iron versions.

## SLV/SEV.80.80.265.2.52H



TM05 3598 4117

## Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$		$\eta_{\text{motor}} [\%]$			$\text{Cos } \phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{\text{max}}$ [Nm]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1		
SLV/SEV.80.80.265.2.52H	380-415 660-690	30	26.5	2	2955	Y/D	56-51 32-31	582 320	85	87	88	0.71	0.79	0.85	0.0650	228

Note: Enclosure class: IP68

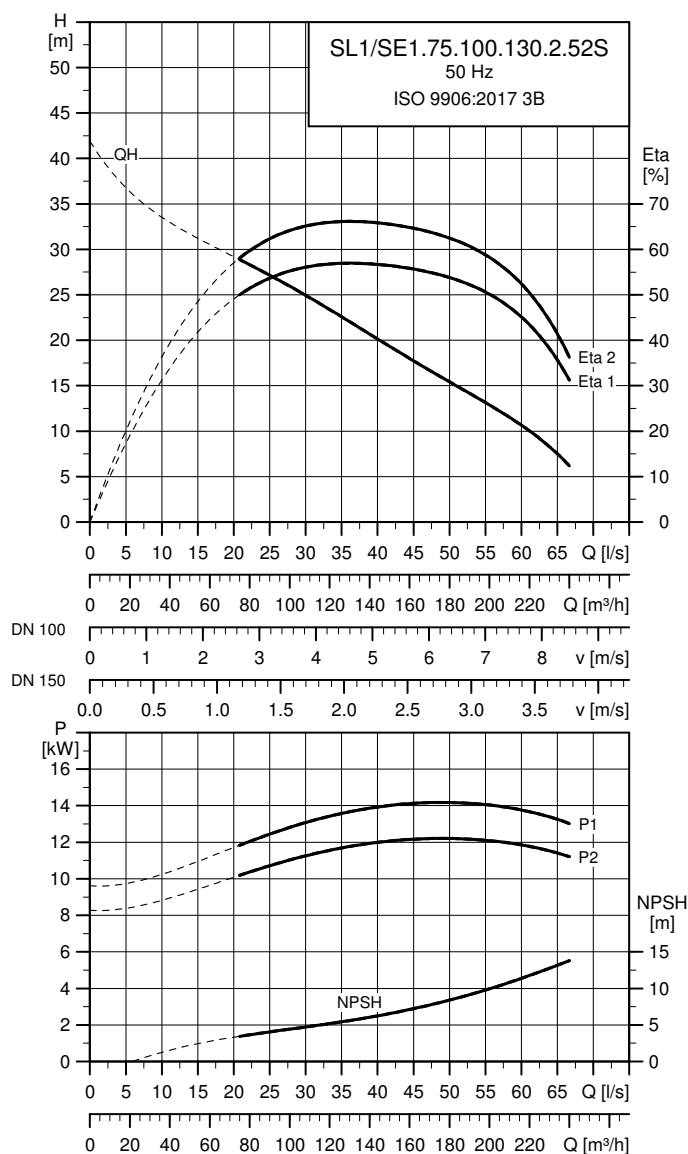
## Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SLV/SEV.80.80.265.2.52H	271	80	10	20

Note: Pumps with stainless steel SuperVortex impellers have the same performance curves as the corresponding cast iron versions.

# Closed S-tube<sup>®</sup> impeller

## SL1/SE1.75.100.130.2.52S



TM05 3624 1119

### Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$	$I_{start}$	$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.75.100.130.2.52S	380-415 660-690	15	13	2	2973	Y/D	27-25 16-15	245 138	79	82	86	0.72	0.81	0.86	0.0490	137

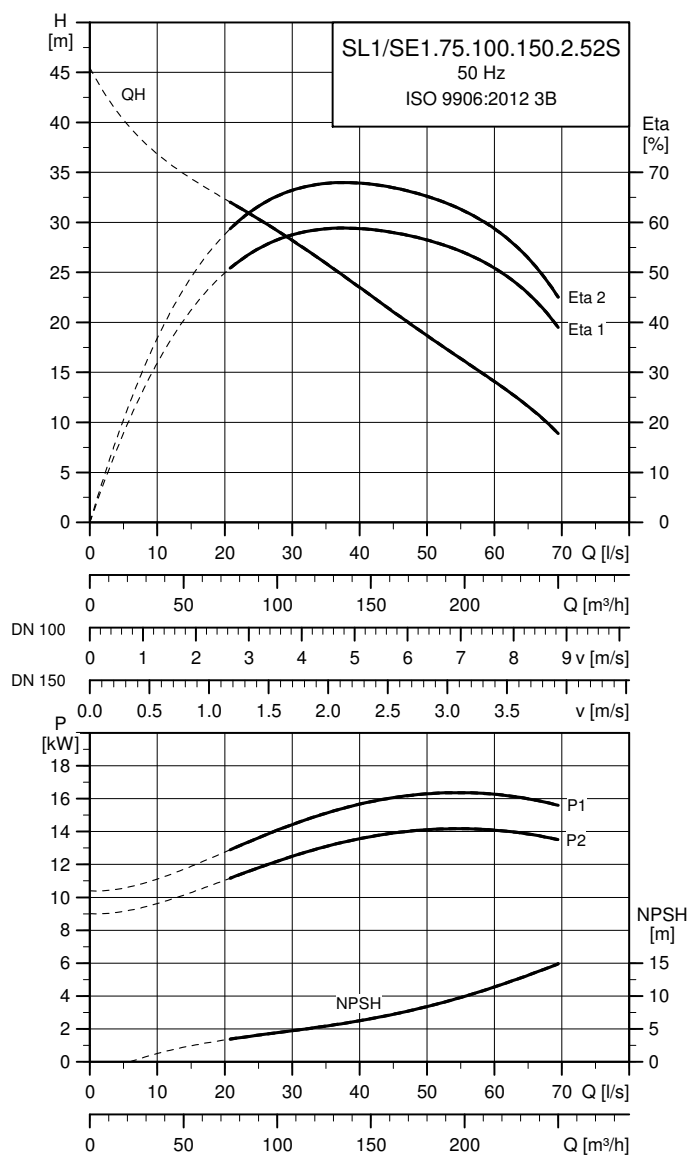
Note: Enclosure class: IP68

### Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.75.100.130.2.52S	178	75	10	20

Note: Pumps with stainless steel closed S-tube<sup>®</sup> impellers have the same performance curves as the corresponding cast iron version.

## SL1/SE1.75.100.150.2.52S



TM05 3604 1119

## Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$	$I_{start}$	$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.75.100.150.2.52S	380-415 660-690	17	15	2	2966	Y/D	30-28 18-17	245 138	80	84	88	0.75	0.84	0.88	0.0490	137

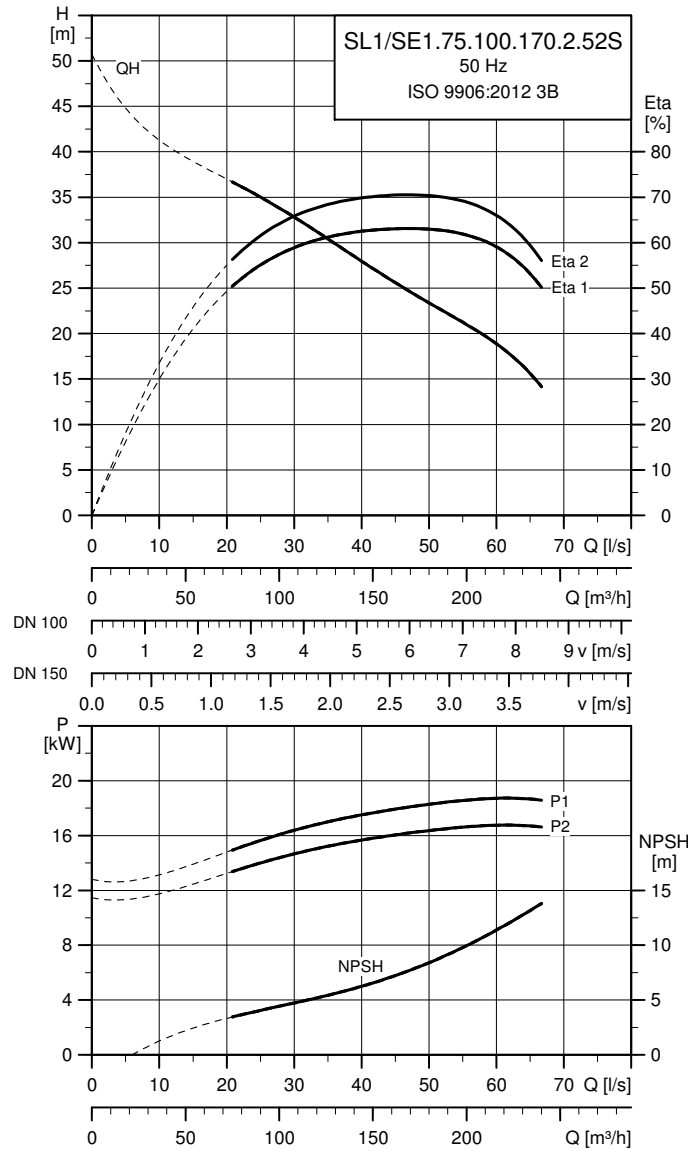
Note: Enclosure class: IP68

## Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.75.100.150.2.52S	182	75	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

**SL1/SE1.75.100.170.2.52S**



TM05 3623 1119

**Electrical data**

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.75.100.170.2.52S	380-415 660-690	19	17	2	2969	Y/D	34-32 20-19	318 175	84	88	88	0.73	0.82	0.86	0.0580	210	

Note: Enclosure class: IP68

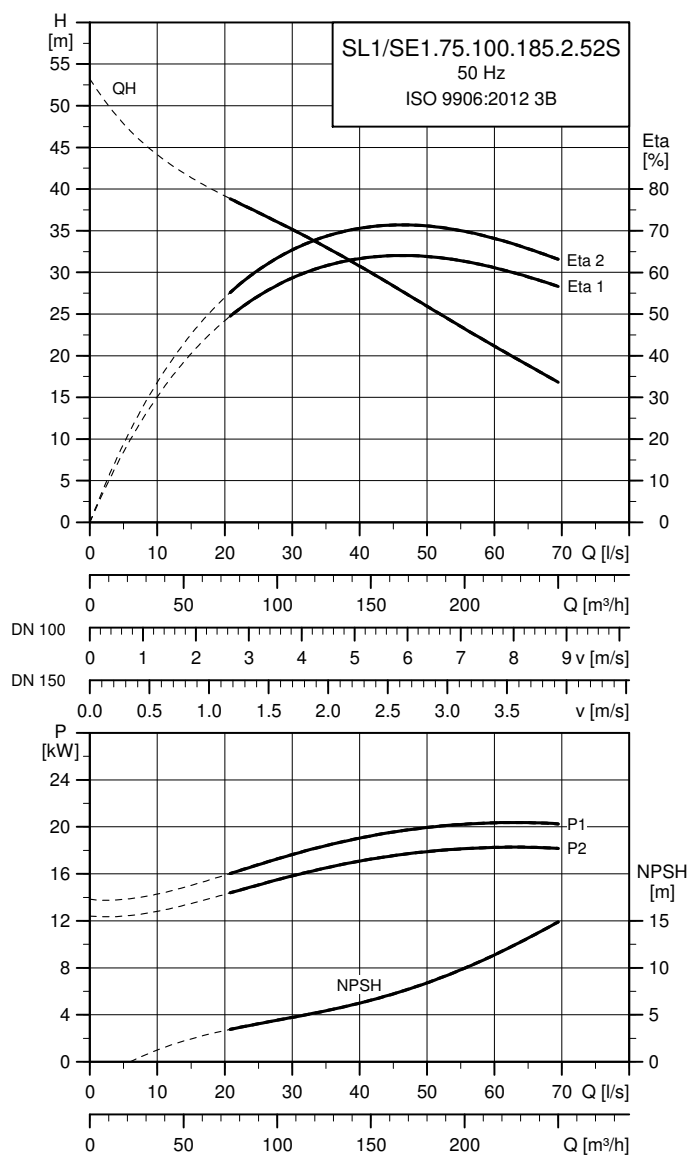
**Pump data**

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.75.100.170.2.52S	186.5	75	10	20

Note: Pumps with stainless steel closed S-tube<sup>®</sup> impellers have the same performance curves as the corresponding cast iron version.



## SL1/SE1.75.100.185.2.52S



TM05 3603 1119

## Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$		$\eta_{\text{motor}}$ [%]			$\text{Cos } \phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{\text{max}}$ [Nm]
							[A]	$I_{\text{start}}$ [A]	1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.75.100.185.2.52S	380-415 660-690	21	18.5	2	2964	Y/D	38-35 22-21	318 175	85	88	88	0.75	0.84	0.86	0.0580	210

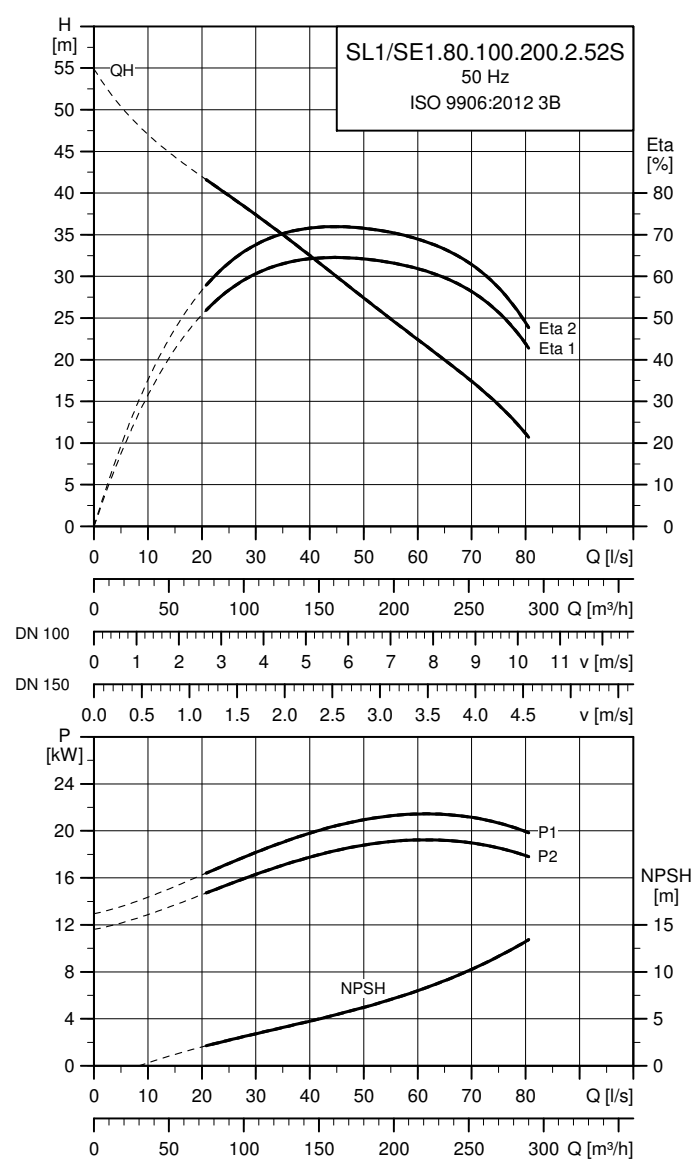
Note: Enclosure class: IP68

## Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.75.100.185.2.52S	192	80	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

**SL1/SE1.80.100.200.2.52S**



TM05 3622 1119

**Electrical data**

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$	$I_{start}$	$\eta_{motor}$ [%]			$\cos \phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.80.100.200.2.52S	380-415 660-690	23	20	2	2968	Y/D	39-36 23-22	388 213	85	88	88	0.79	0.86	0.89	0.0680	228

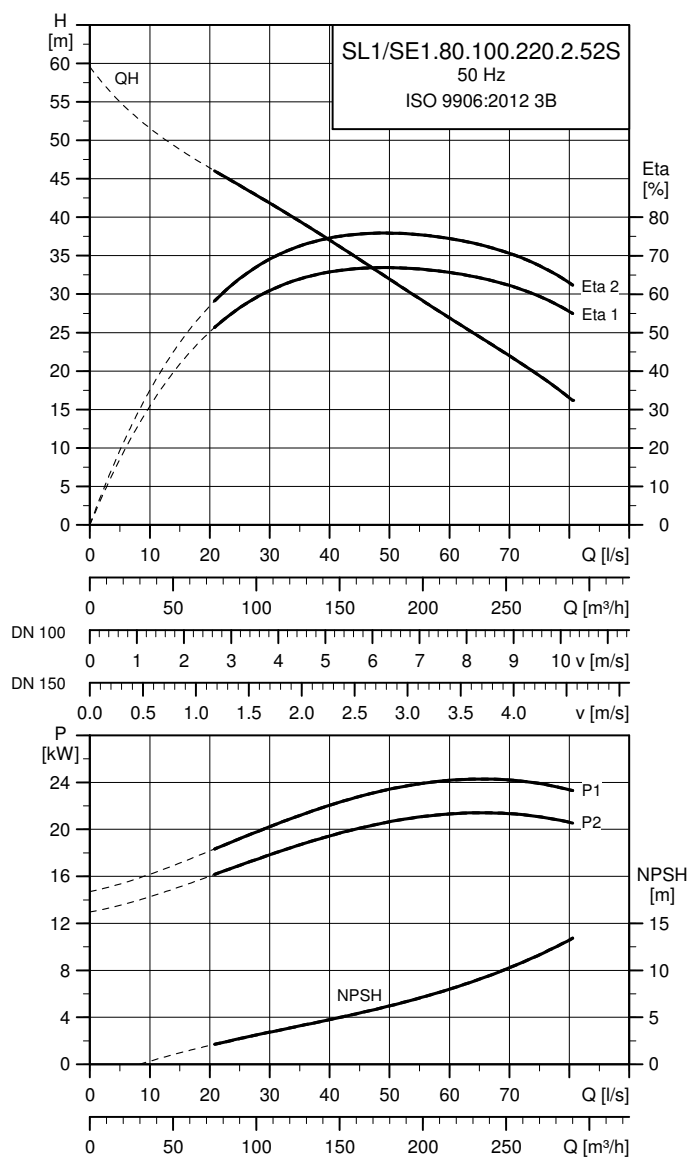
Note: Enclosure class: IP68

**Pump data**

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.80.100.200.2.52S	197.5	80	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

## SL1/SE1.80.100.220.2.52S



TM05 3602 1119

## Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$	$I_{start}$	$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.80.100.220.2.52S	380-415 660-690	25	22	2	2963	Y/D	43-40 25-24	388 213	86	88	88	0.81	0.87	0.89	0.0650	228

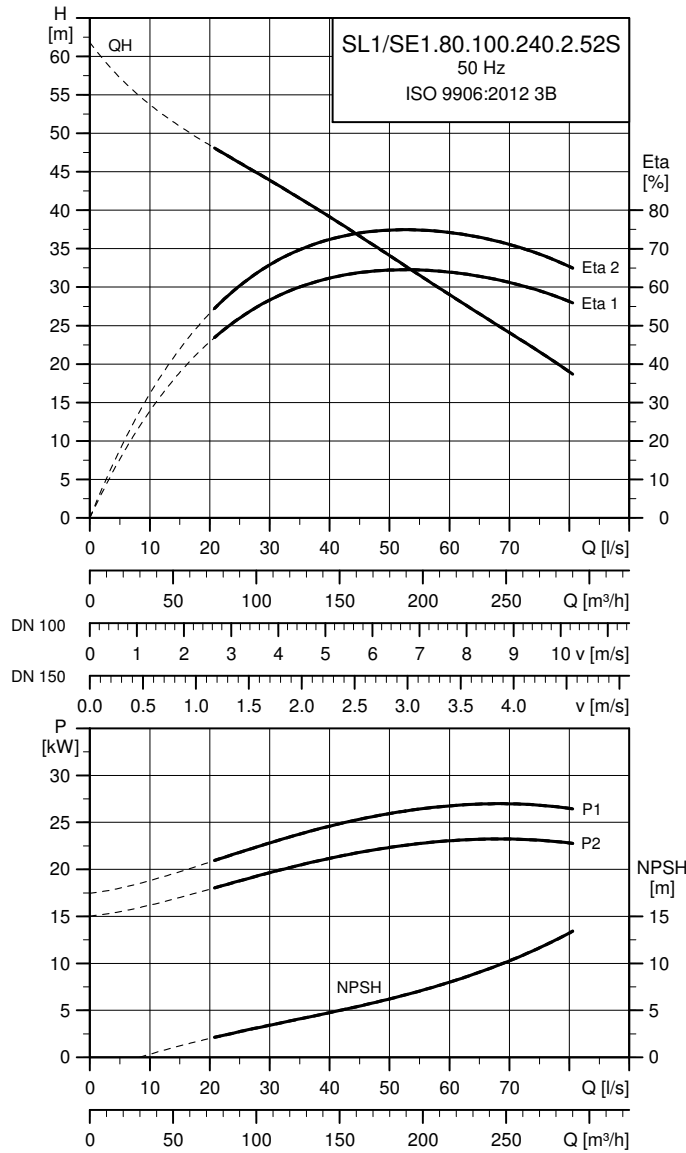
Note: Enclosure class: IP68

## Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.80.100.220.2.52S	253	80	10	20

Note: Pumps with stainless steel closed S-tube<sup>®</sup> impellers have the same performance curves as the corresponding cast iron version.

**SL1/SE1.80.100.240.2.52S**



TM05 3621 1119

**Electrical data**

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	[A]	[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4		
SL1/SE1.80.100.240.2.52S	380-415 660-690	27	24	2	2971	Y/D	51-47 30-28	582 320	84	86	88	0.69	0.77	0.83	0.0650	228				

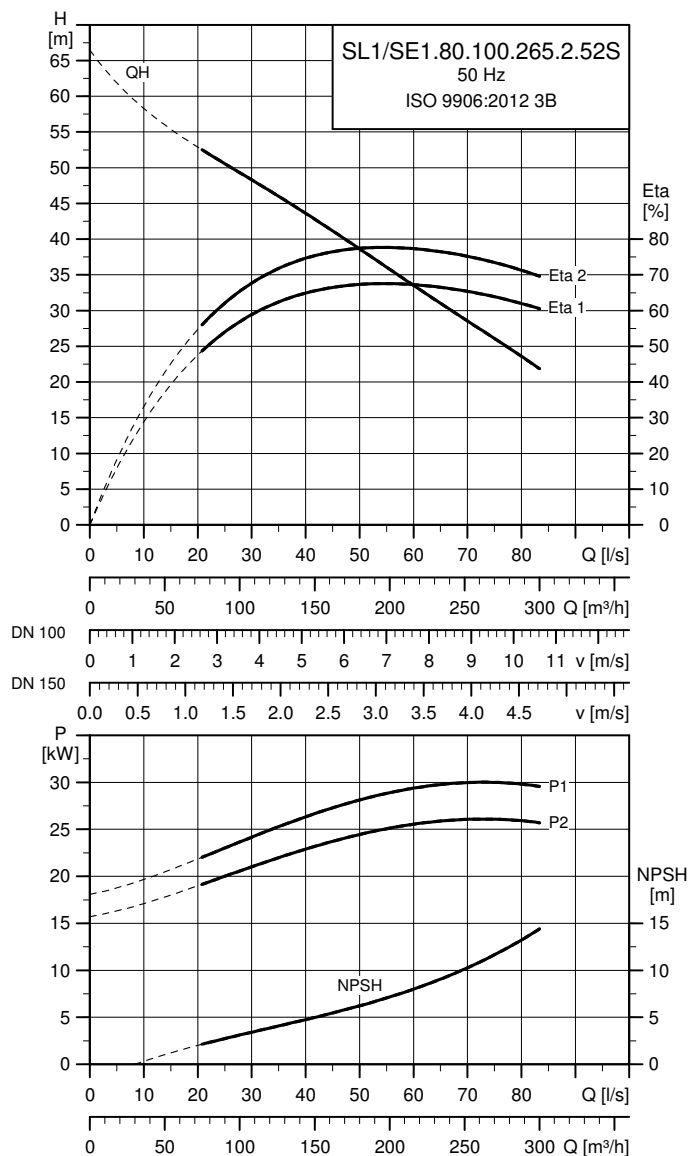
Note: Enclosure class: IP68

**Pump data**

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.80.100.240.2.52S	209	80	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

SL1/SE1.80.100.265.2.52S



TM05 3601 1119

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	$I_{start}$ [A]		1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.80.100.265.2.52S	380-415 660-690	30	26.5	2	2967	Y/D	56-51 32-21	582 320	85	87	88	0.71	0.79	0.85	0.0650	228	

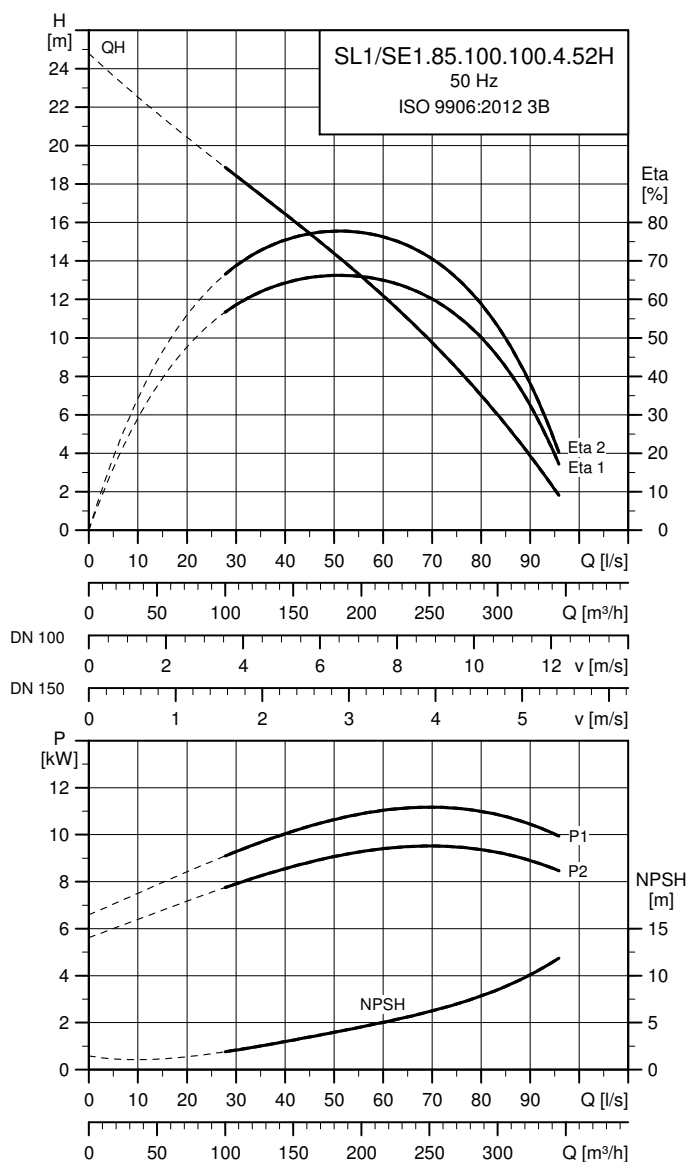
Note: Enclosure class: IP68

Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.80.100.265.2.52S	215	80	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

SL1/SE1.85.100.100.4.52H



TM06 6802 1119

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$	$I_{start}$	$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.85.100.100.4.52H	380-415 660-690	12	10	4	1482	Y/D	23-21 13-13	210 116	84	85	86	0.69	0.7	0.80	0.0580	222

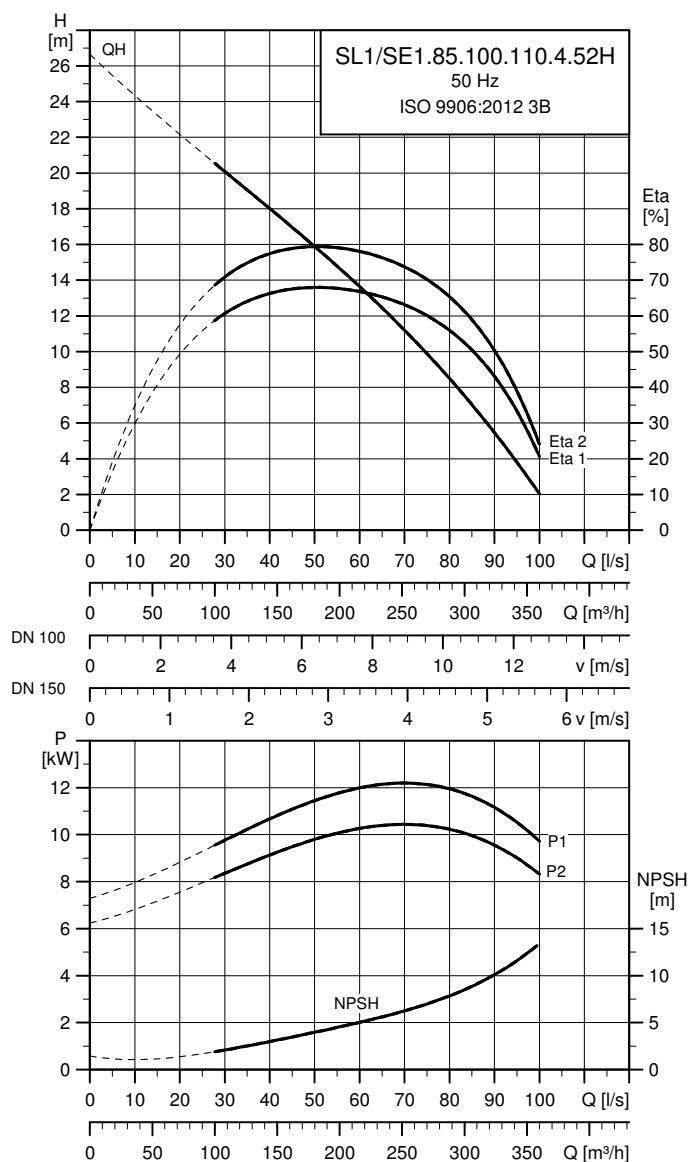
Note: Enclosure class: IP68

Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.85.100.100.4.52H	266	85	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

## SL1/SE1.85.100.110.4.52H



TM06 6803 1119

## Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$	$I_{start}$	$\eta_{motor}$ [%]			$\cos \phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.85.100.110.4.52H	380-415 660-690	13	11	4	1481	Y/D	24-22 14-13	210 116	84	86	86	0.70	0.76	0.82	0.0580	222

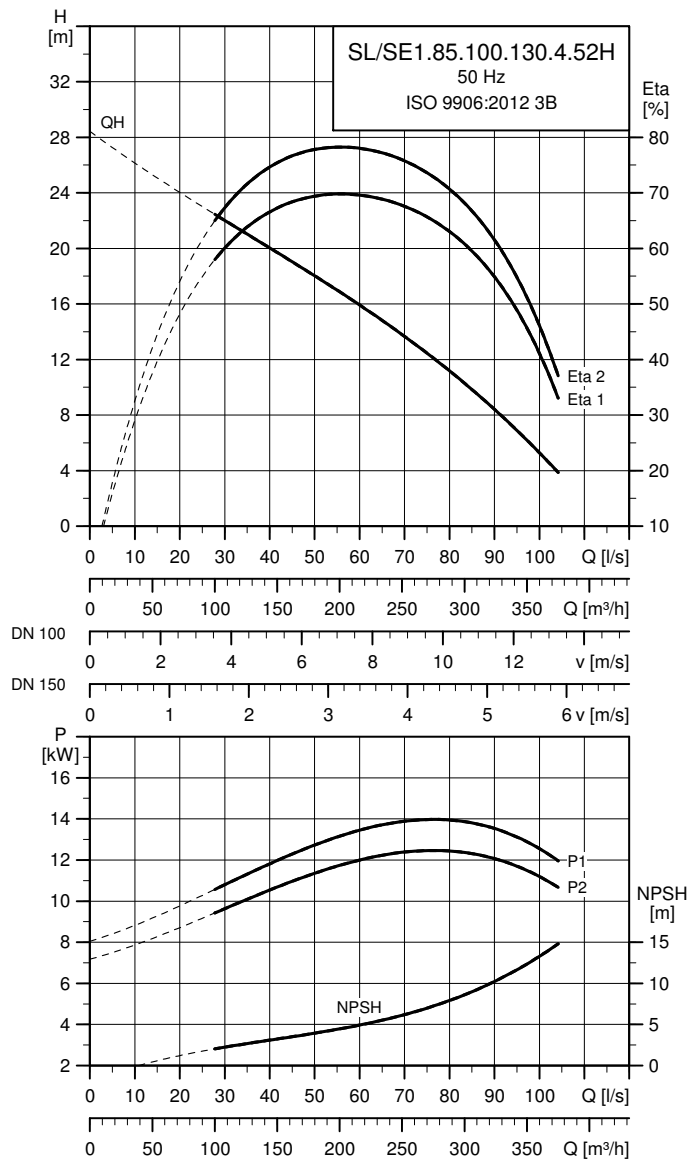
Note: Enclosure class: IP68

## Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.85.100.110.4.52H	276	85	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

SL1/SE1.85.100.130.4.52H



TM06 6804 1119

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$	$I_{start}$	$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.85.100.130.4.52H	380-415 660-690	15	13	4	1483	Y/D	28-25 16-15	283 156	87	88	88	0.66	0.77	0.83	0.0750	304

Note: Enclosure class: IP68

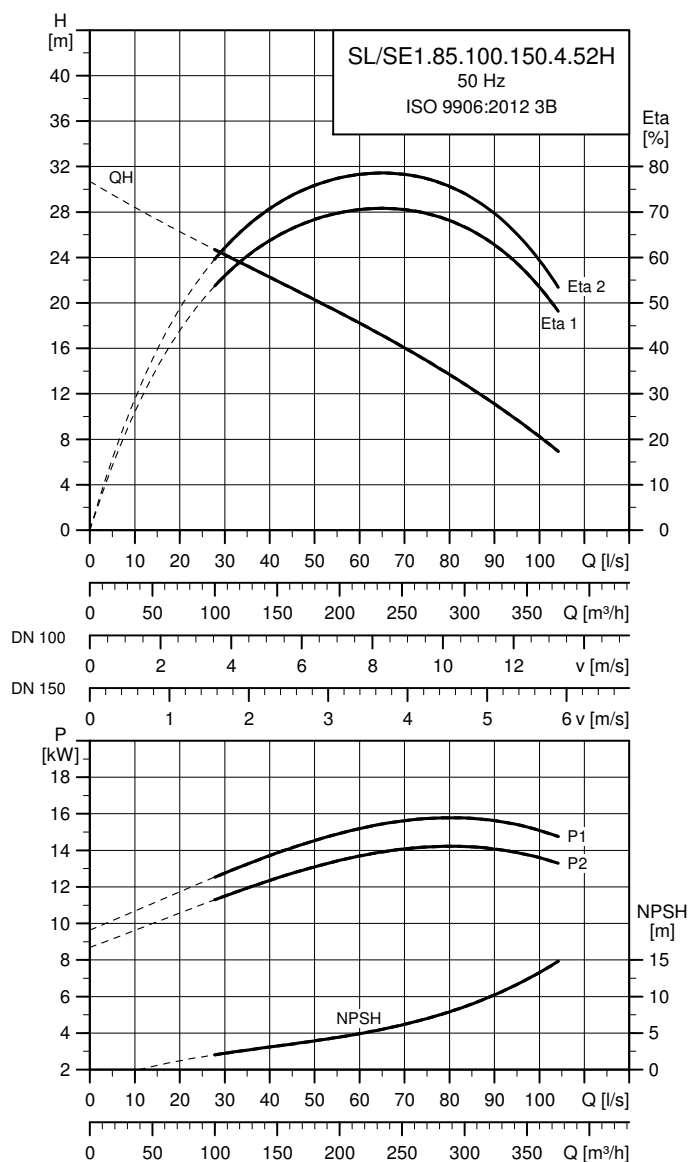
Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.85.100.130.4.52H	281	85	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.



## SL1/SE1.85.100.150.4.52H



TM06 6805 1119

## Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$	$I_{start}$	$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.85.100.150.4.52H	380-415 660-690	17	15	4	1480	Y/D	31-29 18-17	283 156	87	88	88	0.70	0.80	0.84	0.0750	304

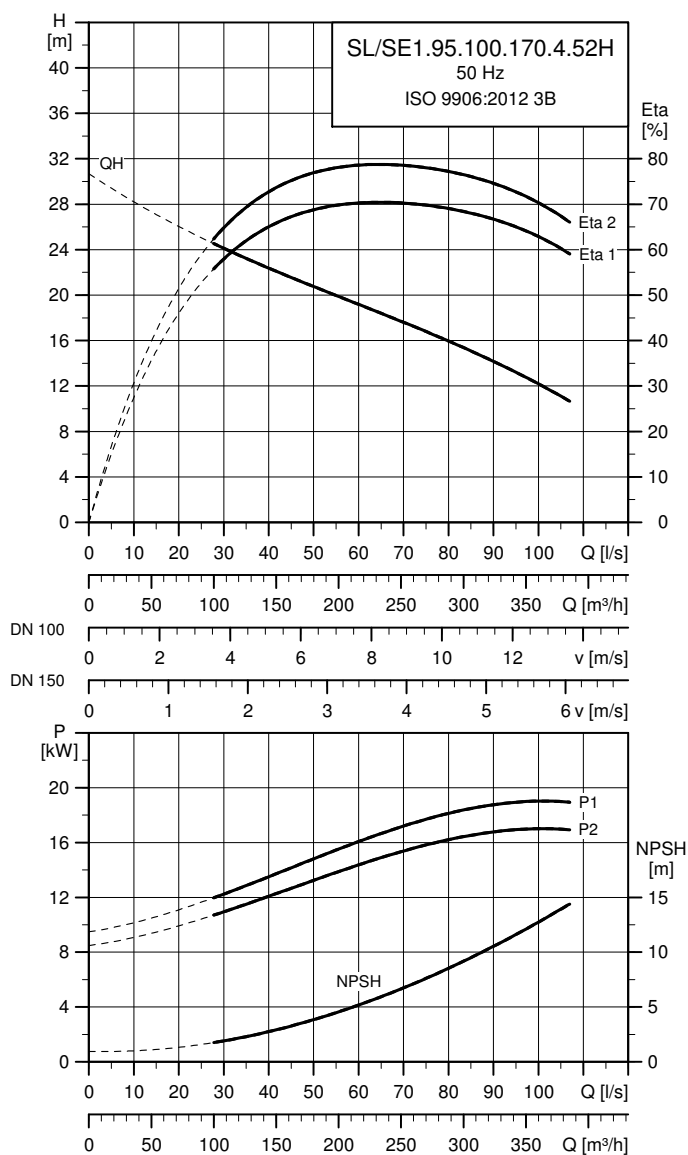
Note: Enclosure class: IP68

## Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.85.100.150.4.52H	292	85	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

SL1/SE1.95.100.170.4.52H



TM06 6806 1119

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	$I_{start}$ [A]		1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.95.100.170.4.52H	380-415 660-690	19	17	4	1480	Y/D	39-36 23-22	381 209	84	87	88	0.68	0.72	0.77	0.0750	304	

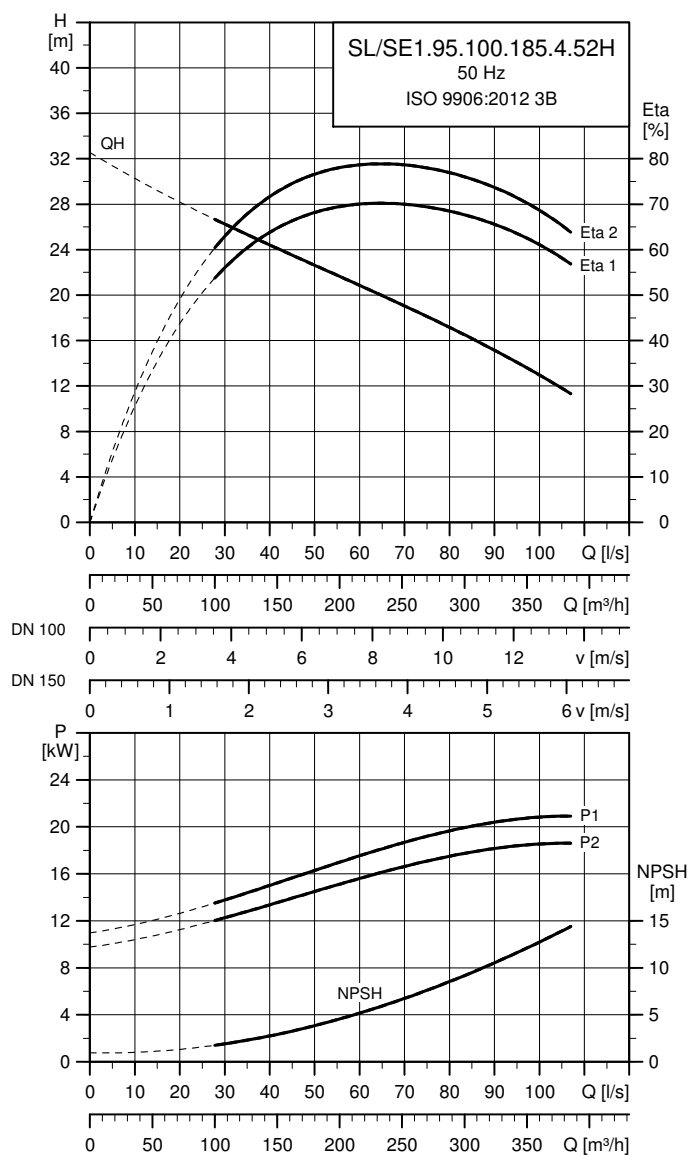
Note: Enclosure class: IP68

Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.95.100.170.4.52H	293	95	10	20

Note: Pumps with stainless steel closed S-tube<sup>®</sup> impellers have the same performance curves as the corresponding cast iron version.

## SL1/SE1.95.100.185.4.52H



TM06 6807 1119

## Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$\eta_{\text{motor}}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{\text{max}}$ [Nm]
							[A]	$I_{\text{start}}$ [A]		1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.95.100.185.4.52H	380-415 660-690	21	18.5	4	1479	Y/D	41-37 24-23	381 209	85	87	88	0.69	0.73	0.79	0.0750	304	

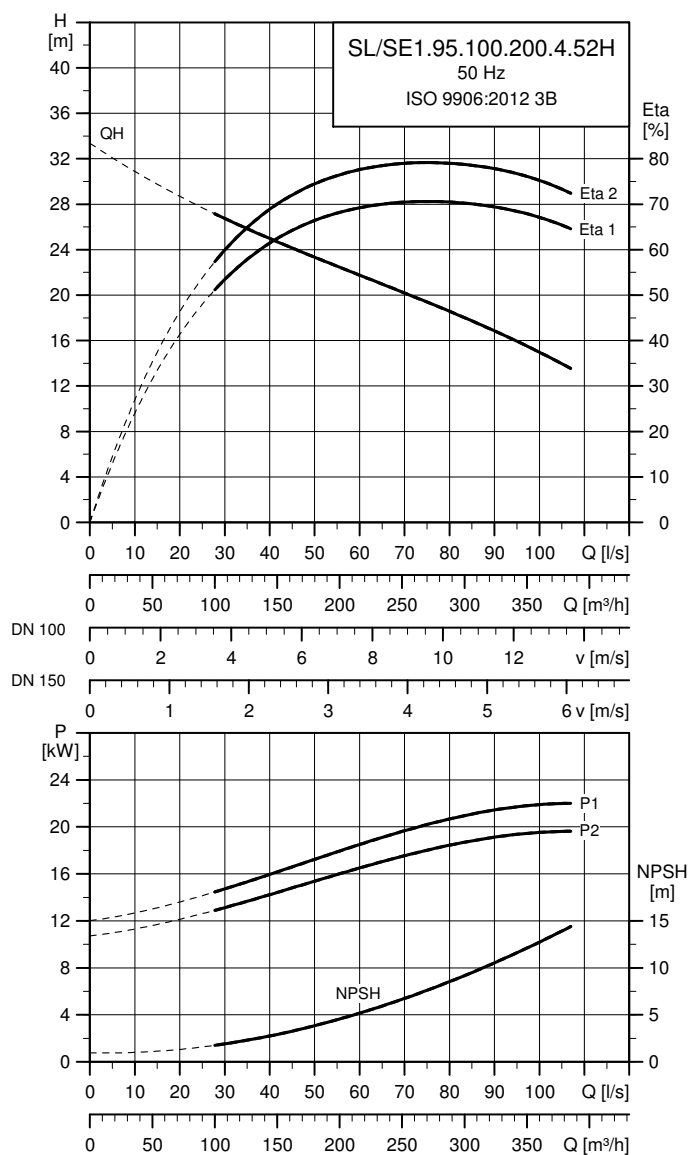
Note: Enclosure class: IP68

## Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.95.100.185.4.52H	299	95	10	20

Note: Pumps with stainless steel closed S-tube<sup>®</sup> impellers have the same performance curves as the corresponding cast iron version.

SL1/SE1.95.100.200.4.52H



TM06 6808 1119

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	$I_{start}$ [A]		1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.95.100.200.4.52H	380-415 660-690	23	20	4	1478	Y/D	43-39 25-24	381 209	85	88	88	0.69	0.74	0.81	0.0750	304	

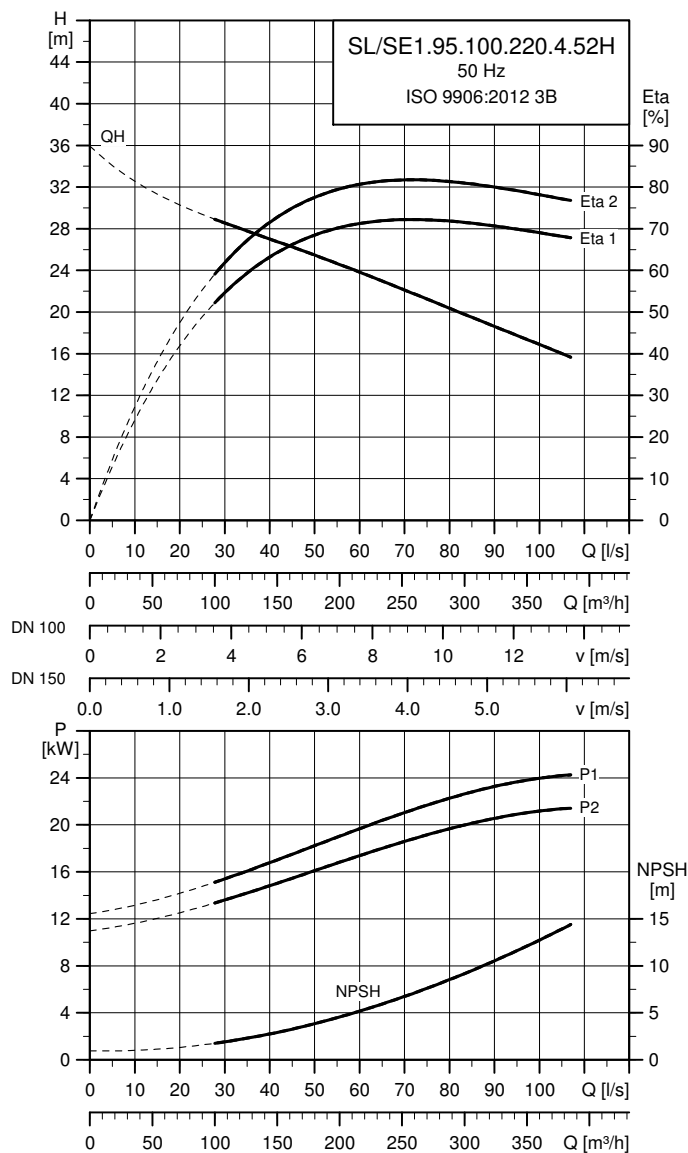
Note: Enclosure class: IP68

Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.95.100.200.4.52H	300	95	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

SL1/SE1.95.100.220.4.52H



TM06 6809 1119

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	$I_{start}$ [A]		1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.95.100.220.4.52H	380-415 660-690	25	22	4	1476	Y/D	45-41 26-25	381 209	86	88	88	0.70	0.76	0.85	0.0750	304	

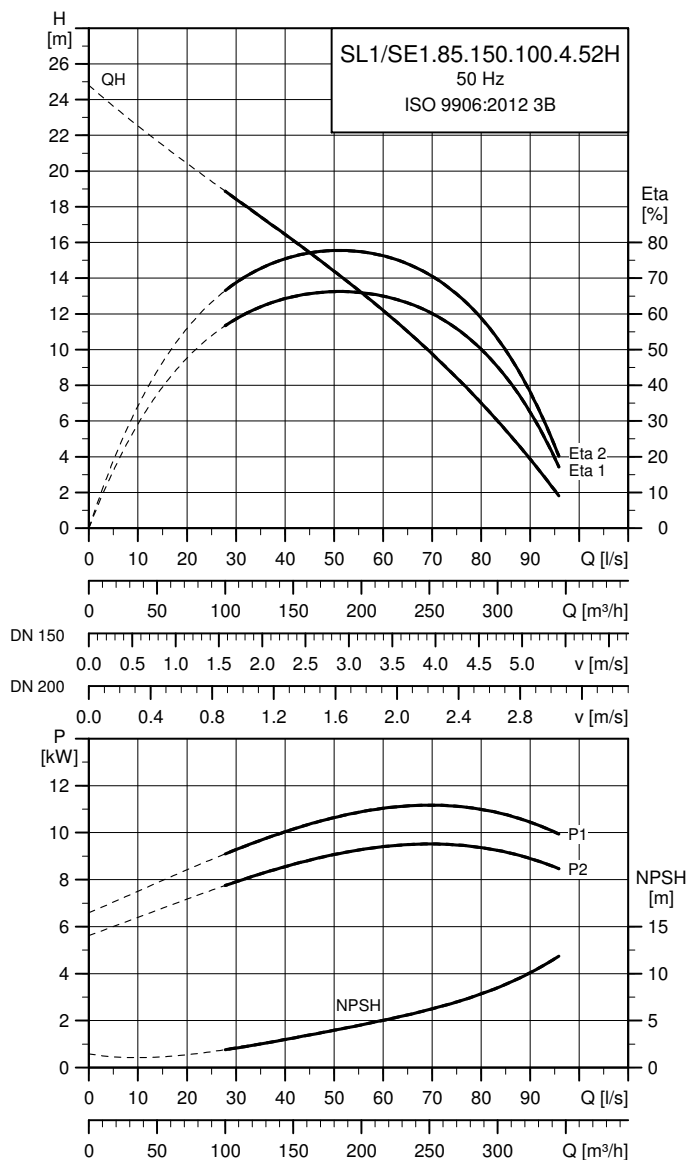
Note: Enclosure class: IP68

Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.95.100.220.4.52H	309	95	10	20

Note: Pumps with stainless steel closed S-tube<sup>®</sup> impellers have the same performance curves as the corresponding cast iron version.

SL1/SE1.85.150.100.4.52H



TM05 3628 1119

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	[A]	[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4		
SL1/SE1.85.150.100.4.52H	380-415 660-690	10	9	4	1482	Y/D	23-21 13-13	210 116	84	85	86	0.69	0.74	0.80	0.0580	222				

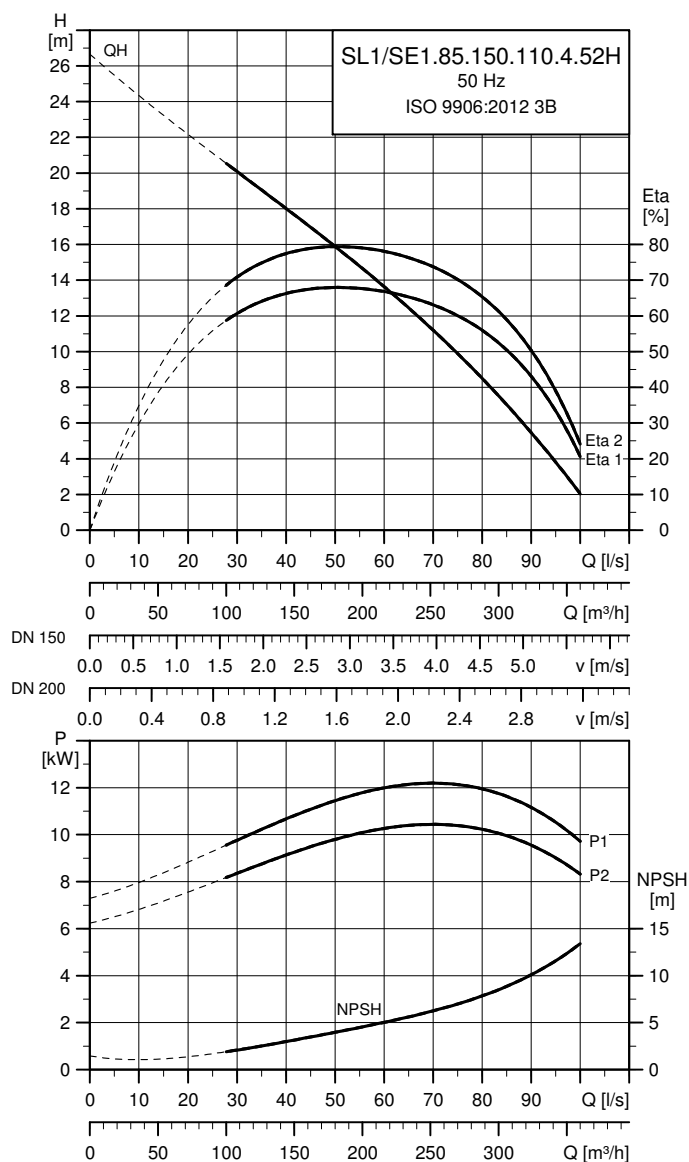
Note: Enclosure class: IP68

Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.85.150.100.4.52H	266	85	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

## SL1/SE1.85.150.110.4.52H



TM05 3608 1119

## Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]		
SL1/SE1.85.150.110.4.52H	380-415 660-690	13	11	4	1481	Y/D	24-22	210	14-13	116	84	86	86	0.70	0.76	0.82	0.0580	222		

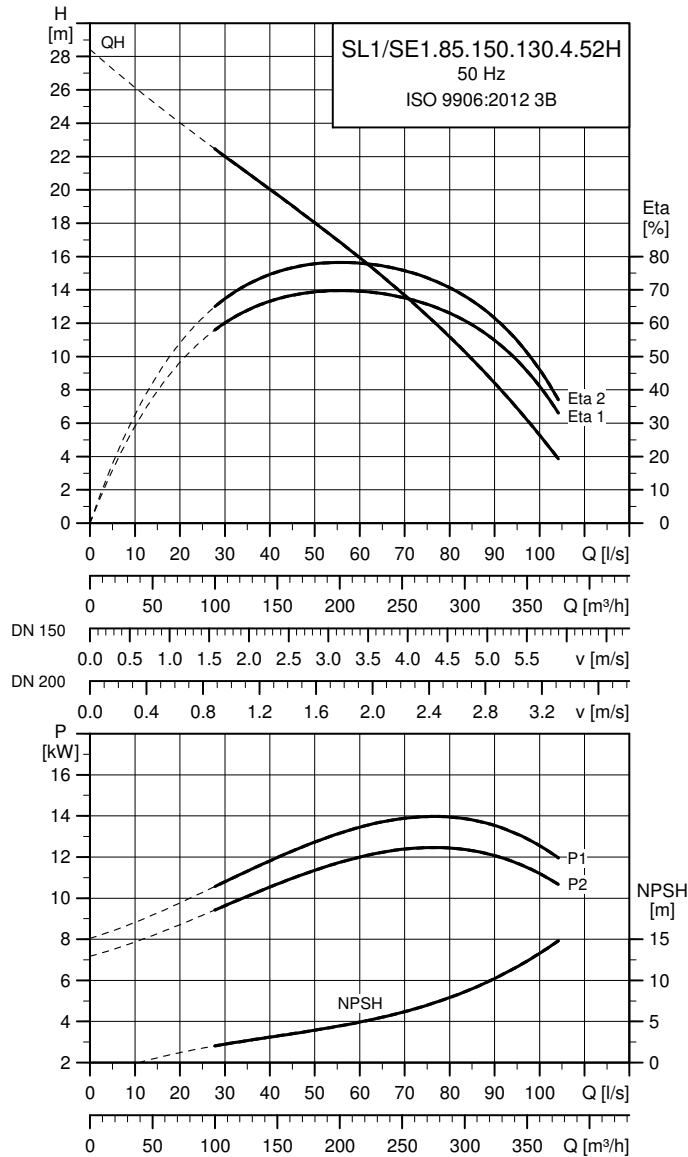
Note: Enclosure class: IP68

## Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.85.150.110.4.52H	276	85	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

SL1/SE1.85.150.130.4.52H



TM05 3627 1119

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1					
SL1/SE1.85.150.130.4.52H	380-415 660-690	15	13	4	1483	Y/D	28-25	534	16-15	308	87	89	90	0.66	0.77	0.83	0.0750	304		

Note: Enclosure class: IP68

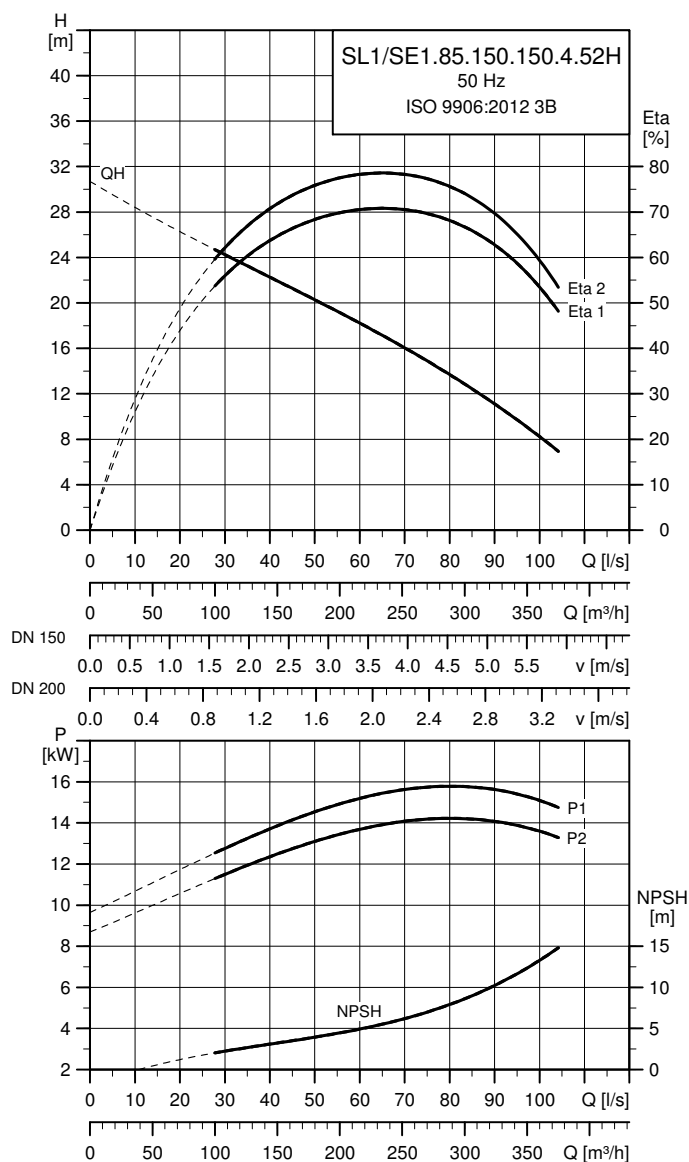
Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.85.150.130.4.52H	281	85	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.



## SL1/SE1.85.150.150.4.52H



TM05 3607 1119

## Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$	$I_{start}$	$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.85.150.150.4.52H	380-415 660-690	17	15	4	1480	Y/D	31-29 18-17	283 156	87	88	88	0.70	0.80	0.84	0.0750	304

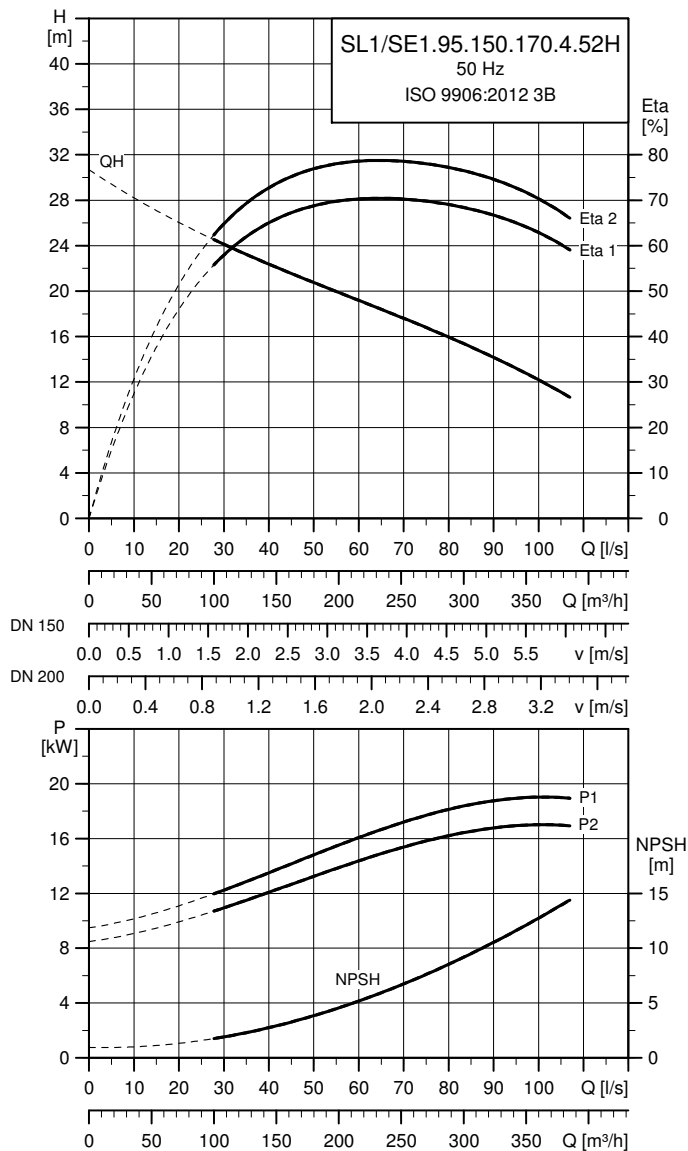
Note: Enclosure class: IP68

## Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.85.150.150.4.52H	292	85	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

SL1/SE1.95.150.170.4.52H



TM05 3626 1119

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$	$I_{start}$	$\eta_{motor}$ [%]			$\cos \phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.95.150.170.4.52H	380-415 660-690	19	17	4	1480	Y/D	39-36 23-22	381 209	84	87	88	0.68	0.72	0.77	0.0750	304

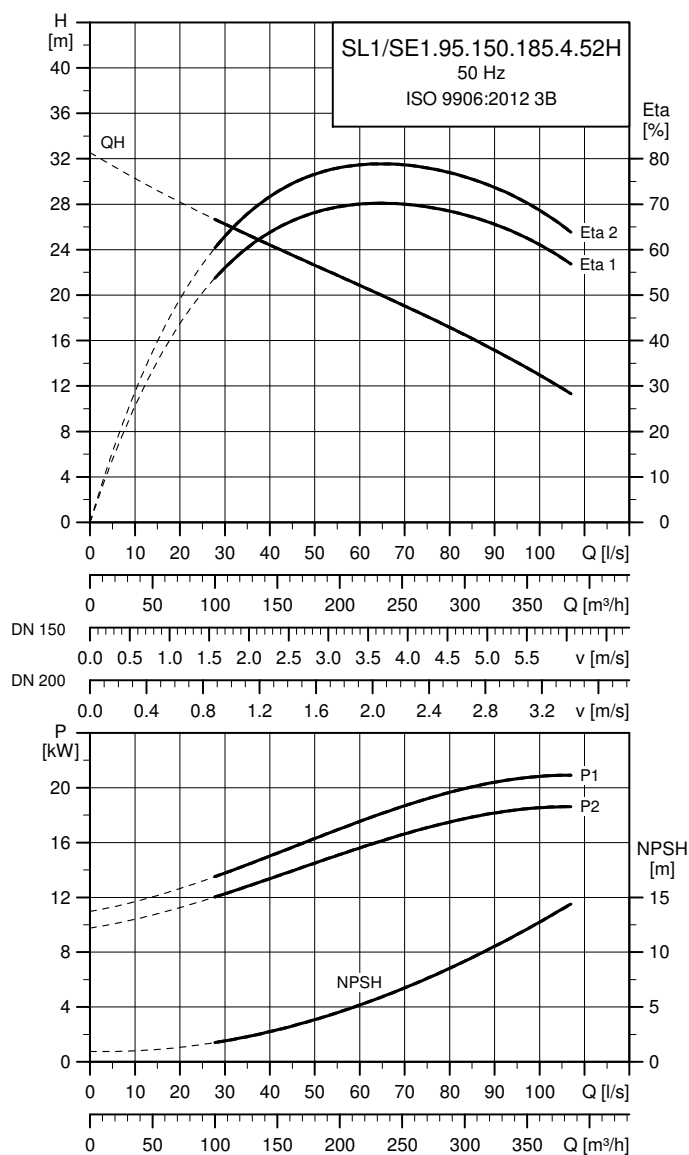
Note: Enclosure class: IP68

Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.95.150.170.4.52H	293	95	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

## SL1/SE1.95.150.185.4.52H



TM05 3605 1119

## Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$\eta_{\text{motor}}$ [%]			$\text{Cos } \phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{\text{max}}$ [Nm]
							[A]	$I_{\text{start}}$ [A]		1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.95.150.185.4.52H	380-415 660-690	21	18.5	4	1479	Y/D	41-37 24-23	381 209	85	87	88	0.69	0.73	0.79	0.0750	304	

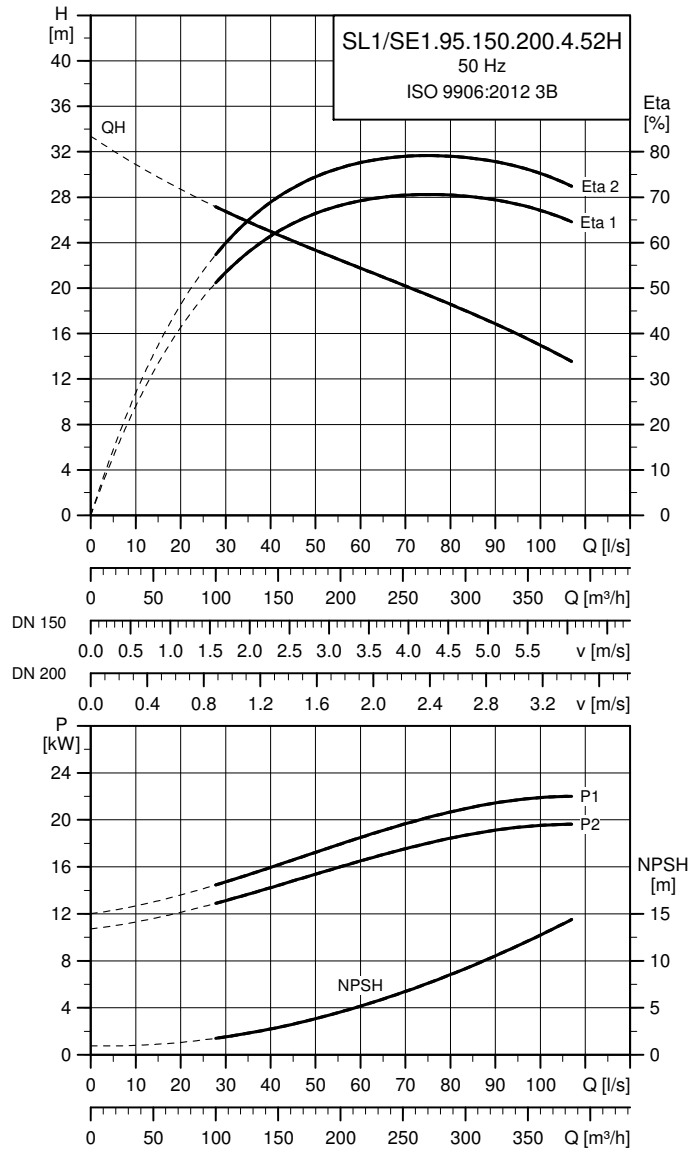
Note: Enclosure class: IP68

## Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.95.150.185.4.52H	299	95	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

**SL1/SE1.95.150.200.4.52H**



TM05 3625 1119

**Electrical data**

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$\eta_{motor}$ [%]			$\cos \phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	$I_{start}$ [A]		1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.95.150.200.4.52H	380-415 660-690	23	20	4	1478	Y/D	43-39 25-24	381 209	84	88	88	0.69	0.74	0.81	0.0750	304	

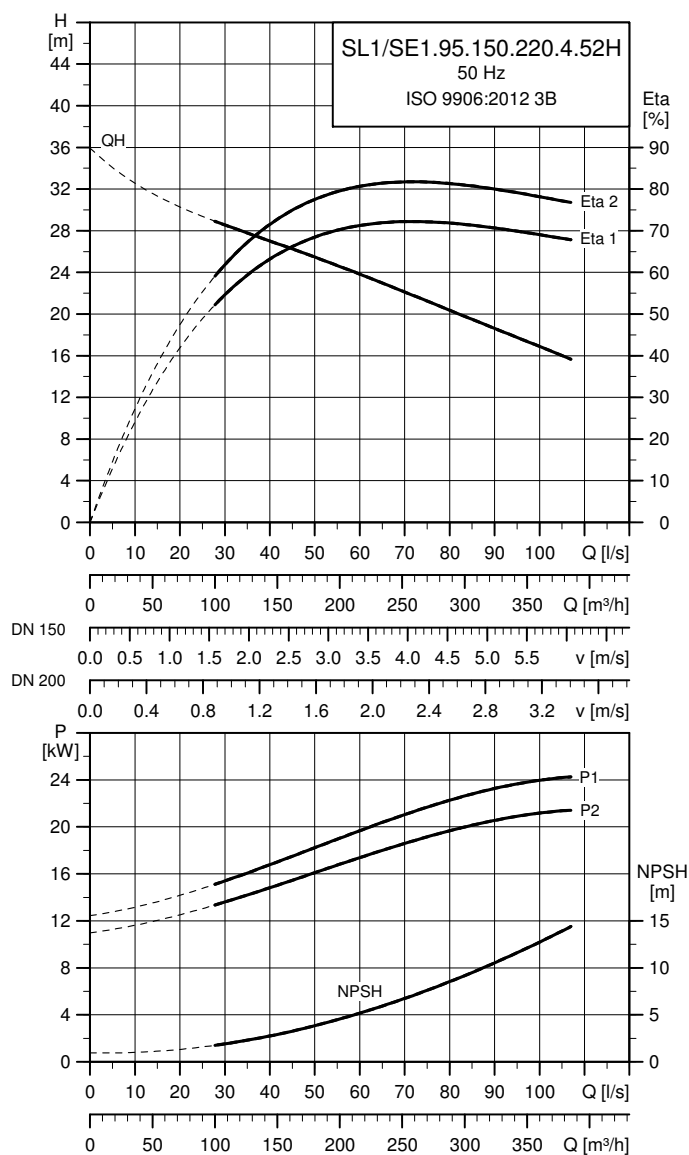
Note: Enclosure class: IP68

**Pump data**

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.95.150.200.4.52H	300	95	10	20

Note: Pumps with stainless steel closed S-tube<sup>®</sup> impellers have the same performance curves as the corresponding cast iron version.

## SL1/SE1.95.150.220.4.52H



TM05 3606 1119

## Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$\eta_{\text{motor}}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{\text{max}}$ [Nm]
							[A]	$I_{\text{start}}$ [A]		1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.95.150.220.4.52H	380-415 660-690	25	22	4	1476	Y/D	45-41 26-25	381 209	86	88	88	0.70	0.76	0.85	0.0750	304	

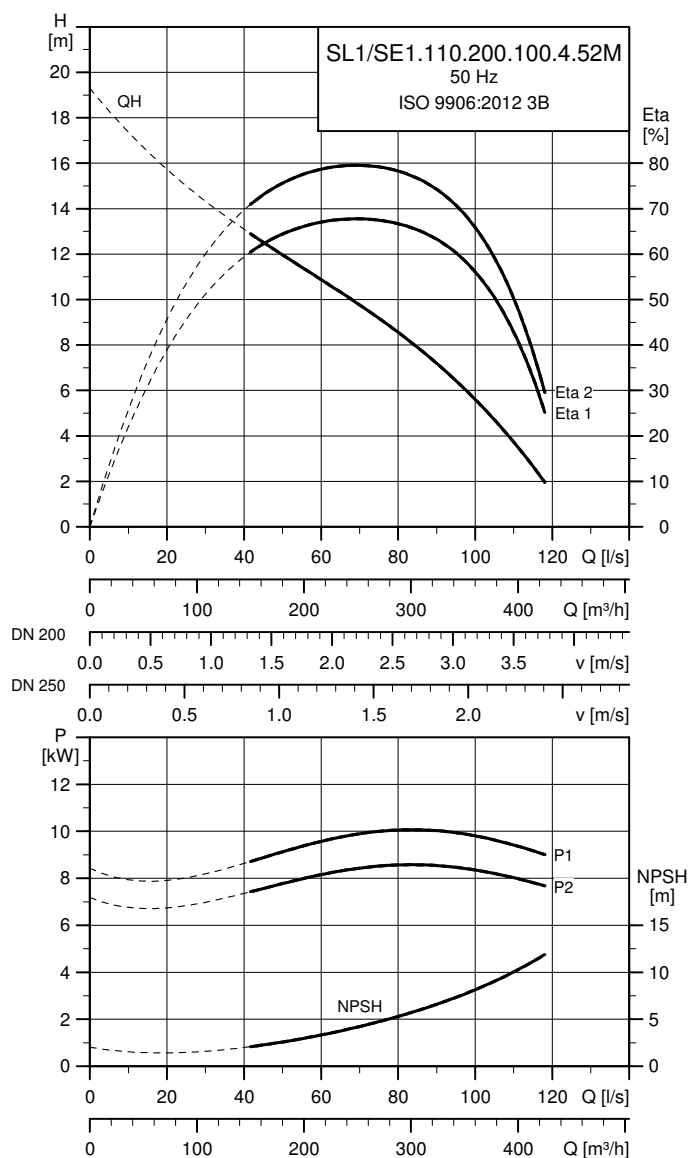
Note: Enclosure class: IP68

## Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.95.150.220.4.52H	309	95	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

### SL1/SE1.110.200.100.4.52M



TM05 3632 1119

#### Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	[A]	[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4		
SL1/SE1.110.200.100.4.52M	380-415 660-690	12	10	4	1482	Y/D	23-21 13-13	210 116	84	86	86	0.69	0.74	0.80	0.0580	222				

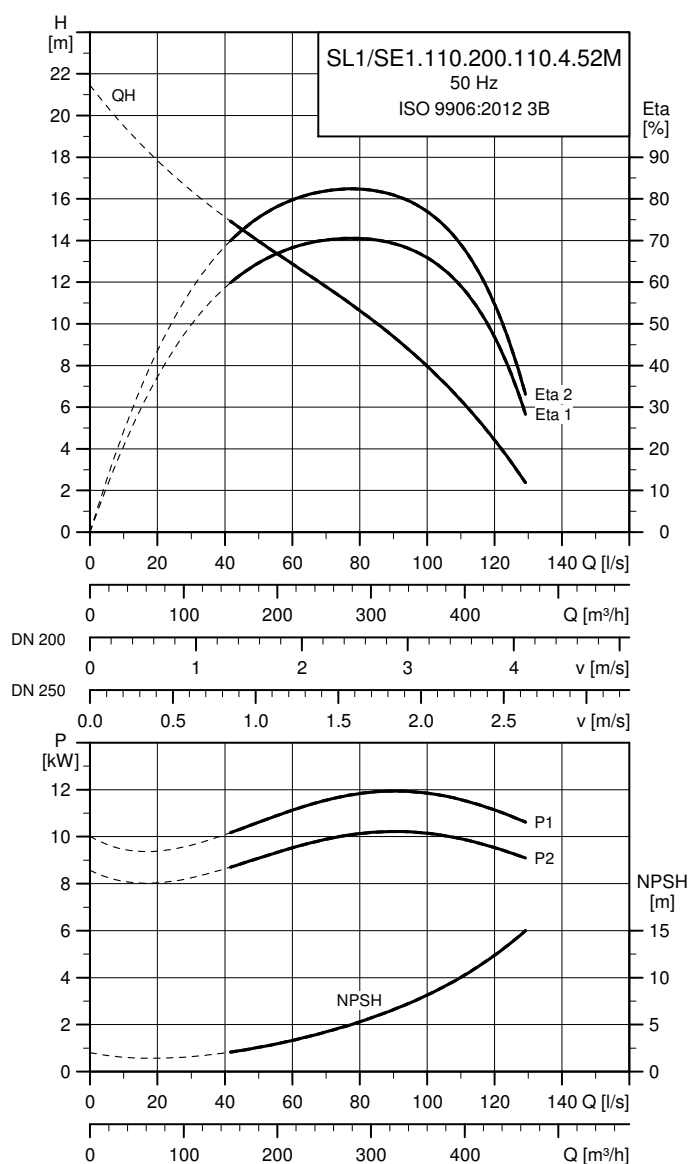
Note: Enclosure class: IP68

#### Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.110.200.100.4.52M	246	110	10	20

Note: Pumps with stainless steel closed S-tube<sup>®</sup> impellers have the same performance curves as the corresponding cast iron version.

## SL1/SE1.110.200.110.4.52M



## Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			$\cos \varphi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.110.200.110.4.52M	380-415 660-690	13	11	4	1481	Y/D	24-22 14-13	210 116	80	87	88	0.70	0.79	0.86	0.0580	222				

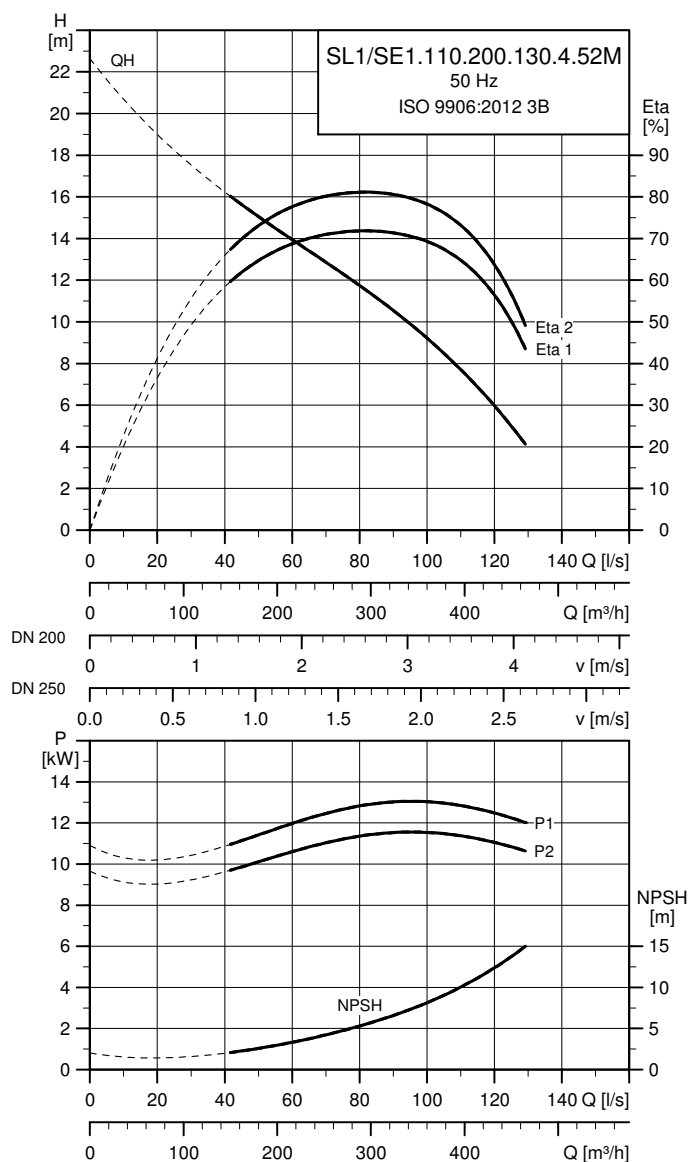
Note: Enclosure class: IP68

## Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.110.200.110.4.52M	256	110	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

SL1/SE1.110.200.130.4.52M



TM05 3631 1119

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			$\cos \phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	[A]	[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4		
SL1/SE1.110.200.130.4.52M	380-415 660-690	15	13	4	1483	Y/D	28-25 14-13	283 156	87	88	88	0.66	0.77	0.83	0.0750	304				

Note: Enclosure class: IP68

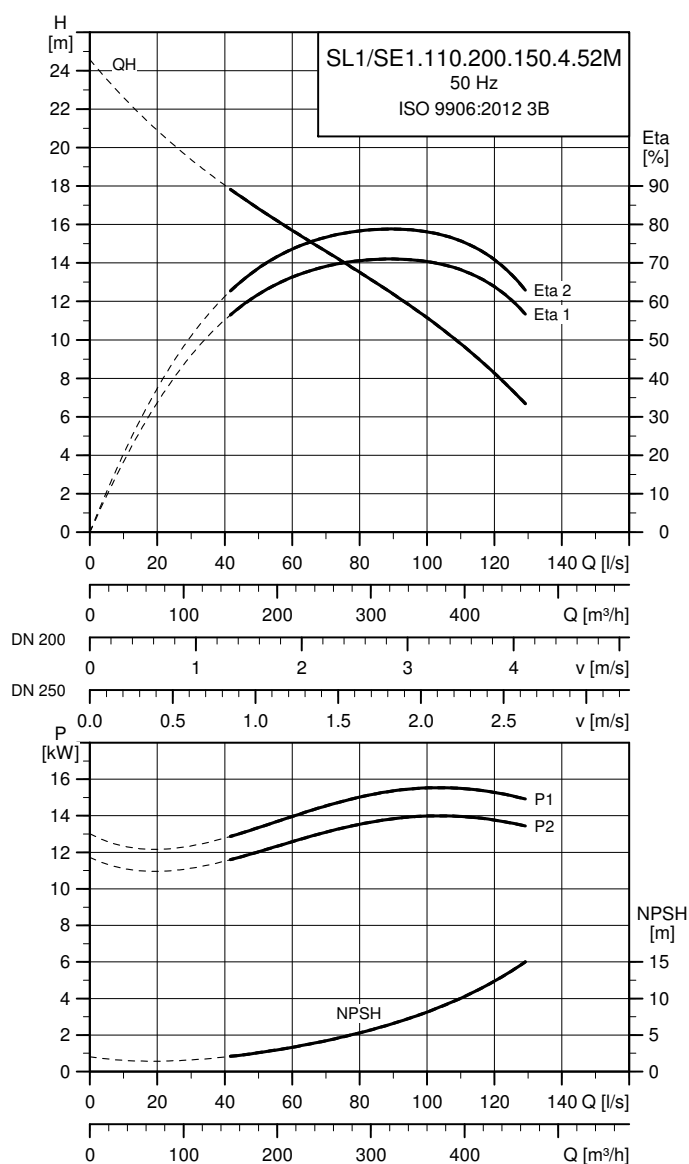
Pump data

Pump type	Impeller diameter [mm]	Max. solids size [mm]	Pump housing pressure PN	Max. installation depth [m]
SL1/SE1.110.200.130.4.52M	264	110	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.



## SL1/SE1.110.200.150.4.52M



TM05 3611 1119

## Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			$\cos \varphi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.110.200.150.4.52M	380-415 660-690	17	15	4	1480	Y/D	31-29 19-17	283 156	87	88	88	0.70	0.80	0.84	0.0750	304				

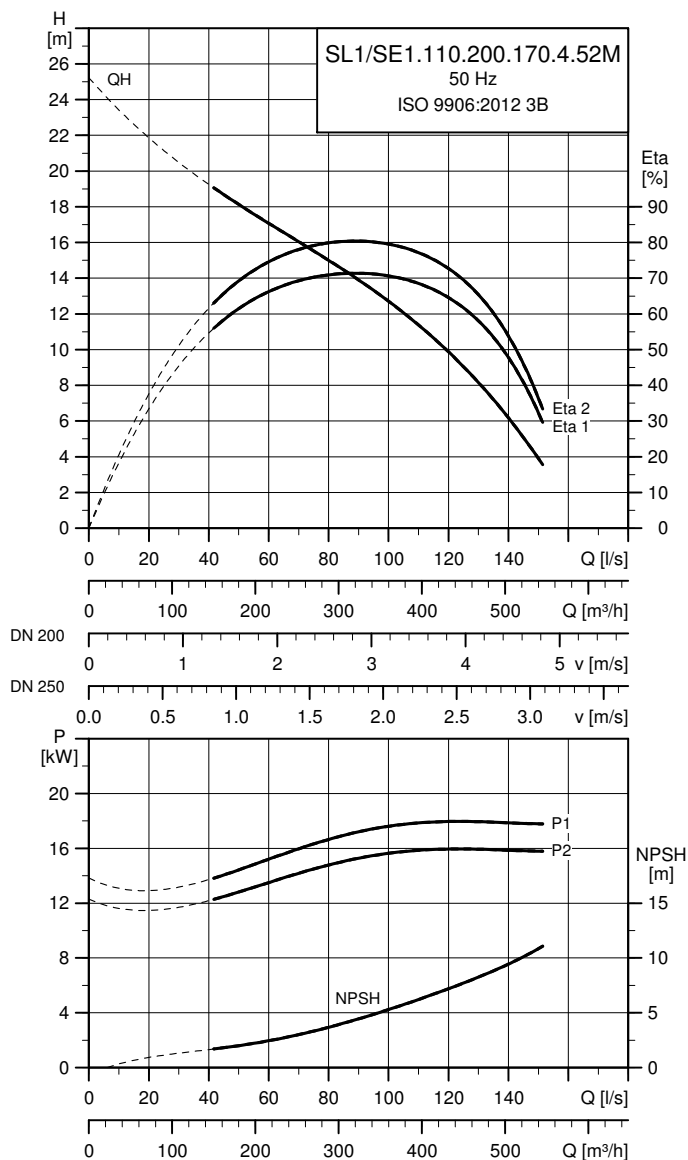
Note: Enclosure class: IP68

## Pump data

Pump type	Impeller diameter [mm]	Max. solids size [mm]	Pump housing pressure PN	Max. installation depth [m]
SL1/SE1.110.200.150.4.52M	273	110	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

SL1/SE1.110.200.170.4.52M



TM05 3630 1119

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			$\cos \varphi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	[A]	[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4		
SL1/SE1.110.200.170.4.52M	380-415 660-690	19	17	4	1480	Y/D	39-36 23-22	381 209	84	87	88	0.68	0.72	0.77	0.0750	304				

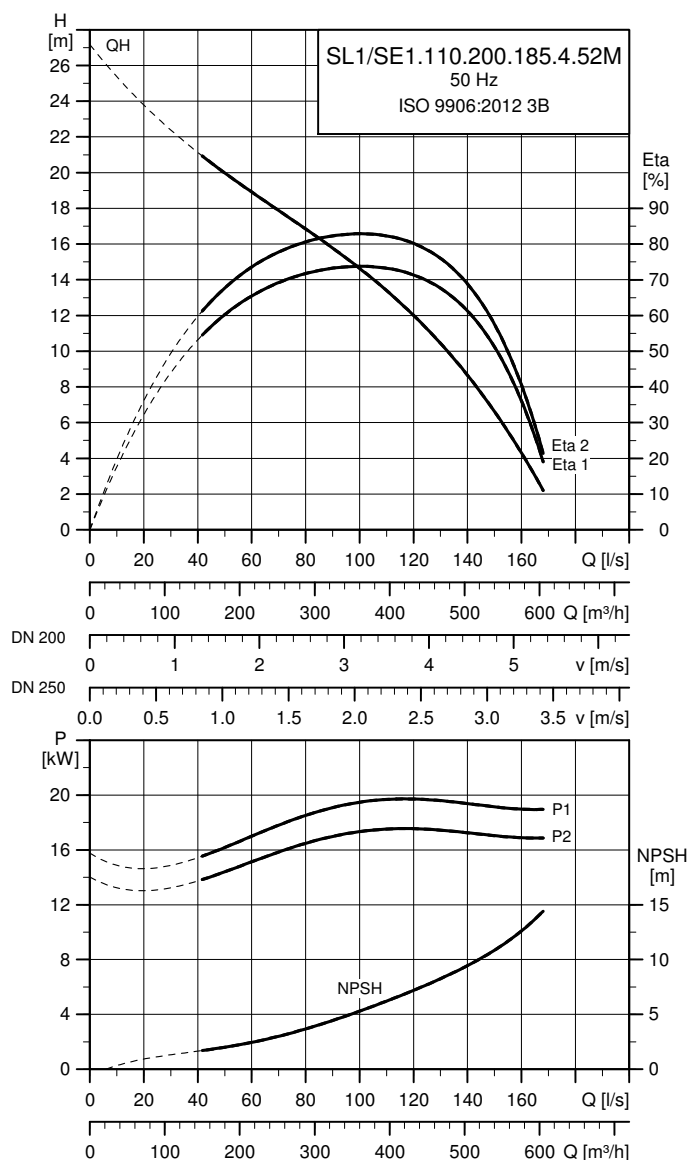
Note: Enclosure class: IP68

Pump data

Pump type	Impeller diameter [mm]	Max. solids size [mm]	Pump housing pressure PN	Max. installation depth [m]
SL1/SE1.110.200.170.4.52M	277	110	10	20

Note: Pumps with stainless steel S-tube® impellers have the same performance curves as the corresponding cast iron version.

## SL1/SE1.110.200.185.4.52M



TM05 3610 1119

## Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$\eta_{\text{motor}}$ [%]			$\text{Cos } \varphi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{\text{max}}$ [Nm]		
							1/2	3/4	1/1	1/2	3/4	1/1				
SL1/SE1.110.200.185.4.52M	380-415 660-690	21	18.5	4	1479	Y/D	41-37 24-23	381 209	85	87	88	0.69	0.73	0.79	0.0750	304

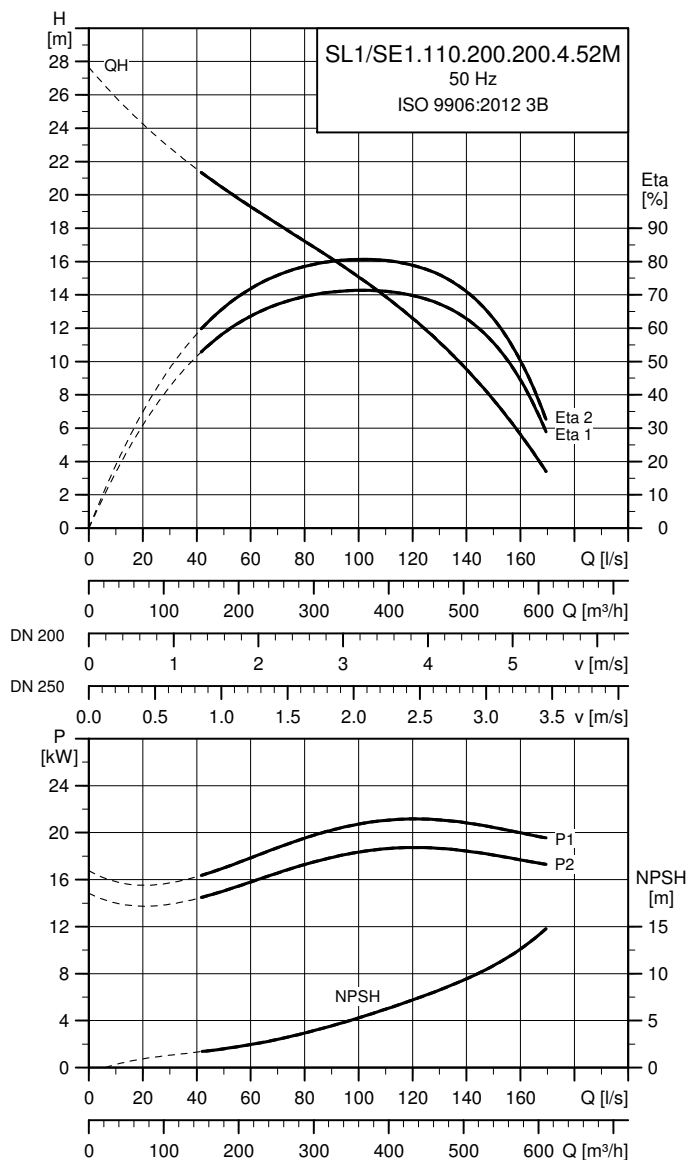
Note: Enclosure class: IP68

## Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.110.200.185.4.52M	285	110	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

SL1/SE1.110.200.200.4.52M



TM05 3629 1119

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	[A]	[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4		
SL1/SE1.110.200.200.4.52M	380-415 660-690	23	20	4	1478	Y/D	43-39 25-24	381 209	85	88	88	0.69	0.74	0.81	0.0750	304				

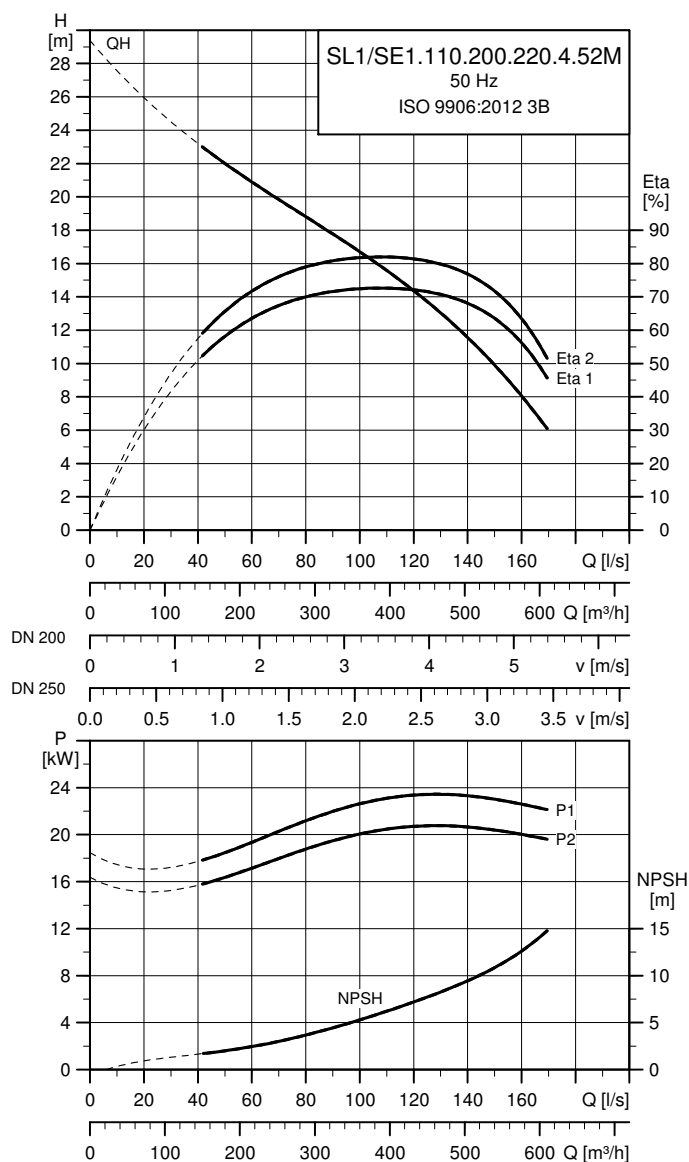
Note: Enclosure class: IP68

Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.110.200.200.4.52M	293	110	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

## SL1/SE1.110.200.220.4.52M



TM05 3609 1119

## Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			Cos $\varphi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1	1/2	3/4	1/1		
SL1/SE1.110.200.220.4.52M	380-415 660-690	25	22	4	1476	Y/D	45-41 25-24	381 209	86	88	88	0.70	0.76	0.85	0.0750	304				

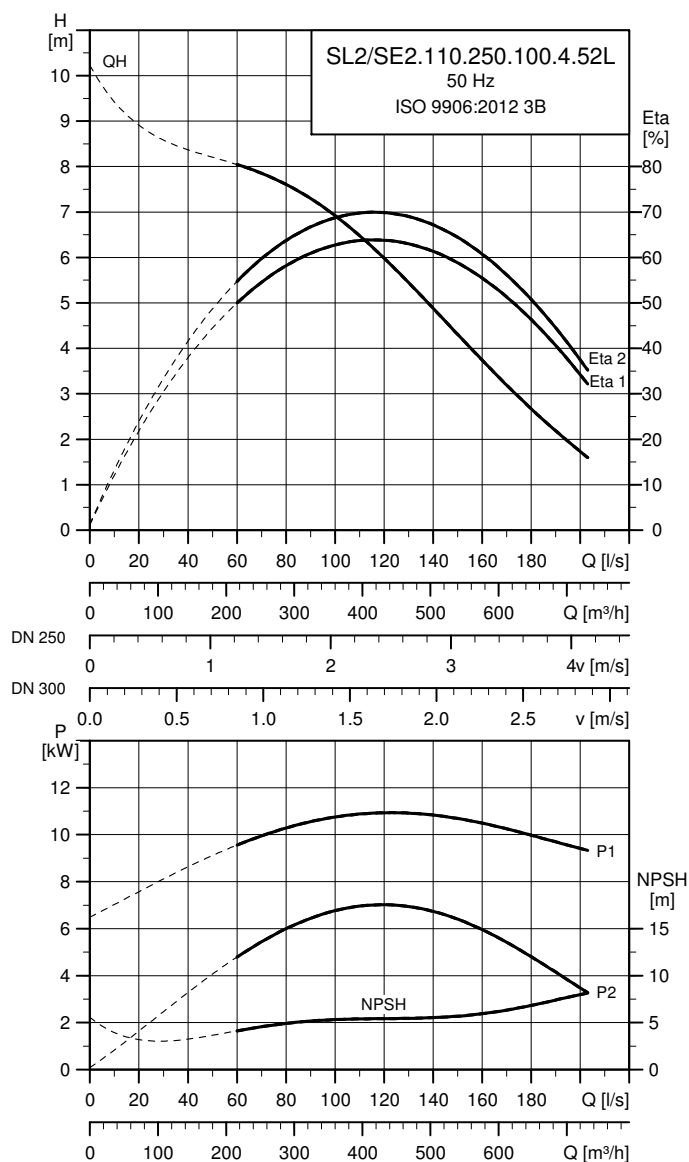
Note: Enclosure class: IP68

## Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL1/SE1.110.200.220.4.52M	302	110	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

SL2/SE2.110.250.100.4.52L



TM07 4325 1519

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$\eta_{motor}$ [%]			$\cos \phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1		
SL2/SE2.110.250.100.4.52L	380-415 660-690	12	10	4	1481	Y/D	23-21 13-13	210 116	84	85	86	0.69	0.74	0.80	0.0580	222	

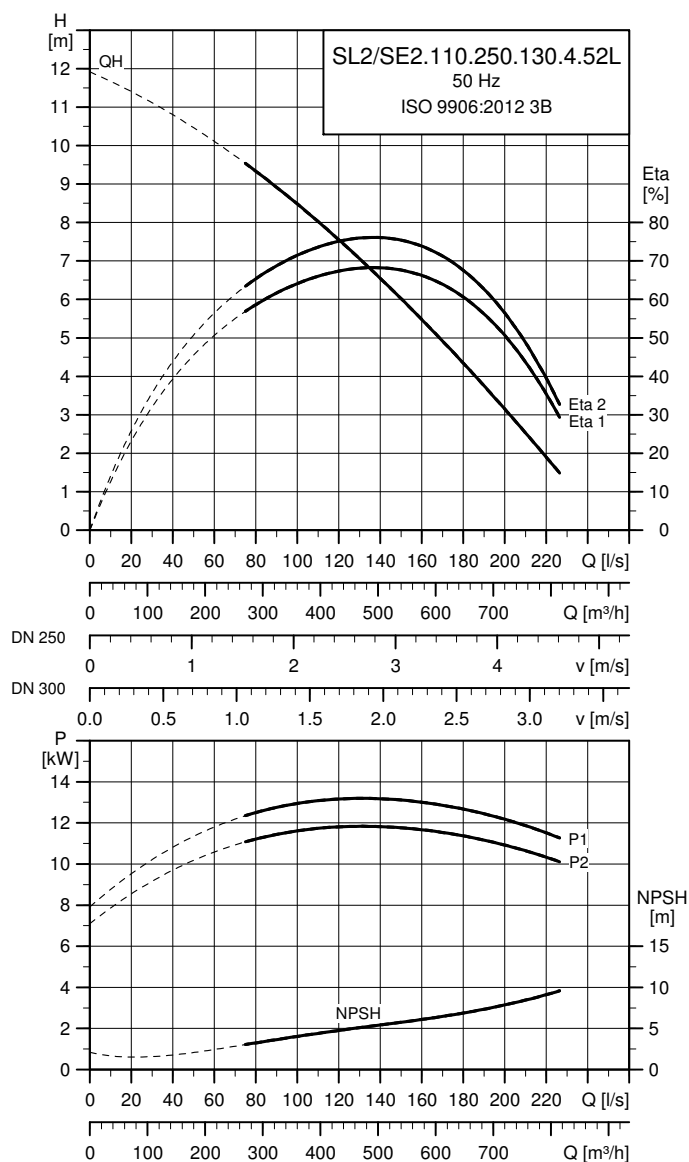
Note: Enclosure class: IP68

Pump data

Pump type	Impeller diameter [mm]	Max. solids size [mm]	Pump housing pressure PN	Max. installation depth [m]
SL2/SE2.110.250.100.4.52L	231	110	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

## SL2/SE2.110.250.130.4.52L



TM06 6728 1119

## Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]		
SL2/SE2.110.250.130.4.52L	380-415 660-690	15	13	4	1483	Y/D	28-26 16-15	283 156	87 88	88 88	88 88	0.66 0.77	0.83 0.83	0.0750	304					

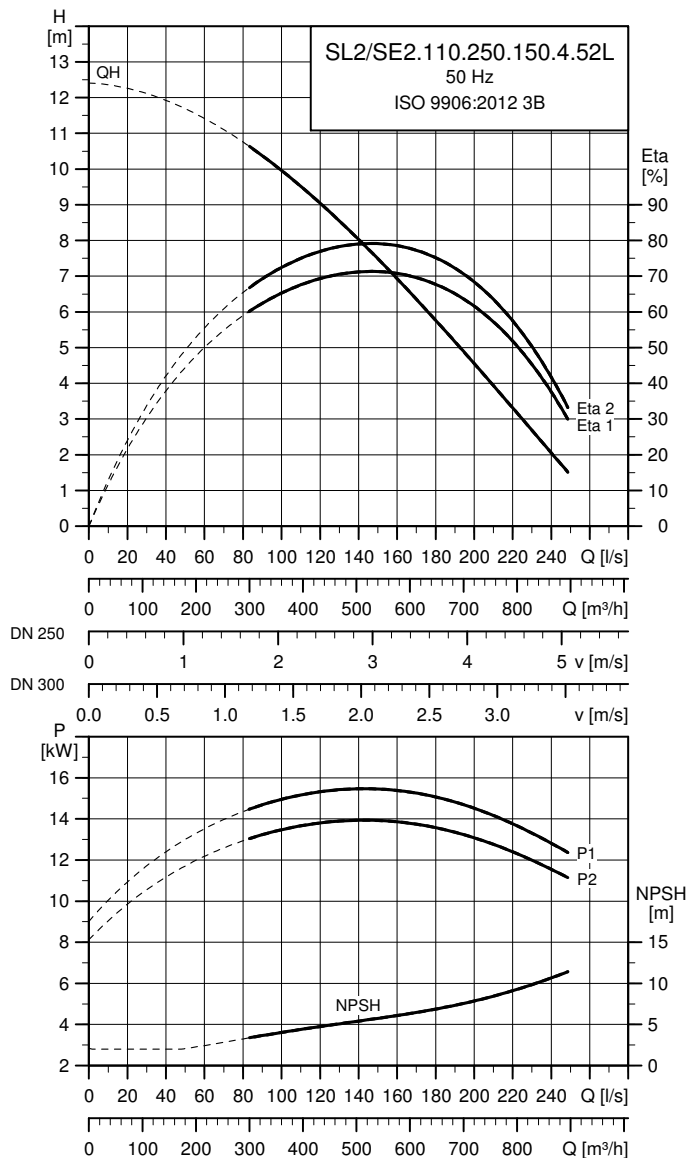
Note: Enclosure class: IP68

## Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL2/SE2.110.250.130.4.52	237	110	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

SL2/SE2.110.250.150.4.52L



TM06 6729 1119

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor} [\%]$			$\cos \varphi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]		
SL2/SE2.110.250.150.4.52L	380-415 660-690	17	15	4	1480	Y/D	31-29 18-17	283 156	87 88	88 88	0.70 0.80 0.84	0.0750	304							

Note: Enclosure class: IP68

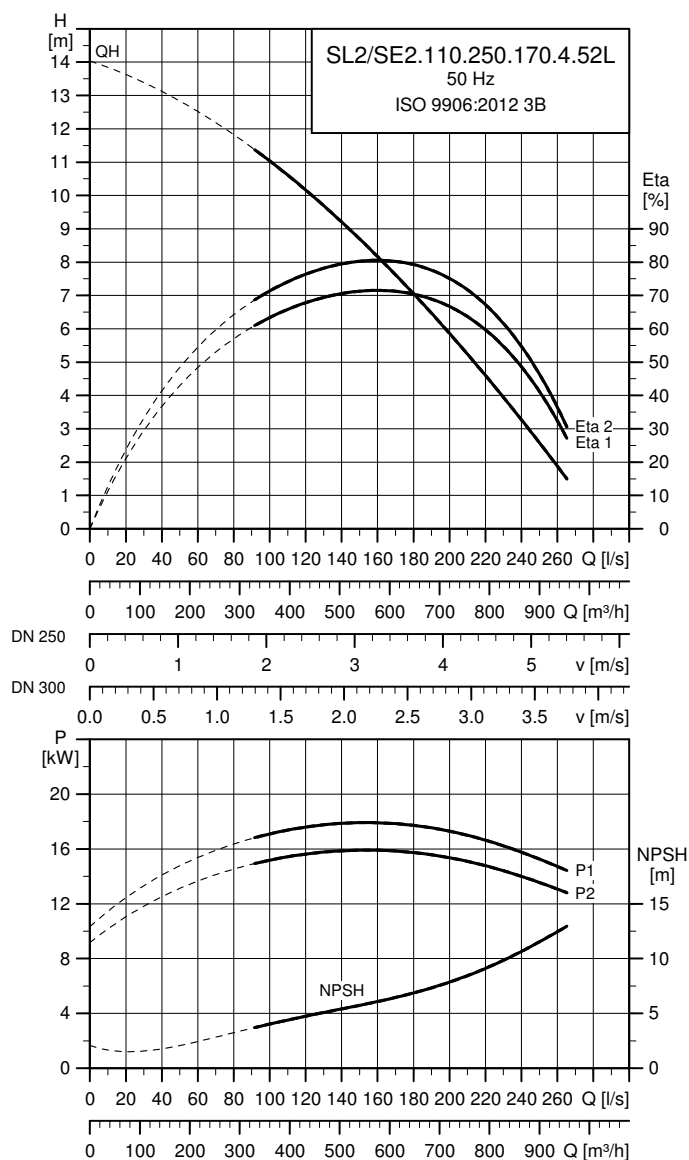
Pump data

Pump type	Impeller diameter [mm]	Max. solids size [mm]	Pump housing pressure PN	Max. installation depth [m]
SL2/SE2.110.250.150.4.52L	247	110	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.



SL2/SE2.110.250.170.4.52L



TM06 6730 1119

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]		
SL2/SE2.110.250.170.4.52L	380-415 660-690	19	17	4	1480	Y/D	39-36 23-22	381 209	84	87	88	0.68	0.72	0.77	0.0750	304				

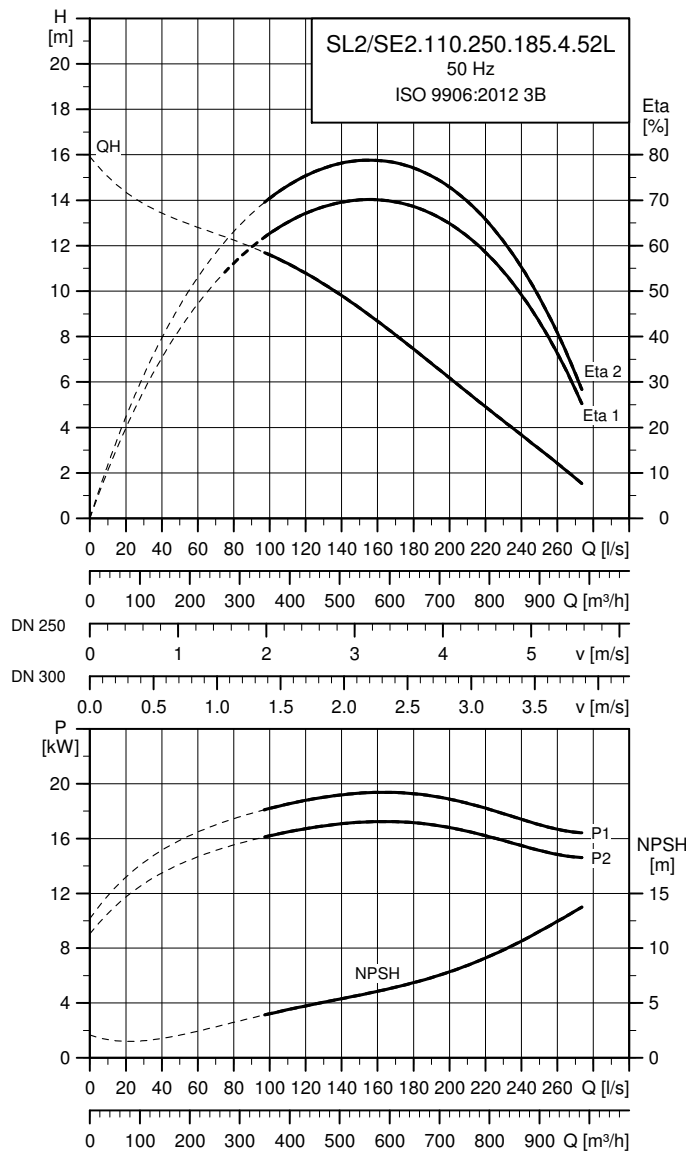
Note: Enclosure class: IP68

Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL2/SE2.110.250.170.4.52L	255	110	10	20

Note: Pumps with stainless steel closed S-tube<sup>®</sup> impellers have the same performance curves as the corresponding cast iron version.

SL2/SE2.110.250.185.4.52L



TM06 6731 1119

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			$\cos \phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1					
SL2/SE2.110.250.185.4.52L	380-415 660-690	21	18.5	4	1479	Y/D	41-37 24-23	381 209	85	87	88	0.69	0.73	0.79	0.0750	304				

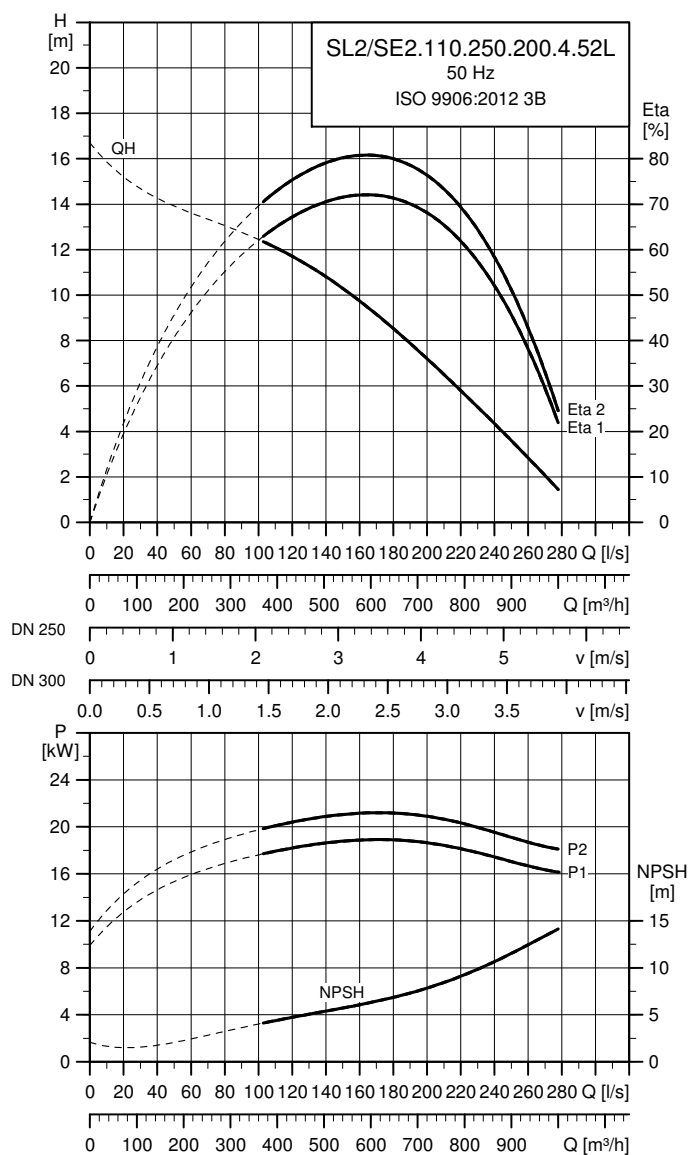
Note: Enclosure class: IP68

Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL2/SE2.110.250.185.4.52	259	110	10	20

Note: Pumps with stainless steel closed S-tube<sup>®</sup> impellers have the same performance curves as the corresponding cast iron version.

## SL2/SE2.110.250.200.4.52L



TM06 6732 1119

## Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			$\cos \phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1	1/2	3/4	1/1		
SL2/SE2.110.250.200.4.52L	380-415 660-690	23	20	4	1478	Y/D	43-39 25-24	381 209	85	88	88	0.69	0.74	0.81	0.0750	304				

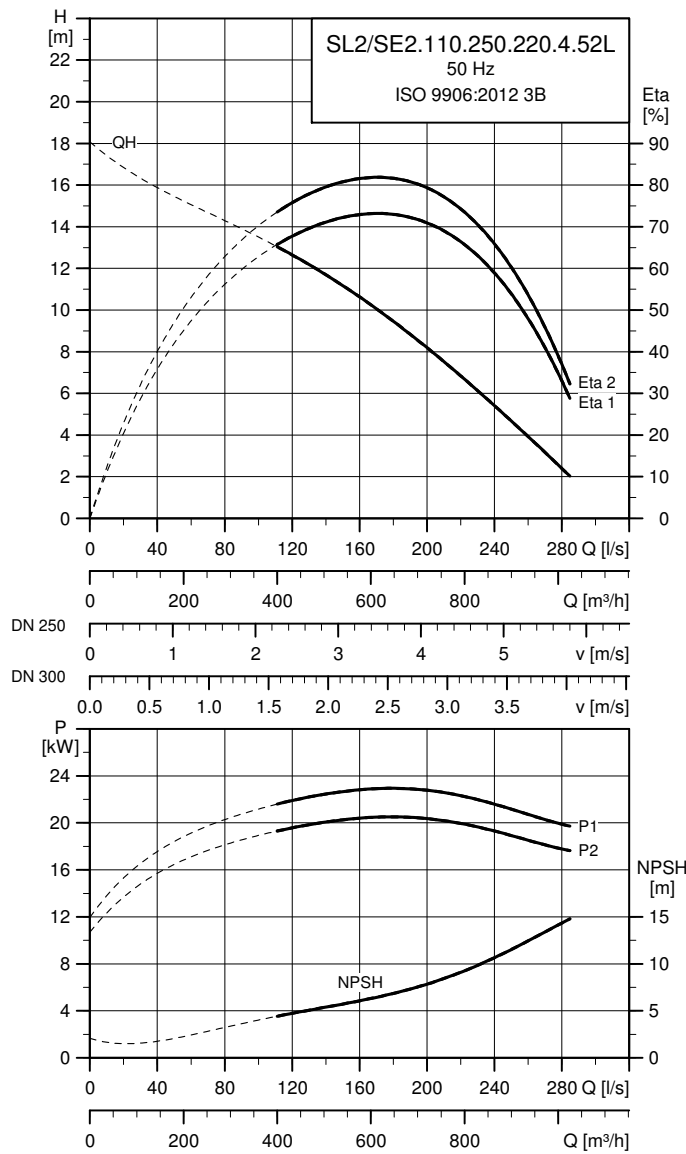
Note: Enclosure class: IP68

## Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL2/SE2.110.250.200.4.52	264	110	10	20

Note: Pumps with stainless steel closed S-tube<sup>®</sup> impellers have the same performance curves as the corresponding cast iron version.

SL2/SE2.110.250.220.4.52L



TM06 6733 1119

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			$\cos \phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]		
SL2/SE2.110.250.220.4.52L	380-415 660-690	25	22	4	1476	Y/D	45-41 26-25	381 209	86	88	88	0.70	0.76	0.85	0.0750	304				

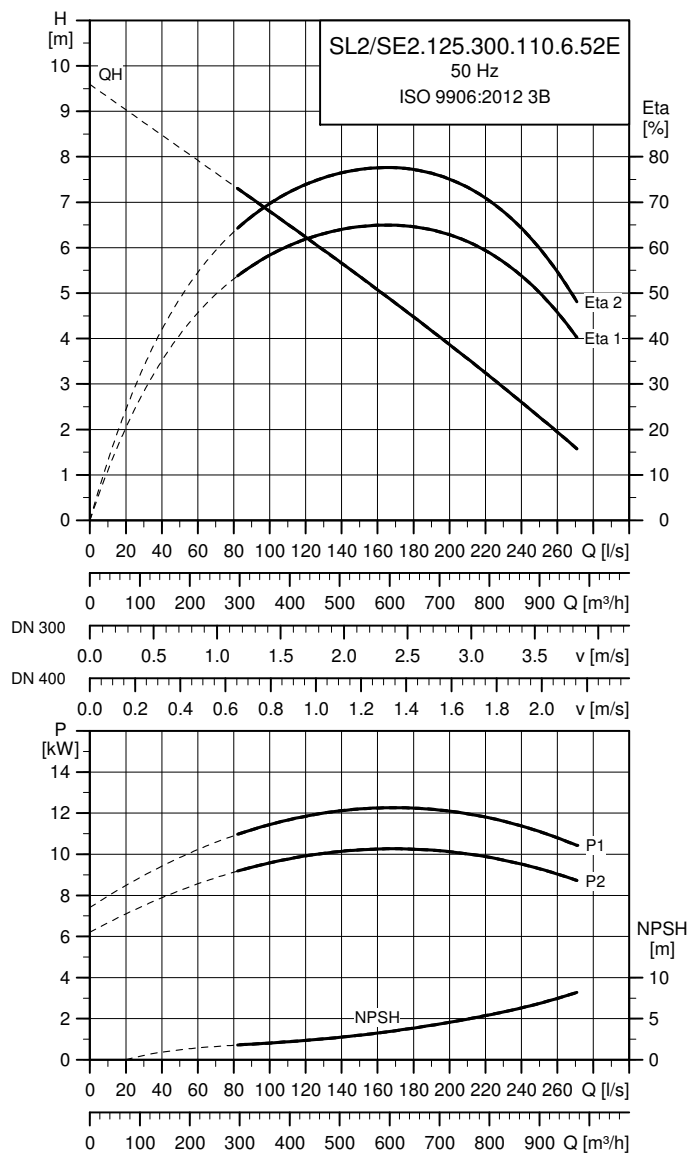
Note: Enclosure class: IP68

Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL2/SE2.110.250.220.4.52	271	110	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

SL2/SE2.125.300.110.6.52E



TM06 9926 1119

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			$\cos \phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]		
SL2/SE2.125.300.110.6.52E	380-415 660-690	13	11	6	983	Y/D	28-26 16-16	185 177	84	86	86	0.52	0.62	0.70	0.0940	503				

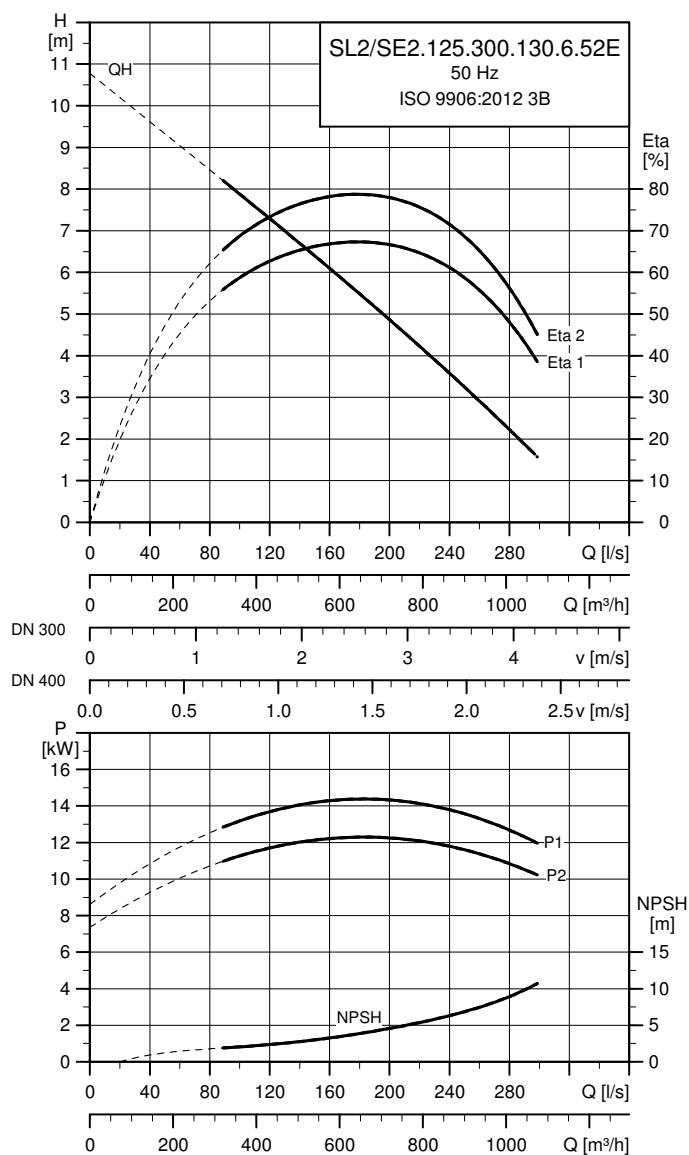
Note: Enclosure class: IP68

Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL2/SE2.125.300.110.6.52E	298	125	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

**SL2/SE2.125.300.130.6.52E**



TM06 9927 1119

**Electrical data**

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			$\cos \phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	[A]	[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4		
SL2/SE2.125.300.130.6.52E	380-415 660-690	15	13	6	980	Y/D	31-29 18-17	185 177	85	86	86	0.56	0.66	0.74	0.0940	503				

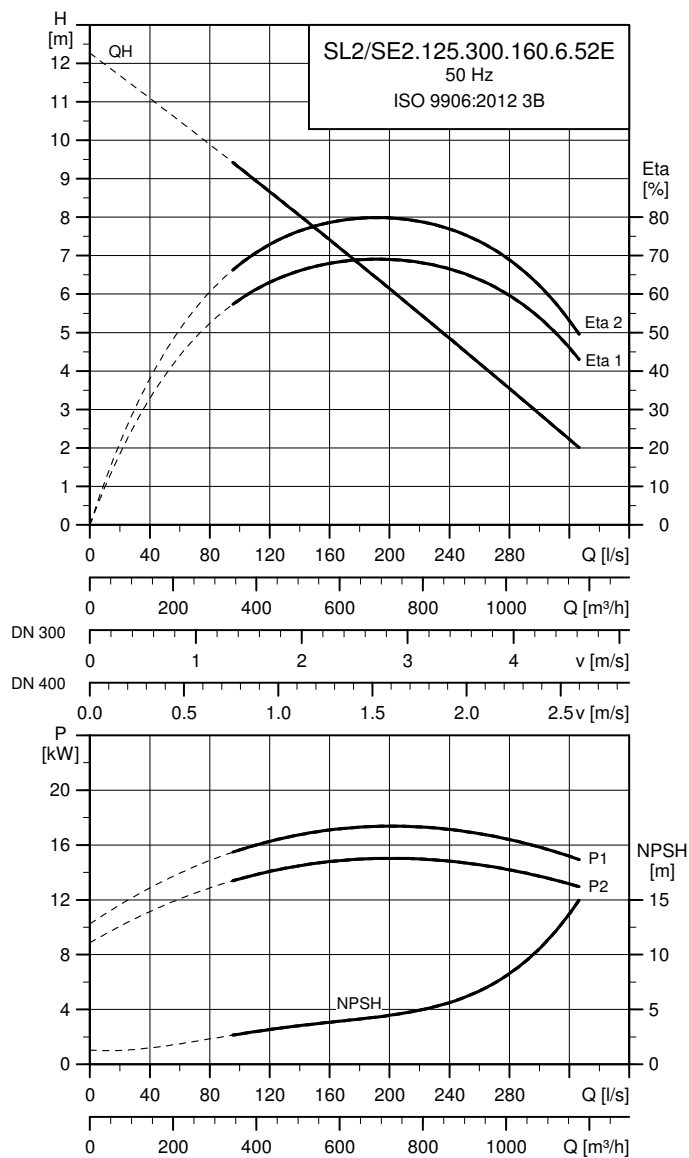
Note: Enclosure class: IP68

**Pump data**

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL2/SE2.125.300.130.6.52E	304	125	10	20

Note: Pumps with stainless steel closed S-tube<sup>®</sup> impellers have the same performance curves as the corresponding cast iron version.

SL2/SE2.125.300.160.6.52E



TM06 9928 1119

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1	1/2	3/4	1/1		
SL2/SE2.125.300.160.6.52E	380-415 660-690	19	16	6	975	Y/D	36-33 21-20	185 177	86	86	86	0.61	0.72	0.79	0.0940	503				

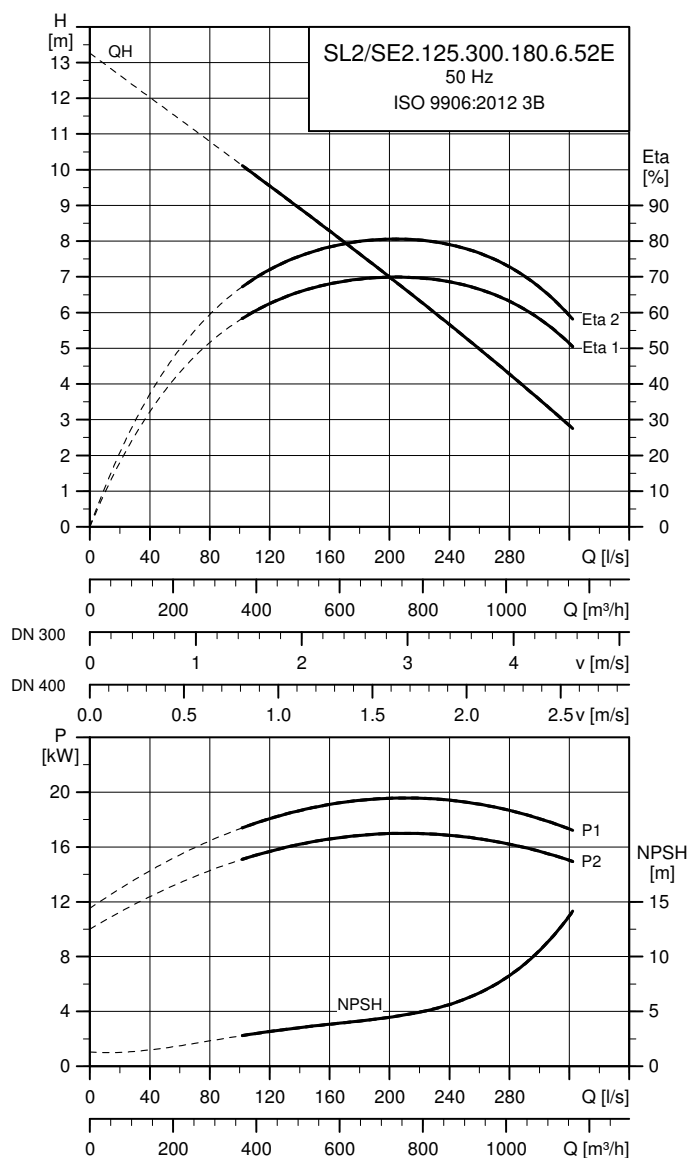
Note: Enclosure class: IP68

Pump data

Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL2/SE2.125.300.160.6.52E	327	125	10	20

Note: Pumps with stainless steel closed S-tube® impellers have the same performance curves as the corresponding cast iron version.

SL2/SE2.125.300.180.6.52E



TM06 9929 1119

Electrical data

Pump type	Voltage variant	P1 [kW]	P2 [kW]	No. of poles	RPM	Starting method	$I_N$			$I_{start}$			$\eta_{motor}$ [%]			Cos $\phi$			Moment of inertia [kgm <sup>2</sup> ]	Breakdown torque $M_{max}$ [Nm]
							[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1	1/2	3/4	1/1		
SL2/SE2.125.300.180.6.52E	380-415 660-690	21	18	6	971	Y/D	40-37 23-22	185 177	86	86	85	0.64	0.75	0.82	0.0940	503				

Note: Enclosure class: IP68

Pump data

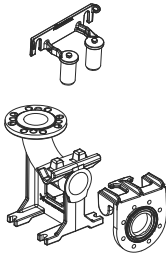

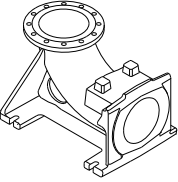
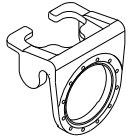
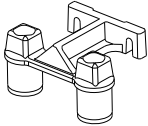

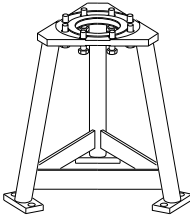
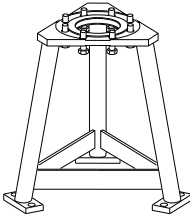
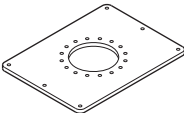
Pump type	Impeller diameter	Max. solids size	Pump housing pressure	Max. installation depth
	[mm]	[mm]	PN	[m]
SL2/SE2.125.300.180.6.52E	329	125	10	20

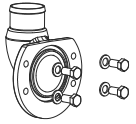
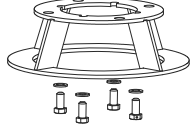

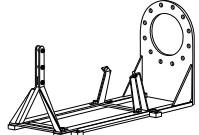
Note: Pumps with stainless steel closed S-tube<sup>®</sup> impellers have the same performance curves as the corresponding cast iron version.



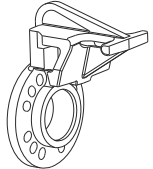
# 11. Accessories

## Installation systems

Picture	Description	Dimensions/ Materials	SEV.XX.80	SLV.XX.80	SE1.XX.100	SL1.XX.100	SE1.XX.150	SL1.XX.150	SE1.XXX.200	SL1.XXX.200	SE2.XXX.250	SL2.XXX.250	SE2.XXX.300	SL2.XXX.300	Product number	
	Cast iron (according to EN-GJL-250) Complete auto coupling system with: • guide claw • base unit • upper guide rail bracket • bolts, nuts and gaskets.	DN 80	•	•											96090993	
		DN 100/DN 80	•	•												96102240
		DN 100			•	•										96090994
		DN 150/DN 100			•	•										96102241
		DN 150					•	•								97695489
		DN 200								•	•					96641489
	Stainless steel (according to EN 1.4408) Complete auto coupling system with: • guide claw • base unit • upper guide rail bracket • bolts, nuts and gaskets.	DN 80	•	•											96825106	
		DN 100			•	•										96825108
		DN 150					•	•								96989863
<b>Note:</b> If your guide rails exceed 6 m, consider using intermediate guide rail brackets to support your system.																
	Cast-iron base plate with UGRH.	DN 250, PN 10									•	•			96782483	
		DN 300, PN 10											•	•	96782484	
<b>Note:</b> For pump outlet flanges sized DN 250 and above, the guide claw is fitted to the pump outlet flange. <b>Note:</b> For flanges below DN 250, the guide claw is delivered with the auto coupling kit.																
	Cast iron. Complete guide claw.	DN 250									•	•			99252842	
		DN 300											•	•	99252841	
	Stainless steel. IGRH, complete, for guide rails longer than 6 m.	DN 80	•	•											96825142	
		DN 100			•	•										96825161
		DN 125/DN 150					•	•								96829331
	Stainless steel. IGRH/UGRH, complete, for guide rails longer than 6 m.	DN 200/DN 600							•	•	•	•	•	•	97918997	
		DN 100	•													96308237
	Steel, epoxy-coated. Vertical base stand installation kit with: • bolts • flange seal.	DN 150			•	•									96308238	
		DN 200							•						96094523	
		DN 100	•													96090110
	Stainless steel. Vertical base stand installation kit with: • bolts • flange seal.	DN 150			•	•									96835614	
		DN 200							•						96090119	
		DN 250									•					96308240
	Steel, epoxy-coated. Base plate for vertical, dry installation kit with: • flange seal • bolts.	DN 300											•		96308241	


Picture	Description	Dimensions/ Materials	SEV.XX.80	SLV.XX.80	SE1.XX.100	SL1.XX.100	SE1.XX.150	SL1.XX.150	SE1.XXX.200	SL1.XXX.200	SE2.XXX.250	SL2.XXX.250	SE2.XXX.300	SL2.XXX.300	Product number
	Cast iron, epoxy-coated. Ring stand complete with • flanged 90 ° bend with hose connection • anchor bolts • bolts, nuts and gaskets.	DN 100/DN 80	•	•											96102313
		DN 100			•	•									96102255
		DN 100/DN 150			•	•									96102314
		DN 150					•	•							96102256
		DN 200							•	•					96789480
	Stainless steel. Ring stand complete with: • flanged 90 ° bend with hose connection • anchor bolts • bolts, nuts and gaskets.	DN 100/DN 80	•	•											96898249
		DN 100			•	•									96898272
		DN 100/DN 150			•	•									96898274
		DN 200							•	•					96898277
	Cast iron, epoxy-coated. Ring stand complete with: • flanged 90 ° bend with thread connection • anchor bolts • bolts, nuts and gaskets.	DN 100/DN 80	•	•											96102382
		DN 100			•	•									96102383
		DN 100/DN 150			•	•									96102384
		DN 150					•	•							96102385
		DN 100	•	•											98113361
	Steel, epoxy-coated. Horizontal base stand with bolts and nuts.	DN 150				•									98113365
		DN 200							•						98113366
		DN 250									•				98113367
		DN 300											•	•	98113369

Note: A horizontal base stand is included with the pump.

Picture	Description	Grundfos/Flygt												Product number	
		DN 80/DN 100	DN 100/DN 100	DN 100/DN 150	DN 150/DN 150*	DN 200/DN 200**	DN 250/DN 250**	DN 300/DN 300**							
	Adaptor for Flygt type auto couplings	DN 80/DN 100	•	•	•	•									96105790
		DN 100/DN 100	•	•	•	•									96105782
		DN 100/DN 150				•	•								96105787
		DN 150/DN 150*				•	•								96006638
		DN 200/DN 200**						•	•						98365764
		DN 250/DN 250**								•	•				98365769
		DN 300/DN 300**												•	•

\* For 2" guide pipes  
\*\* For 3" guide pipes

### Other accessories

Picture	Description	Length [m]	Max. load [kg]	Pump type	Product number
	Lifting chain Galvanised steel, certified, complete	2	800	All	98425759
		4			98425760
		6			98425781
		8			98425782
		10			98425783
	Lifting chain Stainless steel, certified, complete	2	800		98425796
		4			98425797
		6			98425798
		8			98425799
		10			98425800

## 12. Dimensions

### Recommendations for pump foundations

**Note:** This applies only for pumps above 15 kW.

All rotating equipment generates vibrations, as a mass, such as an impeller or rotor, is turning at high speeds. Proper installation and anchorage of Grundfos pumps and installation accessories is critical to limit vibrations and achieve reliable, trouble free installation. It is important to note that all mechanically connected pipes, fittings and supports to the pump, are all part of a single system.

The rotating mass of the entire pump together with the forces from the motor and hydraulics will generate disturbances related to the speed of the motor.

Unbalance and impeller vane pass in hydraulics are the two most important frequencies affecting vibration. When these frequencies coincide with the natural frequency of the entire mechanical system, the vibration level will increase substantially.

Grundfos pumps are designed and produced according to the highest quality standards. The method and grade of balancing is specified by the manufacturer in order to achieve acceptable vibration levels. Although the pump itself can withstand rather high vibration levels under running conditions without considerable lifetime reduction, the pipes and supportive structure may suffer and crack if vibration levels are too high. Furthermore, noticeable noise levels might be generated.

The occurrence of high vibration levels is increased in variable speed applications where the pump is operated over a range of speeds rather than at a single constant speed. Most variable speed drives provide the possibility to exclude certain frequencies.

To ensure acceptable vibration levels in the field, all parts of the system must be sufficiently stiff and firmly anchored to minimise vibrations:

- The foundation and concrete must be of adequate strength to support the weight of the pump including accessories, the weight of the liquid passing through the pump and the forces generated by the pump.
- As a rule of thumb, the mass of the concrete foundation must be at least three to five times the mass of the supported equipment and must have sufficient rigidity to withstand the axial, transverse, and torsional loadings generated by these machines.
- The foundation must be 15 cm wider than the baseplate for pumps up to 350 kW and 25 cm wider for larger pumps.
- The concrete used in the foundation must have a minimum tensile strength of 250 N/cm<sup>2</sup> pump.
- Epoxy grout must always be used to mate the pump baseplate to the foundation.

### Pull-out strengths for bolts and anchor bolts

Submerged installation on auto coupling (types S and C):

Auto coupling base unit	Bolts	Pull-out resistance [kN]
DN 100	4 x M16	5
DN 125/150*		8
DN 200		16
DN 250	4 x M24	30
DN 300		40

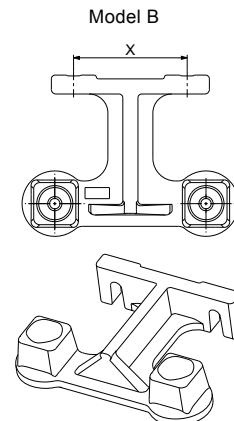
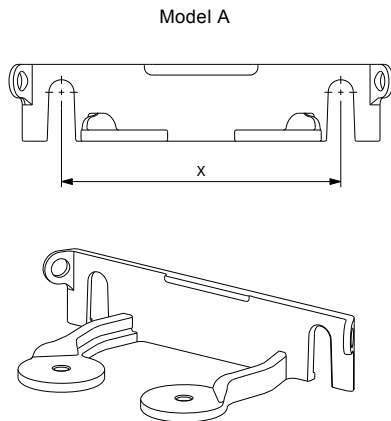
\* Pump outlet DN 125 and base plate outlet DN 150.

Dry installation (types D and H):

Dry installation	Anchor bolts	Pull-out resistance [kN]
DN 100	3 x M20	18
DN 150	6 x M20	18
DN 200		
DN 250	6 x M24	25
DN 300		

## Installation

### Upper guide rail bracket dimensions

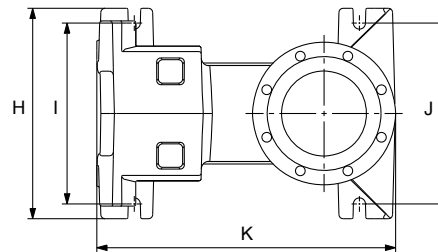
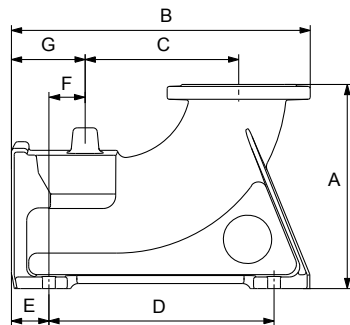


TM06 9913 3617 - TM06 9915 3617

Cast iron			X [mm]
Product number	Size	Model	
96090993	DN 80	A	180
96102240	DN 100/DN 80		
96090994	DN 100		
96102241	DN 150/DN 100		
97695489	DN 150		
96641489	DN 200		
96782483	DN 250	B	150
96782484	DN 300		

Stainless steel			X [mm]
Product number	Size	Model	
96825106	DN 80	A	180
96825108	DN 100		200
96989863	DN 150		210

### Auto coupling dimensions



TM07 0592 0418

#### Cast iron

Product number	Size	Dimensions [mm]										
		A	B	C	D	E	F	G	H	I	J	K
96090993	DN 80	345	326.6	171	160	41	13	54	240	220	220	214.2
96102240	DN 100/DN 80	413	403.0	220	220	68	0	68	300	260	230	340.6
96090994	DN 100	413	403.0	220	220	68	0	68	300	260	230	340.6
96102241	DN 150/DN 100	450	500.5	280	280	78	0	78	340	300	300	404.6
97695489	DN 150	450	500.5	280	280	78	0	78	340	300	300	404.6
96641489	DN 200	485	710	365	535	89	86	175	500	430	430	709
96782483	DN 250	545	752.5	375	565	89	86	175	540	468.7	468.7	744
96782484	DN 300	650	860	450	670	80	95	175	620	551	551	844

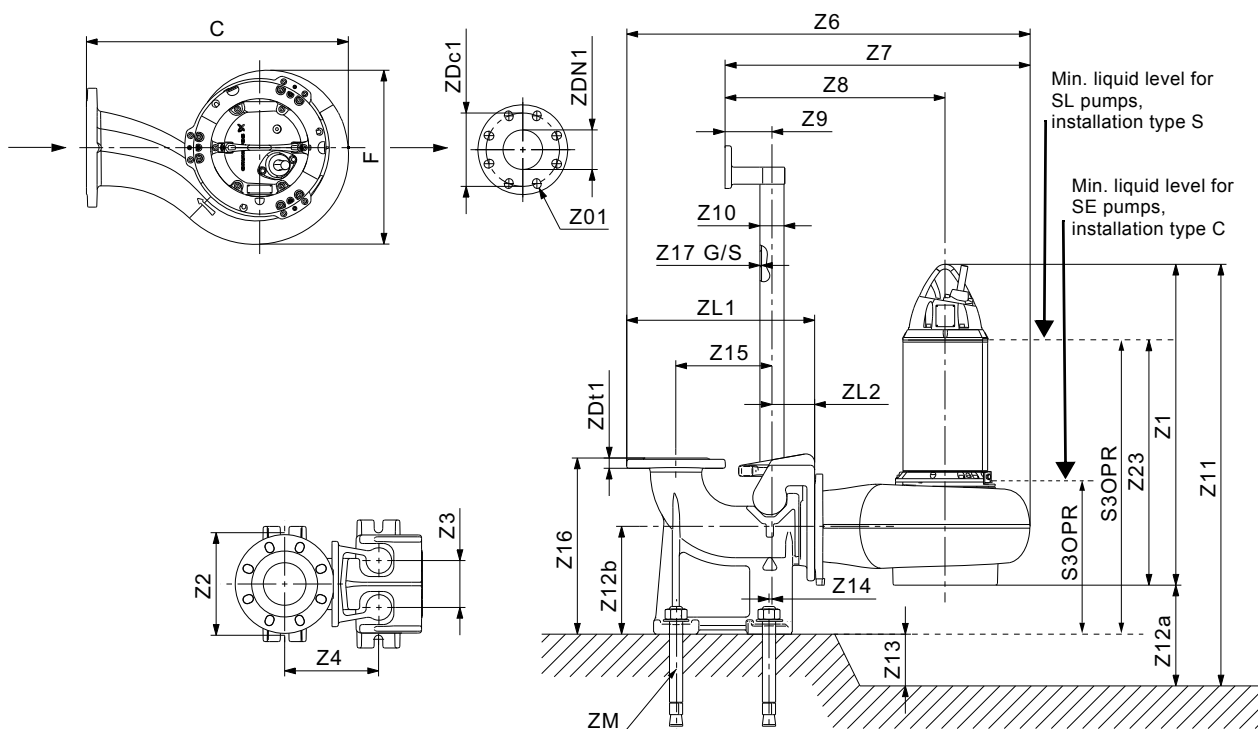
#### Stainless steel

Product number	Size	Dimensions [mm]										
		A	B	C	D	E	F	G	H	I	J	K
96825106	DN 80	345	326.6	171	160	27	27	54	240	220	220	228
96825108	DN 100	413	403	220	220	68	0	68	300	230	260	340.6
96989863	DN 150	450	500.5	280	280	78	0	78	340	300	300	404.6

## Pump installation dimensions

### Submerged installation

#### Installation on Auto coupling



TM05 2579 1319

Fig. 27 Auto coupling dimensions

#### SE1/SE2/SEV (part 1)

Pump type SE1/SE2/SEV	C	F	Z01	Z1	Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z12b
SE1.75.100.130.2.52S.C	476	382	8 x 20	1106	260	110	220	919	693	502	110	60	1206	100	240
SE1.75.100.150.2.52S.C	476	382	8 x 20	1106	260	110	220	919	693	502	110	60	1206	100	240
SE1.75.100.170.2.52S.C	476	382	8 x 20	1106	260	110	220	919	693	502	110	60	1206	100	240
SE1.75.100.185.2.52S.C	476	382	8 x 20	1106	260	110	220	919	693	502	110	60	1206	100	240
SE1.80.100.200.2.52S.C	476	383	8 x 20	1122	260	110	220	919	693	502	110	60	1262	140	240
SE1.80.100.220.2.52S.C	476	383	8 x 20	1122	260	110	220	919	693	502	110	60	1262	140	240
SE1.80.100.240.2.52S.C	476	383	8 x 20	1122	260	110	220	919	693	502	110	60	1262	140	240
SE1.80.100.265.2.52S.C	476	383	8 x 20	1122	260	110	220	919	693	502	110	60	1262	140	240
SE1.85.100.100.4.52H.C	609	462	8 x 20	1126	260	110	220	1052	826	597	110	60	1266	140	240
SE1.85.100.110.4.52H.C	609	462	8 x 20	1126	260	110	220	1052	826	597	110	60	1266	140	240
SE1.85.100.130.4.52H.C	609	462	8 x 20	1126	260	110	220	1052	826	597	110	60	1266	140	240
SE1.85.100.150.4.52H.C	609	462	8 x 20	1126	260	110	220	1052	826	597	110	60	1266	140	240
SE1.95.100.170.4.52H.C	625	495	8 x 20	1126	260	110	220	1068	842	597	110	60	1266	140	240
SE1.95.100.185.4.52H.C	625	495	8 x 20	1126	260	110	220	1068	842	597	110	60	1266	140	240
SE1.95.100.200.4.52H.C	625	495	8 x 20	1126	260	110	220	1068	842	597	110	60	1266	140	240
SE1.95.100.220.4.52H.C	625	495	8 x 20	1126	260	110	220	1068	842	597	110	60	1266	140	240
SE1.85.150.100.4.52H.C	605	454	8x25	1126	300	123	280	1157	844	619	110	89	1246	120	275
SE1.85.150.110.4.52H.C	605	454	8x25	1126	300	123	280	1157	844	619	110	89	1246	120	275
SE1.85.150.130.4.52H.C	605	454	8x25	1126	300	123	280	1157	844	619	110	89	1246	120	275
SE1.85.150.150.4.52H.C	605	454	8x25	1126	300	123	280	1157	844	619	110	89	1246	120	275
SE1.95.150.170.4.52H.C	621	487	8x25	1126	300	123	280	1173	860	619	110	89	1246	120	275
SE1.95.150.185.4.52H.C	621	487	8x25	1126	300	123	280	1173	860	619	110	89	1246	120	275
SE1.95.150.200.4.52H.C	621	487	8x25	1126	300	123	280	1173	860	619	110	89	1246	120	275
SE1.95.150.220.4.52H.C	621	487	8x25	1126	300	123	280	1173	860	619	110	89	1246	120	275
SE1.110.200.100.4.52M.C	756	502	8 x 23	1154	430	200	535	1517	1149	893	170	89	1294	140	196
SE1.110.200.110.4.52M.C	756	502	8 x 23	1154	430	200	535	1517	1149	893	170	89	1294	140	196
SE1.110.200.130.4.52M.C	756	502	8 x 23	1154	430	200	535	1517	1149	893	170	89	1294	140	196
SE1.110.200.150.4.52M.C	756	502	8 x 23	1154	430	200	535	1517	1149	893	170	89	1294	140	196
SE1.110.200.170.4.52M.C	786	561	8 x 23	1153	430	200	535	1547	1179	893	170	89	1293	140	196
SE1.110.200.185.4.52M.C	786	561	8 x 23	1153	430	200	535	1547	1179	893	170	89	1293	140	196
SE1.110.200.200.4.52M.C	786	561	8 x 23	1153	430	200	535	1547	1179	893	170	89	1293	140	196
SE1.110.200.220.4.52M.C	786	561	8 x 23	1153	430	200	535	1547	1179	893	170	89	1293	140	196
SE2.110.250.130.4.52L.C	849	680	12 x 23	1168	471	200	565	1644	1245	896	170	91	1308	140	224



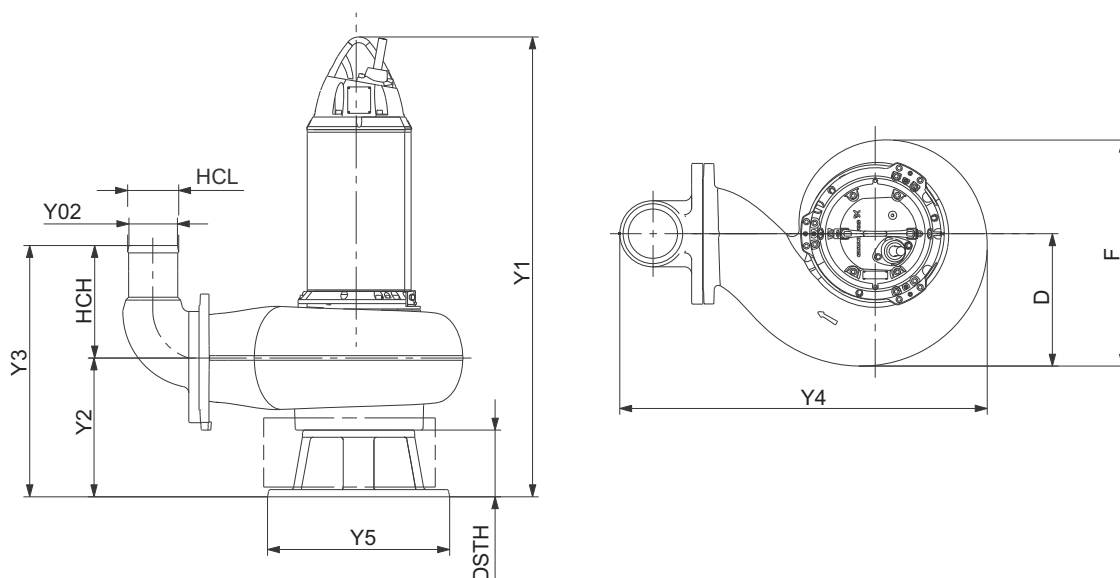


Pump type SL1/SL2/SLV	Z13	Z14	Z15	Z16	Z17G	Z17S	Z23	S3OPR	ZDC1	ZDN1	ZDT1	ZL1	ZL2	ZM
SL1.85.150.110.4.52H.S	18	0	280	450	3	3	874	976	240	DN 150	22	552	129	4 x M16
SL1.85.150.130.4.52H.S	18	0	280	450	3	3	874	976	240	DN 150	22	552	129	4 x M16
SL1.85.150.150.4.52H.S	18	0	280	450	3	3	874	976	240	DN 150	22	552	129	4 x M16
SL1.95.150.170.4.52H.S	18	0	280	450	3	3	875	977	240	DN 150	22	552	129	4 x M16
SL1.95.150.185.4.52H.S	18	0	280	450	3	3	875	977	240	DN 150	22	552	129	4 x M16
SL1.95.150.200.4.52H.S	18	0	280	450	3	3	875	977	240	DN 150	22	552	129	4 x M16
SL1.95.150.220.4.52H.S	18	0	280	450	3	3	875	977	240	DN 150	22	552	129	4 x M16
SL1.110.200.100.4.52M.S	131	86	365	485	3	3	902	911	295	DN 200	31	761	223	4 x M24
SL1.110.200.110.4.52M.S	131	86	365	485	3	3	902	911	295	DN 200	31	761	223	4 x M24
SL1.110.200.130.4.52M.S	131	86	365	485	3	3	902	911	295	DN 200	31	761	223	4 x M24
SL1.110.200.150.4.52M.S	131	86	365	485	3	3	902	911	295	DN 200	31	761	223	4 x M24
SL1.110.200.170.4.52M.S	131	86	365	485	3	3	902	911	295	DN 200	31	761	223	4 x M24
SL1.110.200.185.4.52M.S	131	86	365	485	3	3	902	911	295	DN 200	31	761	223	4 x M24
SL1.110.200.200.4.52M.S	131	86	365	485	3	3	902	911	295	DN 200	31	761	223	4 x M24
SL1.110.200.220.4.52M.S	131	86	365	485	3	3	902	911	295	DN 200	31	761	223	4 x M24
SL2.110.250.100.4.52L.S	113	86	375	545	3	3	917	944	350	DN 250	32	795	226	4 x M24
SL2.110.250.130.4.52L.S	113	86	375	545	3	3	917	944	350	DN 250	32	795	226	4 x M24
SL2.110.250.150.4.52L.S	113	86	375	545	3	3	917	944	350	DN 250	32	795	226	4 x M24
SL2.110.250.170.4.52L.S	113	86	375	545	3	3	919	946	350	DN 250	32	795	226	4 x M24
SL2.125.300.110.6.52E.S	114	95	450	650	3	3	969	995	400	DN 300	32	895	226	4 x M24
SL2.125.300.130.6.52E.S	114	95	450	650	3	3	969	995	400	DN 300	32	895	226	4 x M24
SL2.125.300.160.6.52E.S	114	95	450	650	3	3	969	995	400	DN 300	32	895	226	4 x M24
SL2.125.300.180.6.52E.S	114	95	450	650	3	3	969	995	400	DN 300	32	895	226	4 x M24
SLV.80.80.130.2.52H.S	10	0	220	413	4	4	839	929	180	DN 100	21	463	127	4 x M16
SLV.80.80.150.2.52H.S	10	0	220	413	4	4	839	929	180	DN 100	21	463	127	4 x M16
SLV.80.80.170.2.52H.S	10	0	220	413	4	4	839	929	180	DN 100	21	463	127	4 x M16
SLV.80.80.185.2.52H.S	10	0	220	413	4	4	839	929	180	DN 100	21	463	127	4 x M16
SLV.80.80.200.2.52H.S	10	0	220	413	4	4	839	929	180	DN 100	21	463	127	4 x M16
SLV.80.80.220.2.52H.S	10	0	220	413	4	4	839	929	180	DN 100	21	463	127	4 x M16
SLV.80.80.240.2.52H.S	10	0	220	413	4	4	839	929	180	DN 100	21	463	127	4 x M16
SLV.80.80.265.2.52H.S	10	0	220	413	4	4	839	929	180	DN 100	21	463	127	4 x M16



**Submerged installation**

**Installation on ring stand**



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**Fig. 28** Ring stand dimensions

**SE1/SEV**

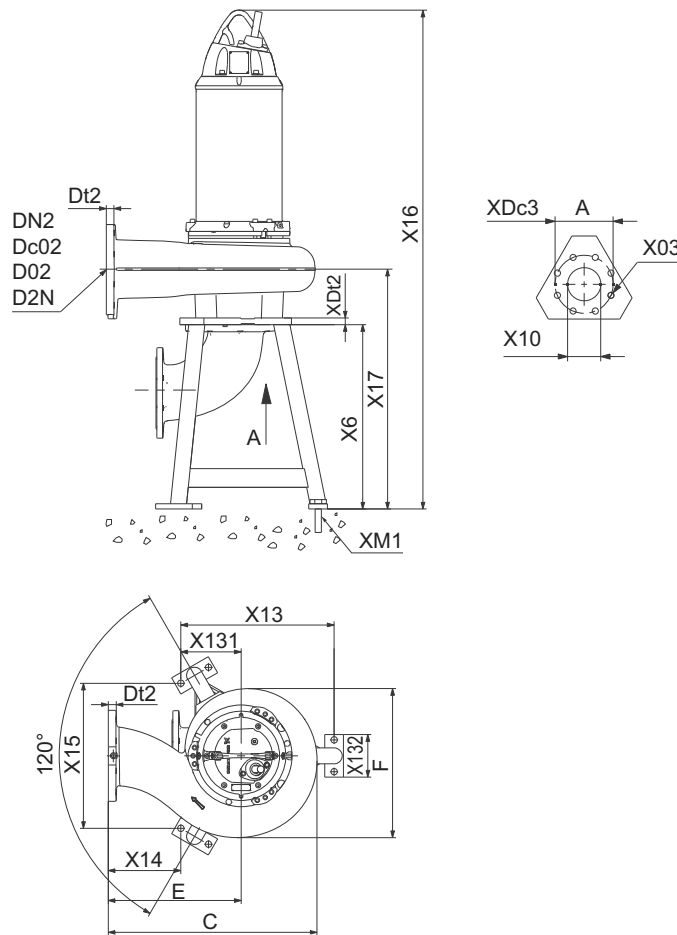
Pump type SE1/SEV	Y02	Y1	Y2	Y3	Y4	Y5	HCH	HCL	DSTH	D	F
SE1.75.100.130.2.52S.C	105	1236	278	455	605	355	177	142	130	190	382
SE1.75.100.150.2.52S.C	105	1236	278	455	605	355	177	142	130	190	382
SE1.75.100.170.2.52S.C	105	1236	278	455	605	355	177	142	130	190	382
SE1.75.100.185.2.52S.C	105	1236	278	455	605	355	177	142	130	190	382
SE1.80.100.200.2.52S.C	105	1252	278	455	605	355	177	142	130	191	383
SE1.80.100.220.2.52S.C	105	1252	278	455	605	355	177	142	130	191	383
SE1.80.100.240.2.52S.C	105	1252	278	455	605	355	177	142	130	191	383
SE1.80.100.265.2.52S.C	105	1252	278	455	605	355	177	142	130	191	383
SE1.85.100.100.4.52H.C	105	1312	370	514	771	450	144	166	186	255	462
SE1.85.100.110.4.52H.C	105	1312	370	514	771	450	144	166	186	255	462
SE1.85.100.130.4.52H.C	105	1312	370	514	771	450	144	166	186	255	462
SE1.85.100.150.4.52H.C	105	1312	370	514	771	450	144	166	186	255	462
SE1.95.100.170.4.52H.C	105	1312	375	519	771	450	144	166	186	271	495
SE1.95.100.185.4.52H.C	105	1312	375	519	771	450	144	166	186	271	495
SE1.95.100.200.4.52H.C	105	1312	375	519	771	450	144	166	186	271	495
SE1.95.100.220.4.52H.C	105	1312	375	519	771	450	144	166	186	271	495
SE1.85.150.100.4.52H.C	150	1312	359	632	867	450	273	262	186	251	454
SE1.85.150.110.4.52H.C	150	1312	359	632	867	450	273	262	186	251	454
SE1.85.150.130.4.52H.C	150	1312	359	632	867	450	273	262	186	251	454
SE1.85.150.150.4.52H.C	150	1312	359	632	867	450	273	262	186	251	454
SE1.95.150.170.4.52H.C	150	1312	359	632	867	450	273	262	186	267	487
SE1.95.150.185.4.52H.C	150	1312	359	632	867	450	273	262	186	267	487
SE1.95.150.200.4.52H.C	150	1312	359	632	867	450	273	262	186	267	487
SE1.95.150.220.4.52H.C	150	1312	359	632	867	450	273	262	186	267	487
SE1.110.200.100.4.52M.C	205	1314	347	782	1193	550	435	418	160	278	502
SE1.110.200.110.4.52M.C	205	1314	347	782	1193	550	435	418	160	278	502
SE1.110.200.130.4.52M.C	205	1314	347	782	1193	550	435	418	160	278	502
SE1.110.200.150.4.52M.C	205	1314	347	782	1193	550	435	418	160	278	502
SE1.110.200.170.4.52M.C	205	1313	347	782	1193	550	435	418	160	308	561
SE1.110.200.185.4.52M.C	205	1313	347	782	1193	550	435	418	160	308	561
SE1.110.200.200.4.52M.C	205	1313	347	782	1193	550	435	418	160	308	561
SE1.110.200.220.4.52M.C	205	1313	347	782	1193	550	435	418	160	308	561
SEV.80.80.130.2.52H.C	79	1220	280	454	626	355	174	118	130	197	394
SEV.80.80.150.2.52H.C	79	1220	280	454	626	355	174	118	130	197	394
SEV.80.80.170.2.52H.C	79	1220	280	454	626	355	174	118	130	197	394
SEV.80.80.185.2.52H.C	79	1220	280	454	626	355	174	118	130	197	394
SEV.80.80.200.2.52H.C	79	1220	280	454	626	355	174	118	130	197	394
SEV.80.80.220.2.52H.C	79	1220	280	454	626	355	174	118	130	197	394
SEV.80.80.240.2.52H.C	79	1220	280	454	626	355	174	118	130	197	394
SEV.80.80.265.2.52H.C	79	1220	280	454	626	355	174	118	130	197	394

## SL1/SLV

Pump type SL1/SLV	Y02	Y1	Y2	Y3	Y4	Y5	HCH	HCL	DSTH	D	F
SL1.75.100.130.2.52S.S	105	1236	278	455	605	355	177	142	130	190	382
SL1.75.100.150.2.52S.S	105	1236	278	455	605	355	177	142	130	190	382
SL1.75.100.170.2.52S.S	105	1236	278	455	605	355	177	142	130	190	382
SL1.75.100.185.2.52S.S	105	1236	278	455	605	355	177	142	130	190	382
SL1.80.100.200.2.52S.S	105	1252	278	455	605	355	177	142	130	191	383
SL1.80.100.220.2.52S.S	105	1252	278	455	605	355	177	142	130	191	383
SL1.80.100.240.2.52S.S	105	1252	278	455	605	355	177	142	130	191	383
SL1.80.100.265.2.52S.S	105	1252	278	455	605	355	177	142	130	191	383
SL1.85.100.100.4.52H.S	105	1312	370	514	771	450	144	166	186	255	462
SL1.85.100.110.4.52H.S	105	1312	370	514	771	450	144	166	186	255	462
SL1.85.100.130.4.52H.S	105	1312	370	514	771	450	144	166	186	255	462
SL1.85.100.150.4.52H.S	105	1312	370	514	771	450	144	166	186	255	462
SL1.95.100.170.4.52H.S	105	1312	375	519	771	450	144	166	186	271	495
SL1.95.100.185.4.52H.S	105	1312	375	519	771	450	144	166	186	271	495
SL1.95.100.200.4.52H.S	105	1312	375	519	771	450	144	166	186	271	495
SL1.95.100.220.4.52H.S	105	1312	375	519	771	450	144	166	186	271	495
SL1.85.150.100.4.52H.S	150	1312	359	632	867	450	273	262	186	251	454
SL1.85.150.110.4.52H.S	150	1312	359	632	867	450	273	262	186	251	454
SL1.85.150.130.4.52H.S	150	1312	359	632	867	450	273	262	186	251	454
SL1.85.150.150.4.52H.S	150	1312	359	632	867	450	273	262	186	251	454
SL1.95.150.170.4.52H.S	150	1312	359	632	867	450	273	262	186	267	487
SL1.95.150.185.4.52H.S	150	1312	359	632	867	450	273	262	186	267	487
SL1.95.150.200.4.52H.S	150	1312	359	632	867	450	273	262	186	267	487
SL1.95.150.220.4.52H.S	150	1312	359	632	867	450	273	262	186	267	487
SL1.110.200.100.4.52M.S	205	1314	347	782	1193	550	435	418	160	278	502
SL1.110.200.110.4.52M.S	205	1314	347	782	1193	550	435	418	160	278	502
SL1.110.200.130.4.52M.S	205	1314	347	782	1193	550	435	418	160	278	502
SL1.110.200.150.4.52M.S	205	1314	347	782	1193	550	435	418	160	278	502
SL1.110.200.170.4.52M.S	205	1313	347	782	1193	550	435	418	160	308	561
SL1.110.200.185.4.52M.S	205	1313	347	782	1193	550	435	418	160	308	561
SL1.110.200.200.4.52M.S	205	1313	347	782	1193	550	435	418	160	308	561
SL1.110.200.220.4.52M.S	205	1313	347	782	1193	550	435	418	160	308	561
SLV.80.80.130.2.52H.S	79	1220	280	454	626	355	174	118	130	197	394
SLV.80.80.150.2.52H.S	79	1220	280	454	626	355	174	118	130	197	394
SLV.80.80.170.2.52H.S	79	1220	280	454	626	355	174	118	130	197	394
SLV.80.80.185.2.52H.S	79	1220	280	454	626	355	174	118	130	197	394
SLV.80.80.200.2.52H.S	79	1220	280	454	626	355	174	118	130	197	394
SLV.80.80.220.2.52H.S	79	1220	280	454	626	355	174	118	130	197	394
SLV.80.80.240.2.52H.S	79	1220	280	454	626	355	174	118	130	197	394
SLV.80.80.265.2.52H.S	79	1220	280	454	626	355	174	118	130	197	394

**Dry, vertical installation**

**Installation on vertical base stand**



**Fig. 29** Vertical base stand dimensions

TM06 5241 1419

**SE1 (part 1)**

Pump type SE1	C	E	F	X6	X10	X13	X14	X15	X16
SE1.75.100.130.2.52S.C	476	285	382	443	DN 100	405	150	468	1549
SE1.75.100.150.2.52S.C	476	285	382	443	DN 100	405	150	468	1549
SE1.75.100.170.2.52S.C	476	285	382	443	DN 100	405	150	468	1549
SE1.75.100.185.2.52S.C	476	285	382	443	DN 100	405	150	468	1549
SE1.80.100.200.2.52S.C	476	285	383	443	DN 100	405	150	468	1565
SE1.80.100.220.2.52S.C	476	285	383	443	DN 100	405	150	468	1565
SE1.80.100.240.2.52S.C	476	285	383	443	DN 100	405	150	468	1565
SE1.80.100.265.2.52S.C	476	285	383	443	DN 100	405	150	468	1565
SE1.85.100.100.4.52H.C	609	380	462	621	DN 150	450	230	520	1747
SE1.85.100.110.4.52H.C	609	380	462	621	DN 150	450	230	520	1747
SE1.85.100.130.4.52H.C	609	380	462	621	DN 150	450	230	520	1747
SE1.85.100.150.4.52H.C	609	380	462	621	DN 150	450	230	520	1747
SE1.95.100.170.4.52H.C	625	380	495	621	DN 150	450	230	520	1747
SE1.95.100.185.4.52H.C	625	380	495	621	DN 150	450	230	520	1747
SE1.95.100.200.4.52H.C	625	380	495	621	DN 150	450	230	520	1747
SE1.95.100.220.4.52H.C	625	380	495	621	DN 150	450	230	520	1747
SE1.85.150.100.4.52H.C	605	380	454	621	DN 150	450	230	520	1747
SE1.85.150.110.4.52H.C	605	380	454	621	DN 150	450	230	520	1747
SE1.85.150.130.4.52H.C	605	380	454	621	DN 150	450	230	520	1747
SE1.85.150.150.4.52H.C	605	380	454	621	DN 150	450	230	520	1747
SE1.95.150.170.4.52H.C	621	380	487	621	DN 150	450	230	520	1747
SE1.95.150.185.4.52H.C	621	380	487	621	DN 150	450	230	520	1747
SE1.95.150.200.4.52H.C	621	380	487	621	DN 150	450	230	520	1747
SE1.95.150.220.4.52H.C	621	380	487	621	DN 150	450	230	520	1747
SE1.110.200.100.4.52M.C	756	500	502	719	DN 200	525	325	606	1873
SE1.110.200.110.4.52M.C	756	500	502	719	DN 200	525	325	606	1873
SE1.110.200.130.4.52M.C	756	500	502	719	DN 200	525	325	606	1873

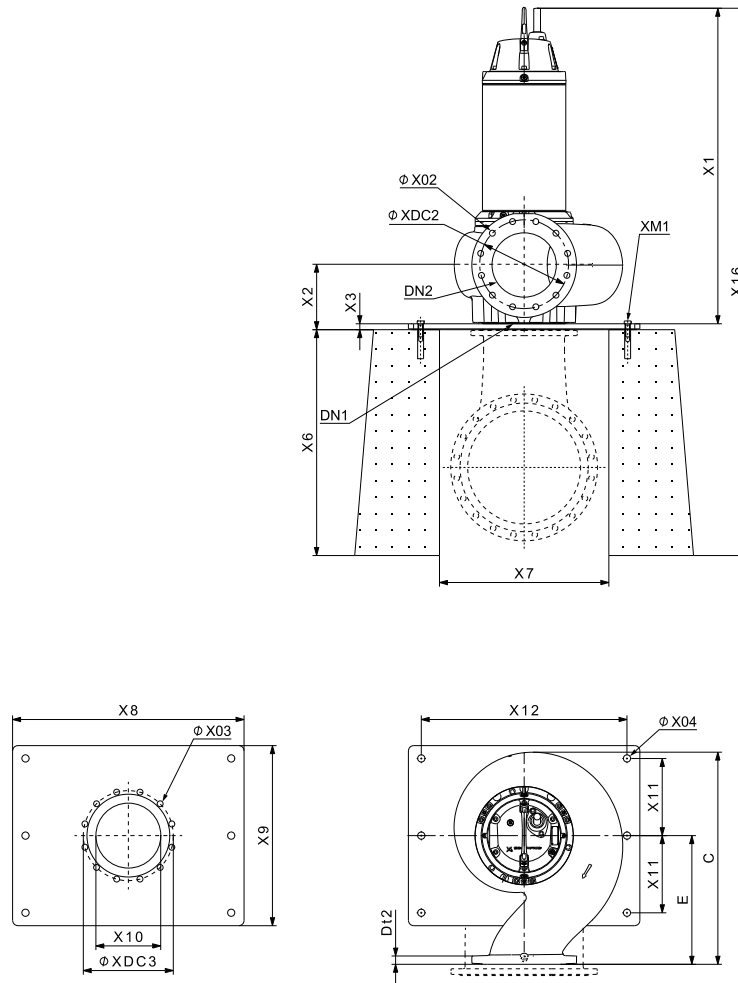
Pump type SE1	C	E	F	X6	X10	X13	X14	X15	X16
SE1.110.200.150.4.52M.C	756	500	502	719	DN 200	525	325	606	1873
SE1.110.200.170.4.52M.C	786	500	561	719	DN 200	525	325	606	1872
SE1.110.200.185.4.52M.C	786	500	561	719	DN 200	525	325	606	1872
SE1.110.200.200.4.52M.C	786	500	561	719	DN 200	525	325	606	1872
SE1.110.200.220.4.52M.C	786	500	561	719	DN 200	525	325	606	1872

**SE1 (part 2)**

Pump type SE1	X17	X131	X132	XDt2	XDc3	X03	Dt2	DN2	XM1
SE1.75.100.130.2.52S.C	591	135	0	22	180	19	25	DN 100	M20 x 3
SE1.75.100.150.2.52S.C	591	135	0	22	180	19	25	DN 100	M20 x 3
SE1.75.100.170.2.52S.C	591	135	0	22	180	19	25	DN 100	M20 x 3
SE1.75.100.185.2.52S.C	591	135	0	22	180	19	25	DN 100	M20 x 3
SE1.80.100.200.2.52S.C	591	135	0	22	180	19	25	DN 100	M20 x 3
SE1.80.100.220.2.52S.C	591	135	0	22	180	19	25	DN 100	M20 x 3
SE1.80.100.240.2.52S.C	591	135	0	22	180	19	25	DN 100	M20 x 3
SE1.80.100.265.2.52S.C	591	135	0	22	180	19	25	DN 100	M20 x 3
SE1.85.100.100.4.52H.C	805	150	120	24	240	24	24	DN 100	M20 x 6
SE1.85.100.110.4.52H.C	805	150	120	24	240	24	24	DN 100	M20 x 6
SE1.85.100.130.4.52H.C	805	150	120	24	240	24	24	DN 100	M20 x 6
SE1.85.100.150.4.52H.C	805	150	120	24	240	24	24	DN 100	M20 x 6
SE1.95.100.170.4.52H.C	810	150	120	24	240	24	24	DN 100	M20 x 6
SE1.95.100.185.4.52H.C	810	150	120	24	240	24	24	DN 100	M20 x 6
SE1.95.100.200.4.52H.C	810	150	120	24	240	24	24	DN 100	M20 x 6
SE1.95.100.220.4.52H.C	810	150	120	24	240	24	24	DN 100	M20 x 6
SE1.85.150.100.4.52H.C	794	150	120	24	240	24	27	DN 150	M20 x 6
SE1.85.150.110.4.52H.C	794	150	120	24	240	24	27	DN 150	M20 x 6
SE1.85.150.130.4.52H.C	794	150	120	24	240	24	27	DN 150	M20 x 6
SE1.85.150.150.4.52H.C	794	150	120	24	240	24	27	DN 150	M20 x 6
SE1.95.150.170.4.52H.C	794	150	120	24	240	24	27	DN 150	M20 x 6
SE1.95.150.185.4.52H.C	794	150	120	24	240	24	27	DN 150	M20 x 6
SE1.95.150.200.4.52H.C	794	150	120	24	240	24	27	DN 150	M20 x 6
SE1.95.150.220.4.52H.C	794	150	120	24	240	24	27	DN 150	M20 x 6
SE1.110.200.100.4.52M.C	906	175	120	26	295	24	30	DN 200	M20 x 6
SE1.110.200.110.4.52M.C	906	175	120	26	295	24	30	DN 200	M20 x 6
SE1.110.200.130.4.52M.C	906	175	120	26	295	24	30	DN 200	M20 x 6
SE1.110.200.150.4.52M.C	906	175	120	26	295	24	30	DN 200	M20 x 6
SE1.110.200.170.4.52M.C	906	175	120	26	295	24	30	DN 200	M20 x 6
SE1.110.200.185.4.52M.C	906	175	120	26	295	24	30	DN 200	M20 x 6
SE1.110.200.200.4.52M.C	906	175	120	26	295	24	30	DN 200	M20 x 6
SE1.110.200.220.4.52M.C	906	175	120	26	295	24	30	DN 200	M20 x 6

**Dry, vertical installation**

**Installation on concrete foundation**



**Fig. 30** Concrete foundation dimensions

**SE2 (part 1)**

Pump type SE2	C	E	X02	X03	X04	X1	X2	X3	X6	X7	X8
SE2.110.250.130.4.52L.D	849	500	23	23	28	1168	220	23	700	500	900
SE2.110.250.150.4.52L.D	849	500	23	23	28	1168	220	23	700	500	900
SE2.110.250.170.4.52L.D	849	500	23	23	28	1168	220	23	700	500	900
SE2.110.250.185.4.52L.D	849	500	23	23	28	1168	220	23	700	500	900
SE2.110.250.200.4.52L.D	849	500	23	23	28	1168	220	23	700	500	900
SE2.110.250.220.4.52L.D	849	500	23	23	28	1168	220	23	700	500	900
SE2.125.300.110.6.52E.D	950	600	25	23	28	1220	253	23	800	600	900
SE2.125.300.130.6.52E.D	950	600	25	23	28	1220	253	23	800	600	900
SE2.125.300.160.6.52E.D	981	600	25	23	28	1220	253	23	800	600	900
SE2.125.300.180.6.52E.D	981	600	25	23	28	1220	253	23	800	600	900

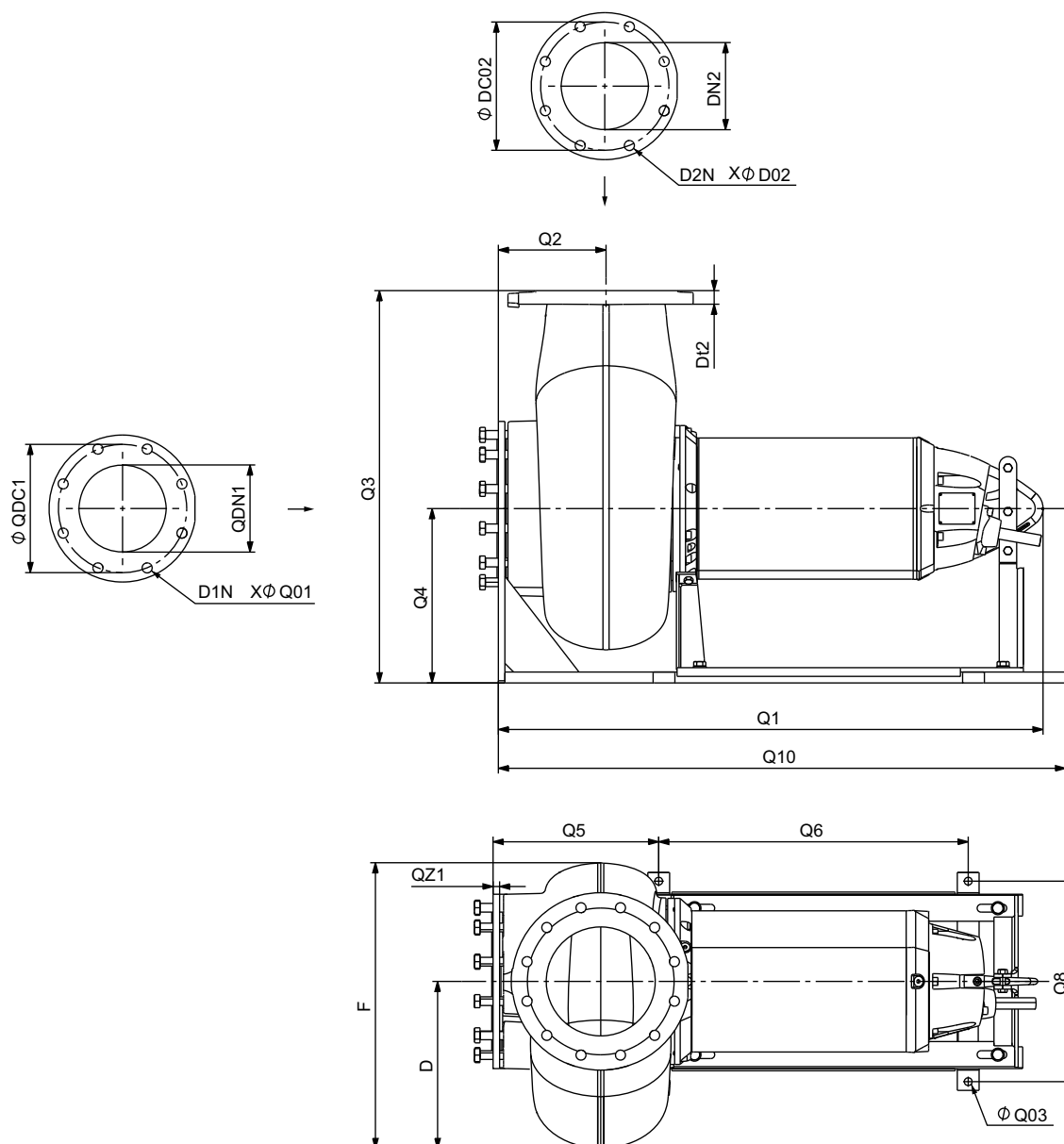
**SE2 (part 2)**

Pump type SE2	X9	X10	X11	X12	X16	XDC3	DN1	DN2	XDC2	Dt2	XM1
SE2.110.250.130.4.52L.D	700	DN 250	300	800	1891	350	DN 250	DN 250	350	32	M24 x 6
SE2.110.250.150.4.52L.D	700	DN 250	300	800	1891	350	DN 250	DN 250	350	32	M24 x 6
SE2.110.250.170.4.52L.D	700	DN 250	300	800	1891	350	DN 250	DN 250	350	32	M24 x 6
SE2.110.250.185.4.52L.D	700	DN 250	300	800	1891	350	DN 250	DN 250	350	32	M24 x 6
SE2.110.250.200.4.52L.D	700	DN 250	300	800	1891	350	DN 250	DN 250	350	32	M24 x 6
SE2.110.250.220.4.52L.D	700	DN 250	300	800	1891	350	DN 250	DN 250	350	32	M24 x 6
SE2.125.300.110.6.52E.D	700	DN 300	300	800	2043	400	DN 300	DN 300	400	33	M24 x 6
SE2.125.300.130.6.52E.D	700	DN 300	300	800	2043	400	DN 300	DN 300	400	33	M24 x 6
SE2.125.300.160.6.52E.D	700	DN 300	300	800	2043	400	DN 300	DN 300	400	33	M24 x 6
SE2.125.300.180.6.52E.D	700	DN 300	300	800	2043	400	DN 300	DN 300	400	33	M24 x 6

TM05 7989 2217

## Dry, horizontal installation

## Installation on horizontal base stand



TM05 2580 0219

Fig. 31 Horizontal base stand dimensions

## SE1/SE2/SEV (part 1)

Pump type SE1/SE2/SEV	D	F	Q1	Q2	Q3	Q4	Q5	Q6	Q8	Q10	QZ1
SE1.75.100.130.2.52S.H	190	382	1124	166	685	400	380	710	460	1275	18
SE1.75.100.150.2.52S.H	190	382	1124	166	685	400	380	710	460	1275	18
SE1.75.100.170.2.52S.H	190	382	1124	166	685	400	380	710	460	1275	18
SE1.75.100.185.2.52S.H	190	382	1124	166	685	400	380	710	460	1275	18
SE1.80.100.200.2.52S.H	191	383	1140	166	685	400	380	710	460	1275	18
SE1.80.100.220.2.52S.H	191	383	1140	166	685	400	380	710	460	1275	18
SE1.80.100.240.2.52S.H	191	383	1140	166	685	400	380	710	460	1275	18
SE1.80.100.265.2.52S.H	191	383	1140	166	685	400	380	710	460	1275	18
SE1.85.100.100.4.52H.H	255	462	1144	202	780	400	380	710	460	1275	18
SE1.85.100.110.4.52H.H	255	462	1144	202	780	400	380	710	460	1275	18
SE1.85.100.130.4.52H.H	255	462	1144	202	780	400	380	710	460	1275	18
SE1.85.100.150.4.52H.H	255	462	1144	202	780	400	380	710	460	1275	18
SE1.95.100.170.4.52H.H	271	495	1144	207	780	400	380	710	460	1275	18
SE1.95.100.185.4.52H.H	271	495	1144	207	780	400	380	710	460	1275	18
SE1.95.100.200.4.52H.H	271	495	1144	207	780	400	380	710	460	1275	18
SE1.95.100.220.4.52H.H	271	495	1144	207	780	400	380	710	460	1275	18

Pump type SE1/SE2/SEV	D	F	Q1	Q2	Q3	Q4	Q5	Q6	Q8	Q10	QZ1
SE1.85.150.100.4.52H.H	251	454	1144	191	780	400	380	710	460	1275	18
SE1.85.150.110.4.52H.H	251	454	1144	191	780	400	380	710	460	1275	18
SE1.85.150.130.4.52H.H	251	454	1144	191	780	400	380	710	460	1275	18
SE1.85.150.150.4.52H.H	251	454	1144	191	780	400	380	710	460	1275	18
SE1.95.150.170.4.52H.H	267	487	1144	191	780	400	380	710	460	1275	18
SE1.95.150.185.4.52H.H	267	487	1144	191	780	400	380	710	460	1275	18
SE1.95.150.200.4.52H.H	267	487	1144	191	780	400	380	710	460	1275	18
SE1.95.150.220.4.52H.H	267	487	1144	191	780	400	380	710	460	1275	18
SE1.110.200.100.4.52M.H	278	502	1172	205	900	400	380	710	460	1275	18
SE1.110.200.110.4.52M.H	278	502	1172	205	900	400	380	710	460	1275	18
SE1.110.200.130.4.52M.H	278	502	1172	205	900	400	380	710	460	1275	18
SE1.110.200.150.4.52M.H	278	502	1172	205	900	400	380	710	460	1275	18
SE1.110.200.170.4.52M.H	308	561	1171	205	900	400	380	710	460	1275	18
SE1.110.200.185.4.52M.H	308	561	1171	205	900	400	380	710	460	1275	18
SE1.110.200.200.4.52M.H	308	561	1171	205	900	400	380	710	460	1275	18
SE1.110.200.220.4.52M.H	308	561	1171	205	900	400	380	710	460	1275	18
SE2.110.250.130.4.52L.H	394	680	1186	215	900	400	380	710	460	1275	18
SE2.110.250.150.4.52L.H	394	680	1186	215	900	400	380	710	460	1275	18
SE2.110.250.170.4.52L.H	394	680	1186	215	900	400	380	710	460	1275	18
SE2.110.250.185.4.52L.H	394	680	1186	215	900	400	380	710	460	1275	18
SE2.110.250.200.4.52L.H	394	680	1186	215	900	400	380	710	460	1275	18
SE2.110.250.220.4.52L.H	394	680	1186	215	900	400	380	710	460	1275	18
SE2.125.300.110.6.52E.H	407	693	1238	248	1000	400	380	710	460	1275	18
SE2.125.300.130.6.52E.H	407	693	1238	248	1000	400	380	710	460	1275	18
SE2.125.300.160.6.52E.H	443	754	1238	248	1000	400	380	710	460	1275	18
SE2.125.300.180.6.52E.H	443	754	1238	248	1000	400	380	710	460	1275	18
SEV.80.80.130.2.52H.H	197	394	1108	168	730	400	380	710	460	1275	18
SEV.80.80.150.2.52H.H	197	394	1108	168	730	400	380	710	460	1275	18
SEV.80.80.170.2.52H.H	197	394	1108	168	730	400	380	710	460	1275	18
SEV.80.80.185.2.52H.H	197	394	1108	168	730	400	380	710	460	1275	18
SEV.80.80.200.2.52H.H	197	394	1108	168	730	400	380	710	460	1275	18
SEV.80.80.220.2.52H.H	197	394	1108	168	730	400	380	710	460	1275	18
SEV.80.80.240.2.52H.H	197	394	1108	168	730	400	380	710	460	1275	18
SEV.80.80.265.2.52H.H	197	394	1108	168	730	400	380	710	460	1275	18

## SE1/SE2/SEV (part 2)

Pump type SE1/SE2/SEV	QDc1	QDN1	Q01	D1N	D02	D2N	Dc02	DN2	Dt2	Q03
SE1.75.100.130.2.52S.H	180	DN 100	M16	8	19	8	180	DN 100	25	18
SE1.75.100.150.2.52S.H	180	DN 100	M16	8	19	8	180	DN 100	25	18
SE1.75.100.170.2.52S.H	180	DN 100	M16	8	19	8	180	DN 100	25	18
SE1.75.100.185.2.52S.H	180	DN 100	M16	8	19	8	180	DN 100	25	18
SE1.80.100.200.2.52S.H	180	DN 100	M16	8	18	8	180	DN 100	25	18
SE1.80.100.220.2.52S.H	180	DN 100	M16	8	18	8	180	DN 100	25	18
SE1.80.100.240.2.52S.H	180	DN 100	M16	8	18	8	180	DN 100	25	18
SE1.80.100.265.2.52S.H	180	DN 100	M16	8	18	8	180	DN 100	25	18
SE1.85.100.100.4.52H.H	240	DN 150	M20	8	19	8	180	DN 100	24	18
SE1.85.100.110.4.52H.H	240	DN 150	M20	8	19	8	180	DN 100	24	18
SE1.85.100.130.4.52H.H	240	DN 150	M20	8	19	8	180	DN 100	24	18
SE1.85.100.150.4.52H.H	240	DN 150	M20	8	19	8	180	DN 100	24	18
SE1.95.100.170.4.52H.H	240	DN 150	M20	8	19	8	180	DN 100	24	18
SE1.95.100.185.4.52H.H	240	DN 150	M20	8	19	8	180	DN 100	24	18
SE1.95.100.200.4.52H.H	240	DN 150	M20	8	19	8	180	DN 100	24	18
SE1.95.100.220.4.52H.H	240	DN 150	M20	8	19	8	180	DN 100	24	18
SE1.85.150.100.4.52H.H	240	DN 150	M20	8	23	8	240	DN 150	27	18
SE1.85.150.110.4.52H.H	240	DN 150	M20	8	23	8	240	DN 150	27	18
SE1.85.150.130.4.52H.H	240	DN 150	M20	8	23	8	240	DN 150	27	18
SE1.85.150.150.4.52H.H	240	DN 150	M20	8	23	8	240	DN 150	27	18
SE1.95.150.170.4.52H.H	240	DN 150	M20	8	23	8	240	DN 150	27	18
SE1.95.150.185.4.52H.H	240	DN 150	M20	8	23	8	240	DN 150	27	18
SE1.95.150.200.4.52H.H	240	DN 150	M20	8	23	8	240	DN 150	27	18
SE1.95.150.220.4.52H.H	240	DN 150	M20	8	23	8	240	DN 150	27	18
SE1.110.200.100.4.52M.H	297	DN 200	M20	8	23	8	297	DN 200	30	18
SE1.110.200.110.4.52M.H	297	DN 200	M20	8	23	8	297	DN 200	30	18
SE1.110.200.130.4.52M.H	297	DN 200	M20	8	23	8	297	DN 200	30	18
SE1.110.200.150.4.52M.H	297	DN 200	M20	8	23	8	297	DN 200	30	18
SE1.110.200.170.4.52M.H	295	DN 200	M20	8	23	8	295	DN 200	30	18
SE1.110.200.185.4.52M.H	295	DN 200	M20	8	23	8	295	DN 200	30	18
SE1.110.200.200.4.52M.H	295	DN 200	M20	8	23	8	295	DN 200	30	18
SE1.110.200.220.4.52M.H	295	DN 200	M20	8	23	8	295	DN 200	30	18
SE2.110.250.130.4.52L.H	350	DN 250	M20	12	23	12	350	DN 250	32	18
SE2.110.250.150.4.52L.H	350	DN 250	M20	12	23	12	350	DN 250	32	18
SE2.110.250.170.4.52L.H	350	DN 250	M20	12	23	12	350	DN 250	32	18
SE2.110.250.185.4.52L.H	350	DN 250	M20	12	23	12	350	DN 250	32	18
SE2.110.250.200.4.52L.H	350	DN 250	M20	12	23	12	350	DN 250	32	18
SE2.110.250.220.4.52L.H	350	DN 250	M20	12	23	12	350	DN 250	32	18
SE2.125.300.110.6.52E.H	400	DN 300	M20	12	25	12	400	DN 300	33	18
SE2.125.300.130.6.52E.H	400	DN 300	M20	12	25	12	400	DN 300	33	18
SE2.125.300.160.6.52E.H	400	DN 300	M20	12	25	12	400	DN 300	33	18
SE2.125.300.180.6.52E.H	400	DN 300	M20	12	25	12	400	DN 300	33	18
SEV.80.80.130.2.52H.H	180	DN 100	M16	8	18	8	160	DN 80	25	18
SEV.80.80.150.2.52H.H	180	DN 100	M16	8	18	8	160	DN 80	25	18
SEV.80.80.170.2.52H.H	180	DN 100	M16	8	18	8	160	DN 80	25	18
SEV.80.80.185.2.52H.H	180	DN 100	M16	8	18	8	160	DN 80	25	18
SEV.80.80.200.2.52H.H	180	DN 100	M16	8	18	8	160	DN 80	25	18
SEV.80.80.220.2.52H.H	180	DN 100	M16	8	18	8	160	DN 80	25	18
SEV.80.80.240.2.52H.H	180	DN 100	M16	8	18	8	160	DN 80	25	18
SEV.80.80.265.2.52H.H	180	DN 100	M16	8	18	8	160	DN 80	25	18



## 13. Grundfos Product Center

Online search and sizing tool to help you make the right choice.

<http://product-selection.grundfos.com>



This drop-down menu enables you to set the search function to "Products" or "Literature".

"SIZING" enables you to size a pump based on entered data and selection choices.

"REPLACEMENT" enables you to find a replacement product. Search results will include information on the following:

- the lowest purchase price
- the lowest energy consumption
- the lowest total life cycle cost.

The screenshot shows the Grundfos Product Center website. At the top, there is a navigation bar with the Grundfos logo and 'PRODUCT CENTER'. Below this is a search bar with a dropdown menu set to 'Products'. The main content area features four large buttons: 'Sizing', 'Catalogue', 'Replacement', and 'Liquids'. Below these buttons is a 'Quick sizing' section with input fields for 'Flow (Q)\*' and 'Head (H)\*', and radio buttons for 'Size by application', 'Size by pump design', and 'Size by pump family'. A 'START SIZING' button is located at the bottom right of the quick sizing section.

"CATALOGUE" gives you access to the Grundfos product catalogue.

"LIQUIDS" enables you to find pumps designed for aggressive, flammable or other special liquids.

### All the information you need in one place

Performance curves, technical specifications, pictures, dimensional drawings, motor curves, wiring diagrams, spare parts, service kits, 3D drawings, documents, system parts. The Product Center displays any recent and saved items - including complete projects - right on the main page.

### Downloads

On the product pages, you can download installation and operating instructions, data booklets, service instructions, etc. in PDF format.





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