

*Versatile, really robust and
definitely reliable*



We move SOLIDS

Ni-HARD Series
Submersible Slurry Pumps
Datasheet

MBH[®]
PUMPS

Waste Water Handling is simple for us



Why Submersible ?

The submersible concept offers numerous benefits over dry-mounted pumps. As it doesn't require any support superstructure, it requires less space for operation and is very easy to install. Being submersible means its flood-proof. Operating underwater also means quiet operation. On top of that, the time for maintenance can be greatly reduced.

The Ni-Hard Series Submersible pumps are made to operate over the complete pump curve, not just one specific duty point. This means that the pump can be used in numerous applications within its range, instead of being "one pump-one application".

Ni-HARD Series Submersible Slurry Pumps

Technical Specifications :

Head	: up to 50 meters
Flow	: 420 m ³ /hr
Solid content by weight	: 65%
Specific gravity	: 2.8 kg/l
Particle size	: 40 mm
RPM	: 1750 / 3550
Frequency	: 50 / 60 Hz

Applications

- **Coal mines and washery**
- **Steel plant:** Steel continuous casting & hot rolling mills; Slag granulation; Beneficiation plant; SMS
- **Power:** Coal Handling plant; Ash handling plant; Balance of plant
- **River cleaning:** Dredging
- **Minerals processing:** Smelters
- **Hydro power:** Turbine sumps; Sump cleaning
- **Mining:** Coal; Manganese; Zinc; Iron Ore; Nickel; Gold; Gypsum; Silica
- **Tunneling and construction:** Dewatering and piling





Design

Bearings: The bearing arrangements with double angular contact ball bearings with deep groove ball bearings give the best resistance to the radial and axial thrust load combination & generously oversized to give extended life when pumping high specific gravity slurries.

Moisture Detection Probe: The moisture detector indicates any moisture penetration into the motor.

Thermal Motor Protection: Built-in temperature sensors enable tripping of the motor if the temperature rises above 110 deg. C and restarts at 90 deg. C, giving complete dry run protection.

Double Mechanical Seals: All "MBH" pumps have as standard equipment double mechanical seals which seal off the motor from the pump section. The seal has seal faces made from silicon carbide for long life. The design of the oil chamber ensures efficient cooling of the seals.

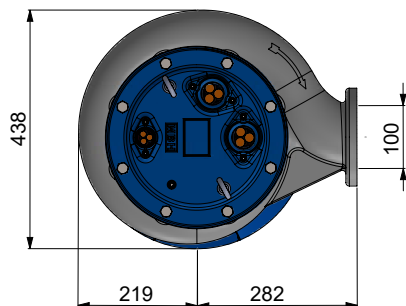
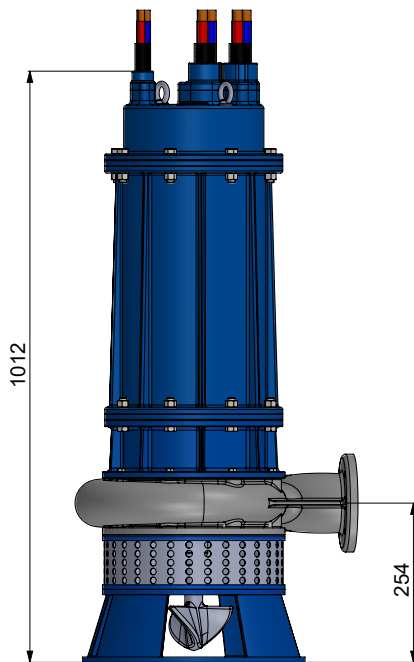
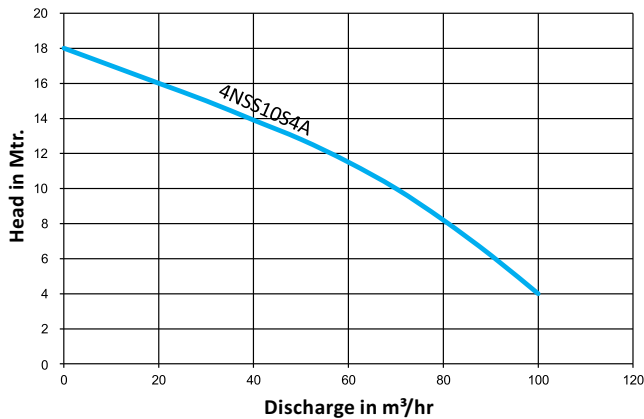
Shaft with Rotor: Rotor is designed with two cage such that it take care of starting torque to handle thick slurry and A shaft with a die-cast rotor on the motor side and a shaft protection sleeve on the pump side, ensures better life for the shaft. The compact seal arrangement has minimised shaft over-hang and consequently minimises shaft deflection.

Wet Parts: Wet parts like volute, impeller & agitator are of Ni-hard or SS 316 depend on slurry to be handled & impeller is open type such that there is no chance to block the pump.

Cable: The cable has a special triple protection with waterproof insulation as such is much more resistant against damage. The IP68 rated cable gland seals against both the inner and outer sheaths. It is almost impossible for water to ingress to the electrical connections.



Handy



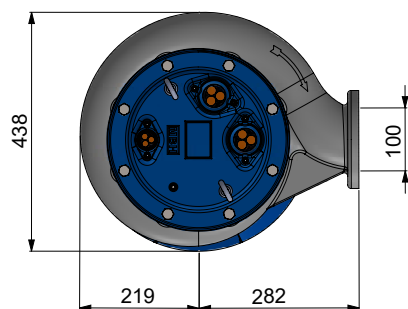
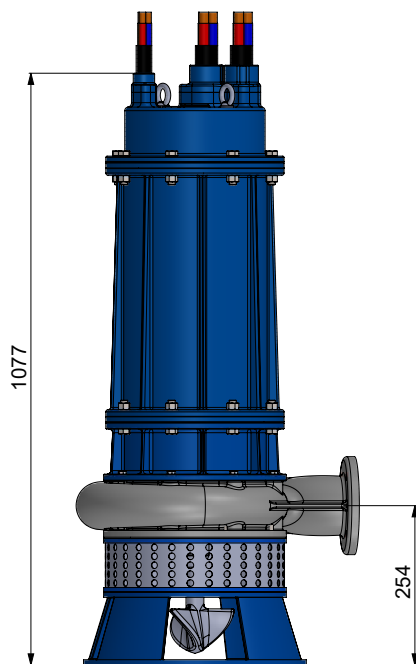
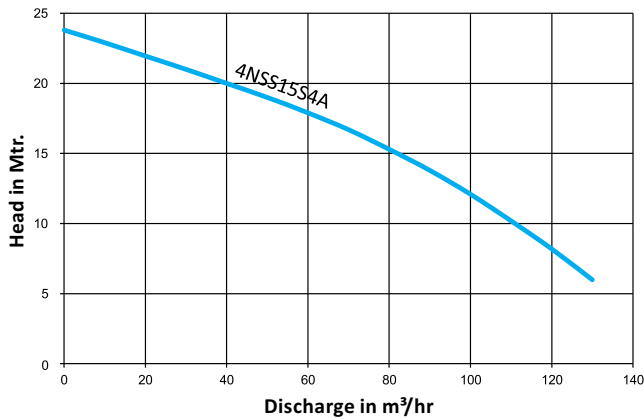
All Dimension are in mm

Technical Data

Pump Information	
Model Number	4NSS10S4A
Pump Name	Handy
Discharge Connection	4"
Rating	7.5 kW / 10 hp
Process Data	
Liquid Temperature	max 90°C
Depth of Immersion	max 28 m
Solid Passage	32 mm
Solid Content	max 65%
Liquid Specific Gravity	max 2.8 kg/L
The pH of the Pumped Liquid	pH 5-14
Motor Data	
Voltage / Phase / Frequency	415 / 3 / 50 Hz
Insulation Class	F / H
Degree of Protection	IP 68
Shaft Speed	1430 rpm
Electric Motor	Squirrel Cage Induction Motor
Rated Current at 415V	15.4 Amp
Rated Current at 380V	16.8 Amp
Method of Starting	S / D
Power Cable + Control Cable	1x10x1.5 sq mm
Monitoring Equipment	
Motor Protections	Moisture Ingress & Temperature Sensors by PTC
Mechanical Face Seals	
Inner Seal	CR / SS
Outer Seal	SIC / SIC
Materials	
Casing	Ni-hard Grade 4 550 BHN
Motor Shaft	Stainless Steel
Impeller	Ni-hard Grade 4 550 BHN
Wear Plate	Ni-hard Grade 4 550 BHN
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel
Weight and Dimensions	
Weight	198 kg
Height	1012 mm
Width	501 mm
Options	
Optional Accessories	Horizontal Installation Kit
Optional Motor	Glycol Filled Internally Cooled Submersible Motor
Optional Voltage	230 V / 380 V / 460 V / 550 V / 660 V / 1000 V
Optional Frequency	60 Hz

For further information, see data sheets. Specifications can be changed without notice.

Junior



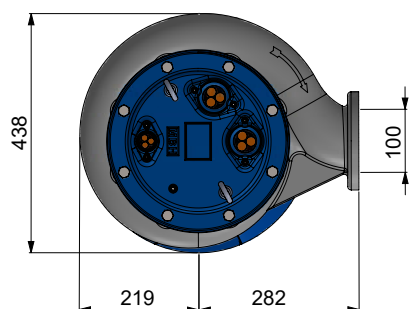
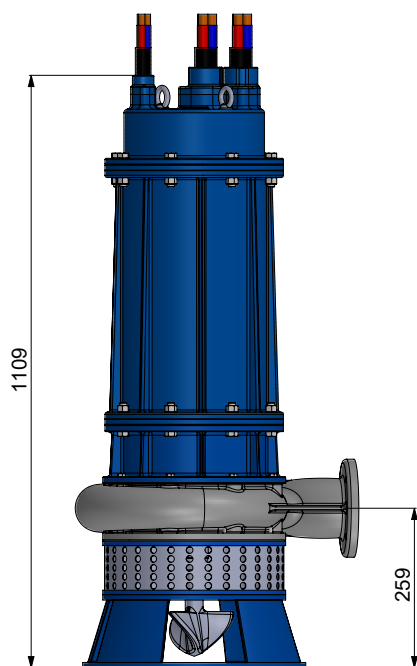
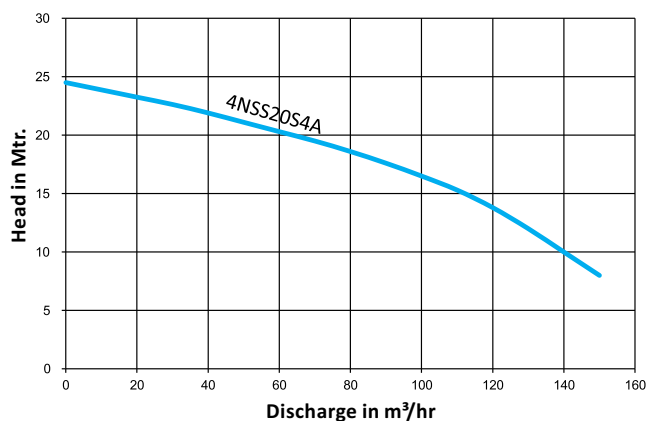
All Dimension are in mm

Technical Data

Pump Information	
Model Number	4NSS15S4A
Pump Name	Junior
Discharge Connection	4"
Rating	11 kW / 15 hp
Process Data	
Liquid Temperature	max 90°C
Depth of Immersion	max 28 m
Solid Passage	32 mm
Solid Content	max 65%
Liquid Specific Gravity	max 2.8 kg/L
The pH of the Pumped Liquid	pH 5-14
Motor Data	
Voltage / Phase / Frequency	415 / 3 / 50 Hz
Insulation Class	F / H
Degree of Protection	IP 68
Shaft Speed	1440 rpm
Electric Motor	Squirrel Cage Induction Motor
Rated Current at 415V	22.0 Amp
Rated Current at 380V	24.0 Amp
Method of Starting	S / D
Power Cable + Control Cable	1x10x2.5 sq mm
Monitoring Equipment	
Motor Protections	Moisture Ingress & Temperature Sensors by PTC
Mechanical Face Seals	
Inner Seal	CR / SS
Outer Seal	SIC / SIC
Materials	
Casing	Ni-hard Grade 4 550 BHN
Motor Shaft	Stainless Steel
Impeller	Ni-hard Grade 4 550 BHN
Wear Plate	Ni-hard Grade 4 550 BHN
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel
Weight and Dimensions	
Weight	216 kg
Height	1077 mm
Width	501 mm
Options	
Optional Accessories	Horizontal Installation Kit
Optional Motor	Glycol Filled Internally Cooled Submersible Motor
Optional Voltage	230 V / 380 V / 460 V / 550 V / 660 V / 1000 V
Optional Frequency	60 Hz

For further information, see data sheets. Specifications can be changed without notice.

Maximo



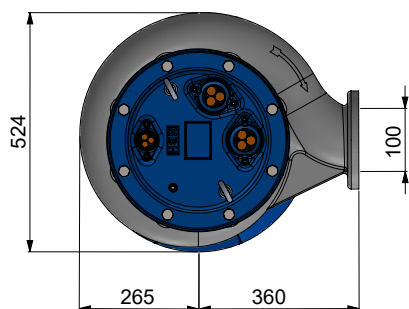
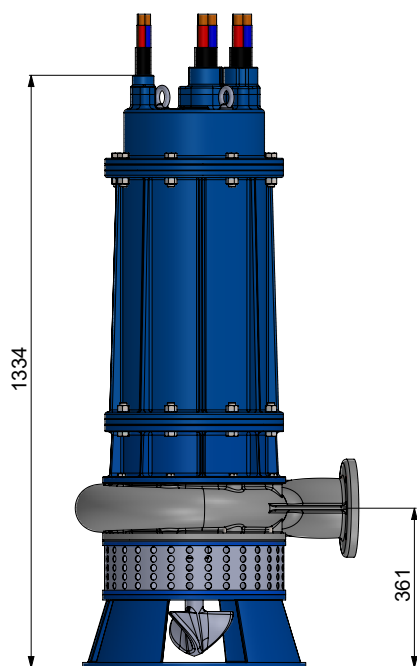
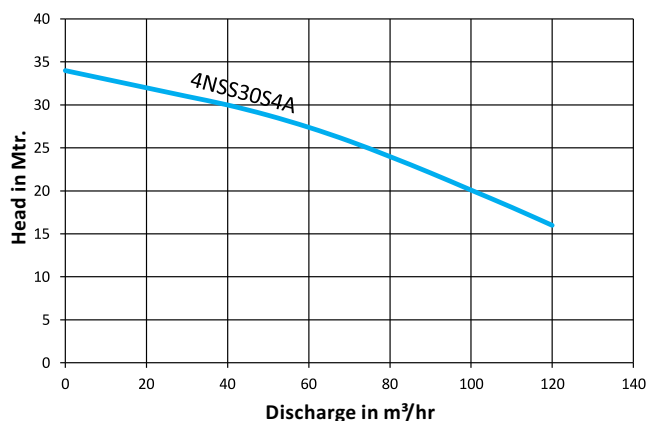
All Dimension are in mm

Technical Data

Pump Information	
Model Number	4NSS20S4A
Pump Name	Maximo
Discharge Connection	4"
Rating	15 kW / 20 hp
Process Data	
Liquid Temperature	max 90°C
Depth of Immersion	max 28 m
Solid Passage	32 mm
Solid Content	max 65%
Liquid Specific Gravity	max 2.8 kg/L
The pH of the Pumped Liquid	pH 5-14
Motor Data	
Voltage / Phase / Frequency	415 / 3 / 50 Hz
Insulation Class	F / H
Degree of Protection	IP 68
Shaft Speed	1440 rpm
Electric Motor	Squirrel Cage Induction Motor
Rated Current at 415V	30.0 Amp
Rated Current at 380V	32.8 Amp
Method of Starting	S / D
Power Cable + Control Cable	1x10x4.0 sq mm
Monitoring Equipment	
Motor Protections	Moisture Ingress & Temperature Sensors by PTC
Mechanical Face Seals	
Inner Seal	CR / SS
Outer Seal	SIC / SIC
Materials	
Casing	Ni-hard Grade 4 550 BHN
Motor Shaft	Stainless Steel
Impeller	Ni-hard Grade 4 550 BHN
Wear Plate	Ni-hard Grade 4 550 BHN
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel
Weight and Dimensions	
Weight	275 kg
Height	1109 mm
Width	501 mm
Options	
Optional Accessories	Horizontal Installation Kit
Optional Motor	Glycol Filled Internally Cooled Submersible Motor
Optional Voltage	230 V / 380 V / 460 V / 550 V / 660 V / 1000 V
Optional Frequency	60 Hz

For further information, see data sheets. Specifications can be changed without notice.

Maximo XL



All Dimension are in mm

Technical Data

Pump Information

Model Number	4NSS30S4A
Pump Name	Maximo XL
Discharge Connection	4"
Rating	22 kW / 30 hp

Process Data

Liquid Temperature	max 90°C
Depth of Immersion	max 28 m
Solid Passage	32 mm
Solid Content	max 65%
Liquid Specific Gravity	max 2.8 kg/L
The pH of the Pumped Liquid	pH 5-14

Motor Data

Voltage / Phase / Frequency	415 / 3 / 50 Hz
Insulation Class	F / H
Degree of Protection	IP 68
Shaft Speed	1440 rpm
Electric Motor	Squirrel Cage Induction Motor
Rated Current at 415V	43.0 Amp
Rated Current at 380V	47.0 Amp
Method of Starting	ATS / Soft Starter
Power Cable + Control Cable	1x4x10.0 sq mm + 1x4x1.5 sq mm

Monitoring Equipment

Motor Protections	Moisture Ingress & Temperature Sensors by PTC
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Mechanical Face Seals

Inner Seal	CR / SS
Outer Seal	SIC / SIC

Materials

Casing	Ni-hard Grade 4 550 BHN
Motor Shaft	Stainless Steel
Impeller	Ni-hard Grade 4 550 BHN
Wear Plate	Ni-hard Grade 4 550 BHN
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel

Weight and Dimensions

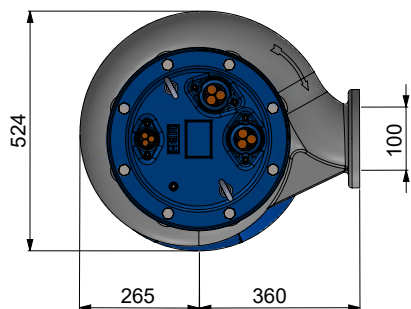
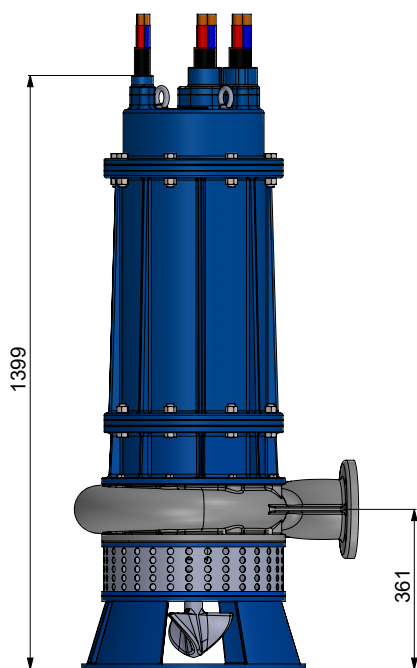
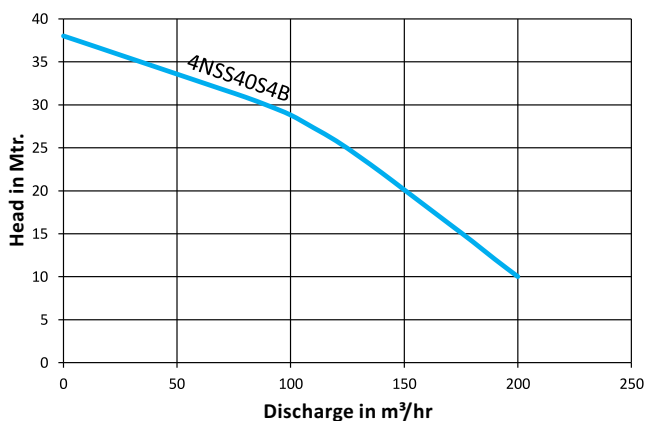
Weight	320 kg
Height	1334 mm
Width	625 mm

Options

Optional Accessories	Horizontal Installation Kit
Optional Motor	Glycol Filled Internally Cooled Submersible Motor
Optional Voltage	230 V / 380 V / 460 V / 550 V / 660 V / 1000 V
Optional Frequency	60 Hz

For further information, see data sheets. Specifications can be changed without notice.

Terminator H



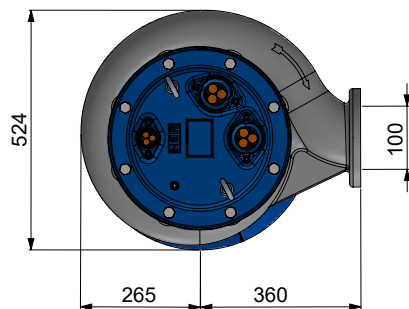
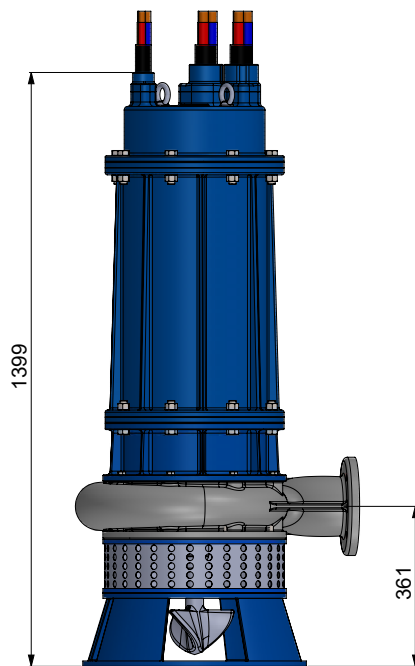
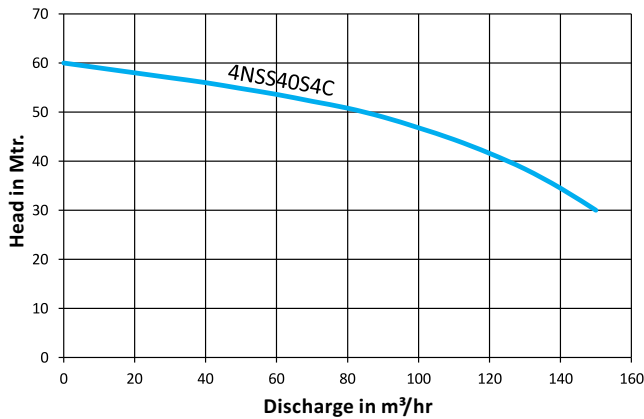
All Dimension are in mm

Technical Data

Pump Information	
Model Number	4NSS40S4B
Pump Name	Terminator H
Discharge Connection	4"
Rating	30 kW / 40 hp
Process Data	
Liquid Temperature	max 90°C
Depth of Immersion	max 28 m
Solid Passage	32 mm
Solid Content	max 65%
Liquid Specific Gravity	max 2.8 kg/L
The pH of the Pumped Liquid	pH 5-14
Motor Data	
Voltage / Phase / Frequency	415 / 3 / 50 Hz
Insulation Class	F / H
Degree of Protection	IP 68
Shaft Speed	1450 rpm
Electric Motor	Squirrel Cage Induction Motor
Rated Current at 415V	57.0 Amp
Rated Current at 380V	62.3 Amp
Method of Starting	ATS / Soft Starter
Power Cable + Control Cable	1x4x16.0 sq mm + 1x4x1.5 sq mm
Monitoring Equipment	
Motor Protections	Moisture Ingress & Temperature Sensors by PTC
Mechanical Face Seals	
Inner Seal	CR / SS
Outer Seal	SIC / SIC
Materials	
Casing	Ni-hard Grade 4 550 BHN
Motor Shaft	Stainless Steel
Impeller	Ni-hard Grade 4 550 BHN
Wear Plate	Ni-hard Grade 4 550 BHN
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel
Weight and Dimensions	
Weight	480 kg
Height	1399 mm
Width	625 mm
Options	
Optional Accessories	Horizontal Installation Kit
Optional Motor	Glycol Filled Internally Cooled Submersible Motor
Optional Voltage	230 V / 380 V / 460 V / 550 V / 660 V / 1000 V
Optional Frequency	60 Hz

For further information, see data sheets. Specifications can be changed without notice.

Terminator HH



All Dimension are in mm

Technical Data

Pump Information

Model Number	4NSS40S4C
Pump Name	Terminator HH
Discharge Connection	6"
Rating	30 kW / 40 hp

Process Data

Liquid Temperature	max 90°C
Depth of Immersion	max 28 m
Solid Passage	12 mm
Solid Content	max 65%
Liquid Specific Gravity	max 1.5 kg/L
The pH of the Pumped Liquid	pH 5-14

Motor Data

Voltage / Phase / Frequency	415 / 3 / 50 Hz
Insulation Class	F / H
Degree of Protection	IP 68
Shaft Speed	1450 rpm
Electric Motor	Squirrel Cage Induction Motor
Rated Current at 415V	57.0 Amp
Rated Current at 380V	62.3 Amp
Method of Starting	ATS / Soft Starter
Power Cable + Control Cable	1x4x16.0 sq mm + 1x4x1.5 sq mm

Monitoring Equipment

Motor Protections	Moisture Ingress & Temperature Sensors by PTC
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Mechanical Face Seals

Inner Seal	CR / SS
Outer Seal	SIC / SIC

Materials

Casing	Ni-hard Grade 4 550 BHN
Motor Shaft	Stainless Steel
Impeller	Ni-hard Grade 4 550 BHN
Wear Plate	Ni-hard Grade 4 550 BHN
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel

Weight and Dimensions

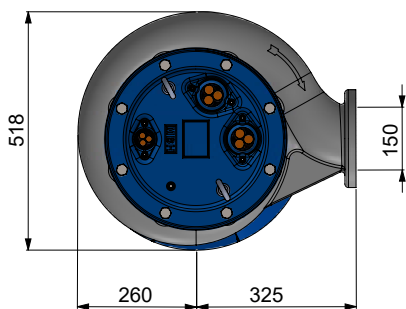
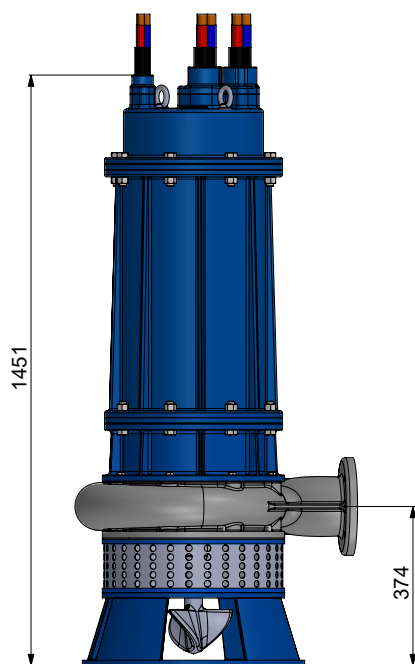
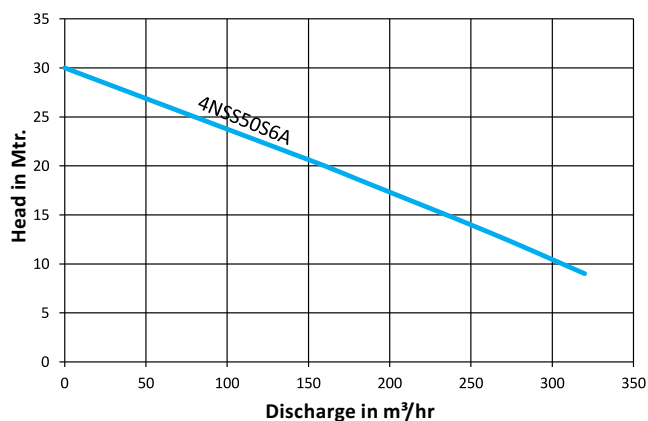
Weight	480 kg
Height	1399 mm
Width	625 mm

Options

Optional Accessories	Horizontal Installation Kit
Optional Motor	Glycol Filled Internally Cooled Submersible Motor
Optional Voltage	230 V / 380 V / 460 V / 550 V / 660 V / 1000 V
Optional Frequency	60 Hz

For further information, see data sheets. Specifications can be changed without notice.

Commando



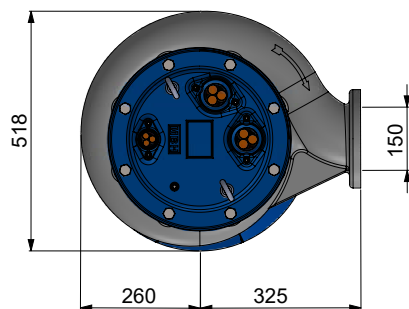
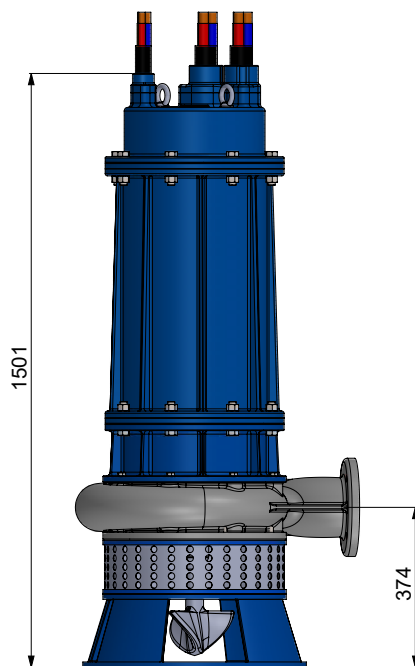
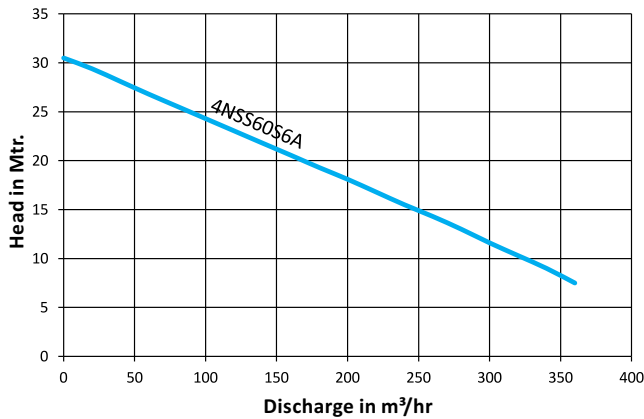
All Dimension are in mm

Technical Data

Pump Information	
Model Number	4NSS50S6A
Pump Name	Commando
Discharge Connection	6"
Rating	37 kW / 50 hp
Process Data	
Liquid Temperature	max 90°C
Depth of Immersion	max 28 m
Solid Passage	38 mm
Solid Content	max 65%
Liquid Specific Gravity	max 2.8 kg/L
The pH of the Pumped Liquid	pH 5-14
Motor Data	
Voltage / Phase / Frequency	415 / 3 / 50 Hz
Insulation Class	F / H
Degree of Protection	IP 68
Shaft Speed	1450 rpm
Electric Motor	Squirrel Cage Induction Motor
Rated Current at 415V	69.0 Amp
Rated Current at 380V	75.4 Amp
Method of Starting	ATS / Soft Starter
Power Cable + Control Cable	1x4x25.0 sq mm + 1x4x1.5 sq mm
Monitoring Equipment	
Motor Protections	Moisture Ingress & Temperature Sensors by PTC
Mechanical Face Seals	
Inner Seal	CR / SS
Outer Seal	SIC / SIC
Materials	
Casing	Ni-hard Grade 4 550 BHN
Motor Shaft	Stainless Steel
Impeller	Ni-hard Grade 4 550 BHN
Wear Plate	Ni-hard Grade 4 550 BHN
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel
Weight and Dimensions	
Weight	495 kg
Height	1451 mm
Width	585 mm
Options	
Optional Accessories	Horizontal Installation Kit
Optional Motor	Glycol Filled Internally Cooled Submersible Motor
Optional Voltage	230 V / 380 V / 460 V / 550 V / 660 V / 1000 V
Optional Frequency	60 Hz

For further information, see data sheets. Specifications can be changed without notice.

Destroyer



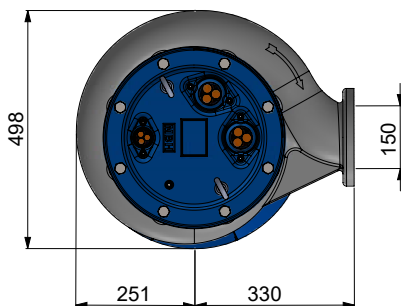
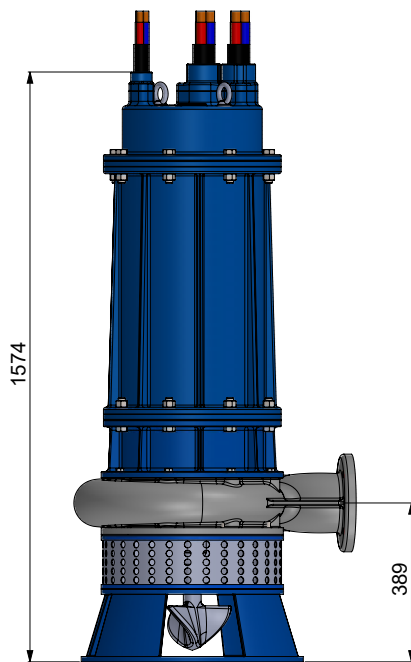
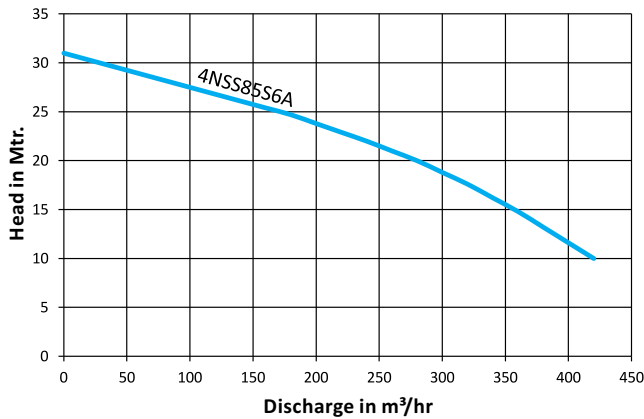
All Dimension are in mm

Technical Data

Pump Information	
Model Number	4NSS60S6A
Pump Name	Destroyer
Discharge Connection	6"
Rating	45 kW / 60 hp
Process Data	
Liquid Temperature	max 90°C
Depth of Immersion	max 28 m
Solid Passage	38 mm
Solid Content	max 65%
Liquid Specific Gravity	max 2.8 kg/L
The pH of the Pumped Liquid	pH 5-14
Motor Data	
Voltage / Phase / Frequency	415 / 3 / 50 Hz
Insulation Class	F / H
Degree of Protection	IP 68
Shaft Speed	1460 rpm
Electric Motor	Squirrel Cage Induction Motor
Rated Current at 415V	84.0 Amp
Rated Current at 380V	91.7 Amp
Method of Starting	ATS / Soft Starter
Power Cable + Control Cable	1x4x35.0 sq mm + 1x4x1.5 sq mm
Monitoring Equipment	
Motor Protections	Moisture Ingress & Temperature Sensors by PTC
Mechanical Face Seals	
Inner Seal	CR / SS
Outer Seal	SIC / SIC
Materials	
Casing	Ni-hard Grade 4 550 BHN
Motor Shaft	Stainless Steel
Impeller	Ni-hard Grade 4 550 BHN
Wear Plate	Ni-hard Grade 4 550 BHN
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel
Weight and Dimensions	
Weight	664 kg
Height	1501 mm
Width	585 mm
Options	
Optional Accessories	Horizontal Installation Kit
Optional Motor	Glycol Filled Internally Cooled Submersible Motor
Optional Voltage	230 V / 380 V / 460 V / 550 V / 660 V / 1000 V
Optional Frequency	60 Hz

For further information, see data sheets. Specifications can be changed without notice.

Finisher



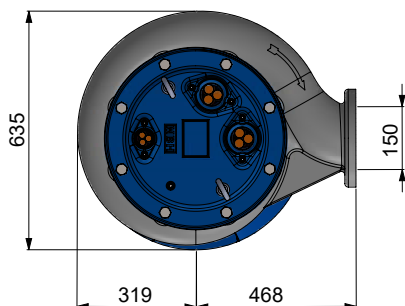
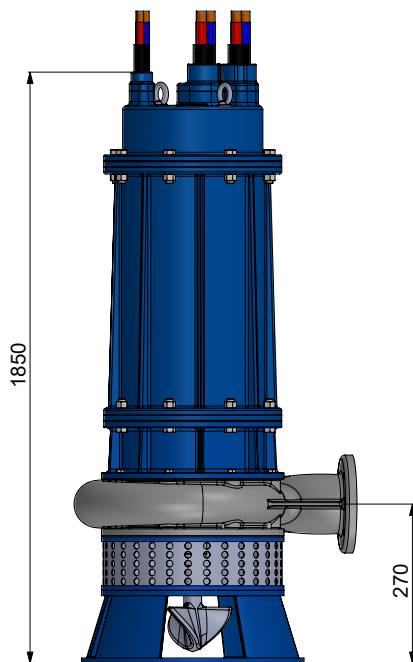
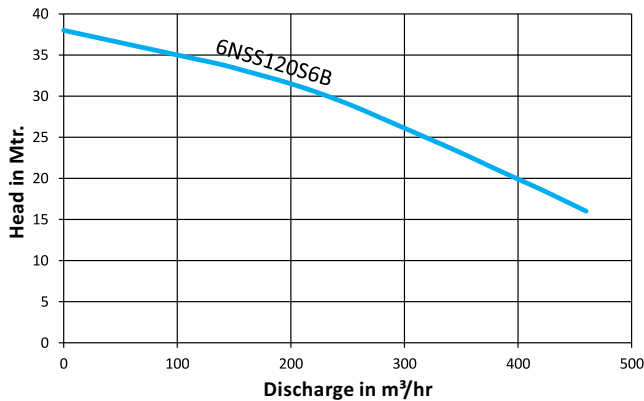
All Dimension are in mm

Technical Data

Pump Information	
Model Number	4NSS85S6A
Pump Name	Finisher
Discharge Connection	6"
Rating	63.5 kW / 85 hp
Process Data	
Liquid Temperature	max 90°C
Depth of Immersion	max 28 m
Solid Passage	38 mm
Solid Content	max 65%
Liquid Specific Gravity	max 2.8 kg/L
The pH of the Pumped Liquid	pH 5-14
Motor Data	
Voltage / Phase / Frequency	415 / 3 / 50 Hz
Insulation Class	F / H
Degree of Protection	IP 68
Shaft Speed	1465 rpm
Electric Motor	Squirrel Cage Induction Motor
Rated Current at 415V	114.0 Amp
Rated Current at 380V	124.5 Amp
Method of Starting	ATS / Soft Starter
Power Cable + Control Cable	2x4x25.0 sq mm + 1x4x1.5 sq mm
Monitoring Equipment	
Motor Protections	Moisture Ingress & Temperature Sensors by PTC
Mechanical Face Seals	
Inner Seal	CR / SS
Outer Seal	SIC / SIC
Materials	
Casing	NI-hard Grade 4 550 BHN
Motor Shaft	Stainless Steel
Impeller	NI-hard Grade 4 550 BHN
Wear Plate	NI-hard Grade 4 550 BHN
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel
Weight and Dimensions	
Weight	784 kg
Height	1574 mm
Width	581 mm
Options	
Optional Accessories	Horizontal Installation Kit
Optional Motor	Glycol Filled Internally Cooled Submersible Motor
Optional Voltage	230 V / 380 V / 460 V / 550 V / 660 V / 1000 V
Optional Frequency	60 Hz

For further information, see data sheets. Specifications can be changed without notice.

Excavator M



All Dimension are in mm

Technical Data

Pump Information

Model Number	6NSS120S6B
Pump Name	Excavator M
Discharge Connection	6"
Rating	90 kW / 120 hp

Process Data

Liquid Temperature	max 90°C
Depth of Immersion	max 28 m
Solid Passage	45 mm
Solid Content	max 65%
Liquid Specific Gravity	max 2.1 kg/L
The pH of the Pumped Liquid	pH 5-14

Motor Data

Voltage / Phase / Frequency	415 / 3 / 50 Hz
Insulation Class	F / H
Degree of Protection	IP 68
Shaft Speed	970 rpm
Electric Motor	Squirrel Cage Induction Motor
Rated Current at 415V	175.0 Amp
Rated Current at 380V	191.1 Amp
Method of Starting	ATS / Soft Starter
Power Cable + Control Cable	2x4x50.0 sq mm + 1x4x1.5 sq mm

Monitoring Equipment

Motor Protections	Moisture Ingress & Temperature Sensors by PTC
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Mechanical Face Seals

Inner Seal	CR / SS
Outer Seal	SIC / SIC

Materials

Casing	NI-hard Grade 4 550 BHN
Motor Shaft	Stainless Steel
Impeller	NI-hard Grade 4 550 BHN
Wear Plate	NI-hard Grade 4 550 BHN
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel

Weight and Dimensions

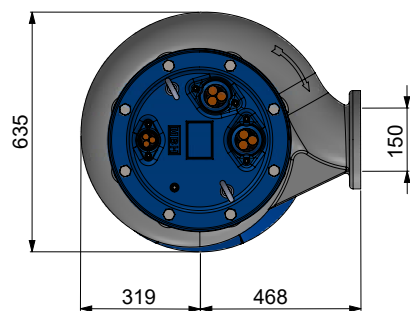
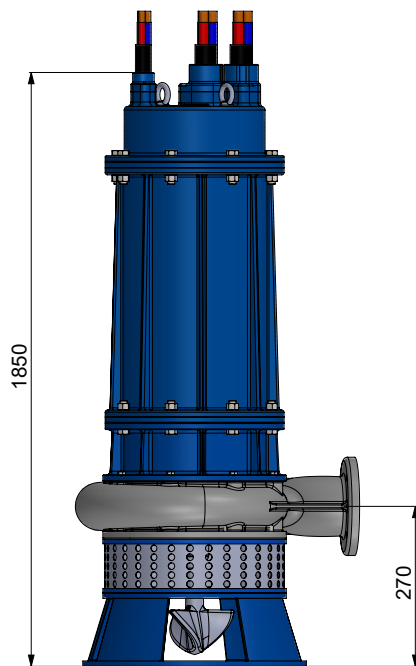
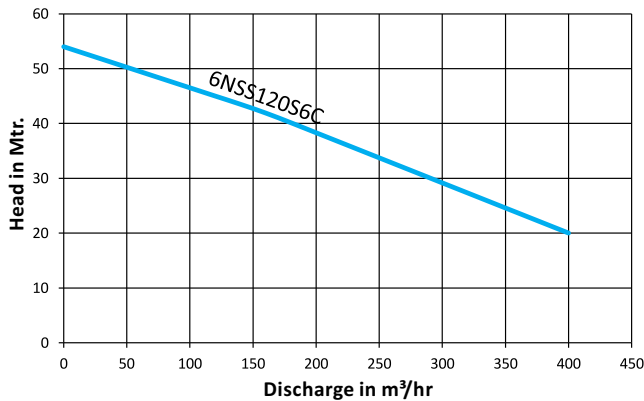
Weight	1233 kg
Height	1850 mm
Width	787 mm

Options

Optional Accessories	Horizontal Installation Kit
Optional Motor	Glycol Filled Internally Cooled Submersible Motor
Optional Voltage	230 V / 380 V / 460 V / 550 V / 660 V / 1000 V
Optional Frequency	60 Hz

For further information, see data sheets. Specifications can be changed without notice.

Excavator H



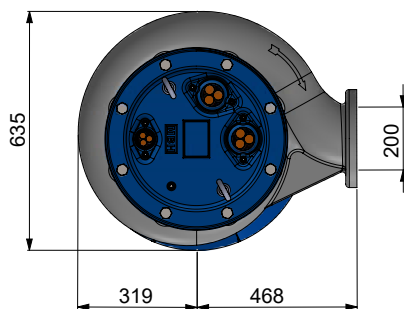
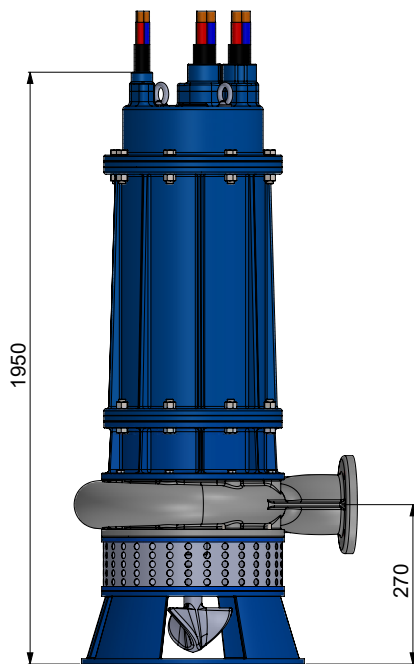
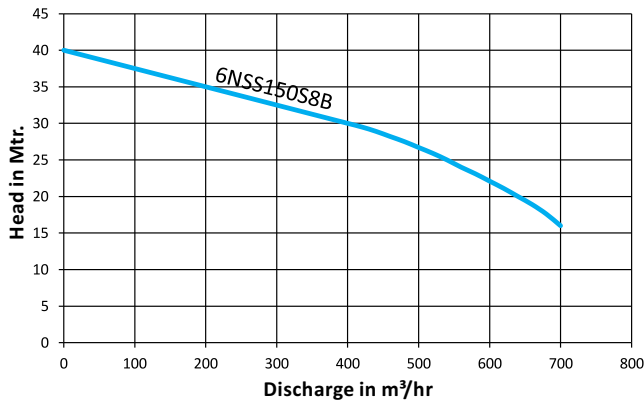
All Dimension are in mm

Technical Data

Pump Information	
Model Number	6NSS120S6C
Pump Name	Excavator H
Discharge Connection	6"
Rating	90 kW / 120 hp
Process Data	
Liquid Temperature	max 90°C
Depth of Immersion	max 28 m
Solid Passage	30 mm
Solid Content	max 65%
Liquid Specific Gravity	max 1.5 kg/L
The pH of the Pumped Liquid	pH 5-14
Motor Data	
Voltage / Phase / Frequency	415 / 3 / 50 Hz
Insulation Class	F / H
Degree of Protection	IP 68
Shaft Speed	970 rpm
Electric Motor	Squirrel Cage Induction Motor
Rated Current at 415V	175.0 Amp
Rated Current at 380V	191.1 Amp
Method of Starting	ATS / Soft Starter
Power Cable + Control Cable	2x4x50.0 sq mm + 1x4x1.5 sq mm
Monitoring Equipment	
Motor Protections	Moisture Ingress & Temperature Sensors by PTC
Mechanical Face Seals	
Inner Seal	CR / SS
Outer Seal	SIC / SIC
Materials	
Casing	Ni-hard Grade 4 550 BHN
Motor Shaft	Stainless Steel
Impeller	Ni-hard Grade 4 550 BHN
Wear Plate	Ni-hard Grade 4 550 BHN
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel
Weight and Dimensions	
Weight	1233 kg
Height	1850 mm
Width	787 mm
Options	
Optional Accessories	Horizontal Installation Kit
Optional Motor	Glycol Filled Internally Cooled Submersible Motor
Optional Voltage	230 V / 380 V / 460 V / 550 V / 660 V / 1000 V
Optional Frequency	60 Hz

For further information, see data sheets. Specifications can be changed without notice.

Ultimate M



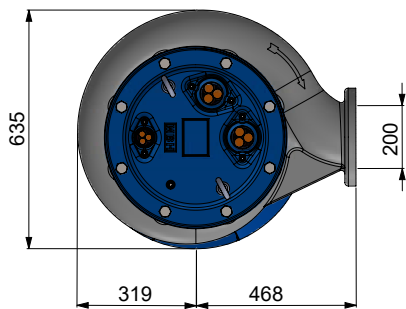
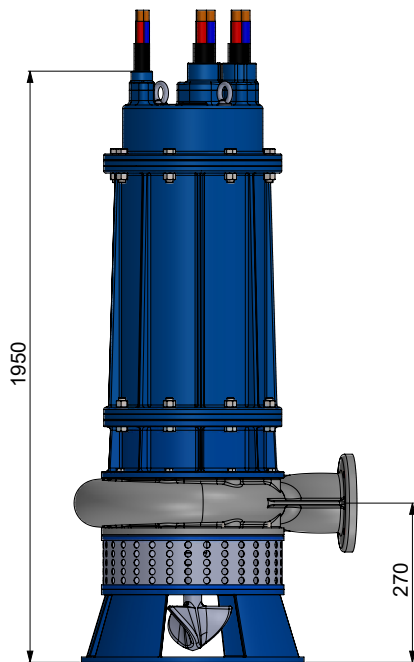
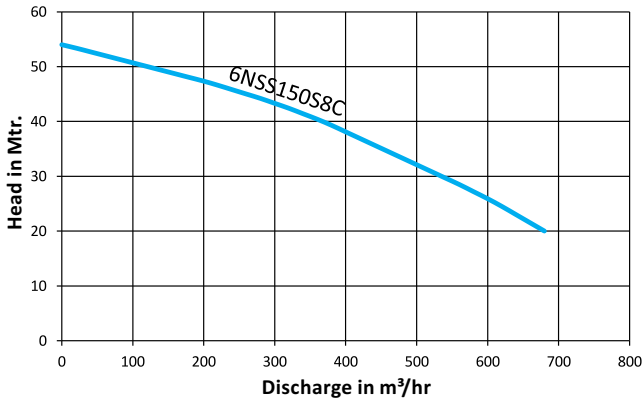
All Dimension are in mm

Technical Data

Pump Information	
Model Number	6NSS150S8B
Pump Name	Ultimate M
Discharge Connection	8"
Rating	112 kW / 150 hp
Process Data	
Liquid Temperature	max 90°C
Depth of Immersion	max 28 m
Solid Passage	76 mm
Solid Content	max 65%
Liquid Specific Gravity	max 2.1 kg/L
The pH of the Pumped Liquid	pH 5-14
Motor Data	
Voltage / Phase / Frequency	415 / 3 / 50 Hz
Insulation Class	F / H
Degree of Protection	IP 68
Shaft Speed	970 rpm
Electric Motor	Squirrel Cage Induction Motor
Rated Current at 415V	214.0 Amp
Rated Current at 380V	233.7 Amp
Method of Starting	ATS / Soft Starter
Power Cable + Control Cable	2x4x50.0 sq mm + 1x4x2.5 sq mm
Monitoring Equipment	
Motor Protections	Moisture Ingress & Temperature Sensors by PTC
Mechanical Face Seals	
Inner Seal	CR / SS
Outer Seal	SIC / SIC
Materials	
Casing	Ni-hard Grade 4 550 BHN
Motor Shaft	Stainless Steel
Impeller	Ni-hard Grade 4 550 BHN
Wear Plate	Ni-hard Grade 4 550 BHN
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel
Weight and Dimensions	
Weight	1320 kg
Height	1950 mm
Width	787 mm
Options	
Optional Accessories	Horizontal Installation Kit
Optional Motor	Glycol Filled Internally Cooled Submersible Motor
Optional Voltage	230 V / 380 V / 460 V / 550 V / 660 V / 1000 V
Optional Frequency	60 Hz

For further information, see data sheets. Specifications can be changed without notice.

Ultimate H



All Dimension are in mm

Technical Data

Pump Information

Model Number	6NSS150S8C
Pump Name	Ultimate H
Discharge Connection	8"
Rating	112 kW / 150 hp

Process Data

Liquid Temperature	max 90°C
Depth of Immersion	max 28 m
Solid Passage	40 mm
Solid Content	max 65%
Liquid Specific Gravity	max 1.5 kg/L
The pH of the Pumped Liquid	pH 5-14

Motor Data

Voltage / Phase / Frequency	415 / 3 / 50 Hz
Insulation Class	F / H
Degree of Protection	IP 68
Shaft Speed	970 rpm
Electric Motor	Squirrel Cage Induction Motor
Rated Current at 415V	214.0 Amp
Rated Current at 380V	233.7 Amp
Method of Starting	ATS / Soft Starter
Power Cable + Control Cable	2x4x50.0 sq mm + 1x4x2.5 sq mm

Monitoring Equipment

Motor Protections	Moisture Ingress & Temperature Sensors by PTC
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Mechanical Face Seals

Inner Seal	CR / SS
Outer Seal	SIC / SIC

Materials

Casing	NI-hard Grade 4 550 BHN
Motor Shaft	Stainless Steel
Impeller	NI-hard Grade 4 550 BHN
Wear Plate	NI-hard Grade 4 550 BHN
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel

Weight and Dimensions

Weight	1320 kg
Height	1950 mm
Width	787 mm

Options

Optional Accessories	Horizontal Installation Kit
Optional Motor	Glycol Filled Internally Cooled Submersible Motor
Optional Voltage	230 V / 380 V / 460 V / 550 V / 660 V / 1000 V
Optional Frequency	60 Hz

For further information, see data sheets. Specifications can be changed without notice.

“ Fresh water is becoming increasingly scarce worldwide.
That is why we consider it as our responsibility to develop pumps
and systems that can use to obtain and use this precious resource
in the most efficient way possible – now and in the future.”

*Specifications and performance are subject to change without prior notice.
Images used are for illustration purpose only.*

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PUMPS

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