

*Versatile, really robust and
definitely reliable*

*We move **SOLIDS***



**Submersible
Contractor Pumps**
CP Series Datasheet

MBH[®]
PUMPS

Handling Slurry is simple for us



Submersible Contractor Pump - CP Series, is a submersible high power, heavy duty slurry pump incorporating an agitator to suspend solids enabling the pump to handle high concentration slurries. Being Equipped with High-Chromium cast iron Wear parts, the pump delivers outstanding durability. The suction plate is adjustable enabling the pump to maintain the original performance.

CP Series Submersible Contractor Pumps

Technical Specifications :

Head : upto 50 meters
Capacity : upto 450 m³/hr
HP : upto 60
Solid Size : 40 mm
MOC : 27% high chrome impeller,
2% NI. CI volute
Frequency : 50 / 60 Hz

Applications

- Transferring & draining bentonite Slurry in piling.
- Draining cement slurry or sand carrying water in foundation works.
- Draining aggregated and ore wash water in mines and quarries.
- Collecting sediments in grit chambers at waste water treatment plants.
- Pumping scale at steel mills.
- Dewatering water containing drilling slurry during Jackwell / Intake well construction.
- Dewatering water containing grit and stone slurry.





Design

Motor protection

Sensors are well placed in the motor for Thermal Protection as well as moisture detection in the Motor. This ensures tripping of the motor in adverse condition.

Cable entry

Anti-wicking cable entry prevents water incursion due to capillary wicking should the power cable be damaged or the end submerged.

Mechanical seal with silicon carbide faces

Heavy duty dual mechanical seal arrangement is present in the oil chamber, which protects the motor from heavy slurry that needs to be pumped using Contractor series pumps.

High chrome cast iron impeller 27% and adjustable suction plate

Made of high-chromium with 27% chrome content ensures highest durability. Even if the performance drops due to wearing out of the impeller and suction plate, it can be improved by simply adjusting the suction plate.

Volute

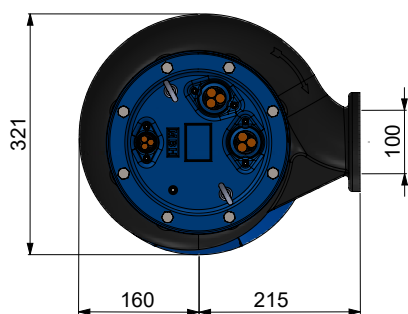
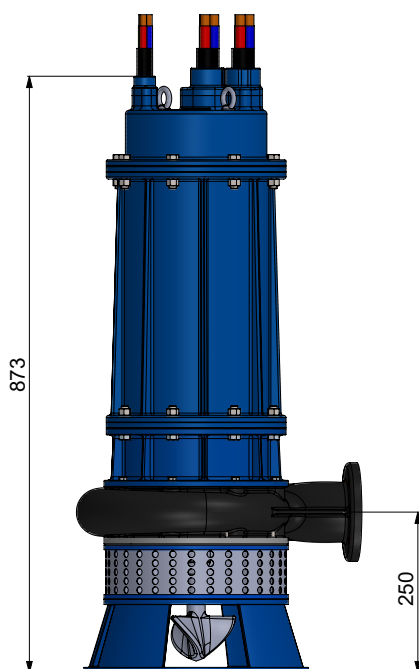
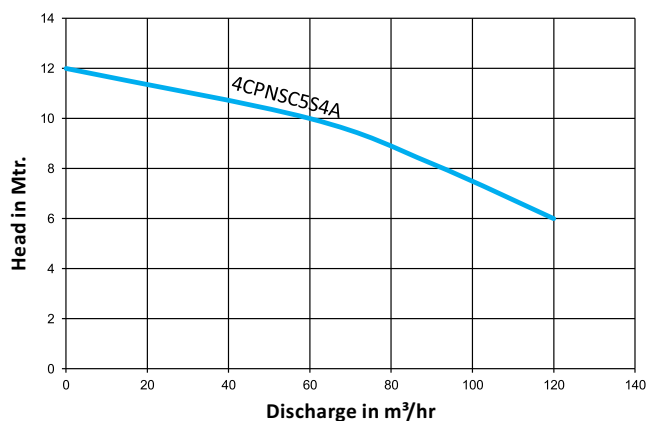
Volute is made with 2% Nickel hardened cast iron ensuring long life of the pump.

Agitating mechanism

Agitator made of High-chrome material is shaft mounted and well placed at the bottom of the strainer. This agitator causes whirlpool effect breaking large particles and hence prevents any clogging of the pump.



Contractor Mini



All Dimension are in mm

Technical Data

Pump Information

Model Number	4CPNSC5S4A
Pump Name	Contractor Mini
Discharge Connection	4"
Rating	3.7 kW / 5.0 hp

Process Data

Liquid Temperature	40°C (standard)
Depth of Immersion	max 26 m
Solid Passage	40 mm
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	1410 rpm
Electric Motor	Squirrel Cage Induction Motor
Rated Current at 415V	8.1 Amp
Rated Current at 380V	8.8 Amp
Method of Starting	DOL
Power Cable + Control Cable	1 x 7 x 1.5 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	2% Nickel Hardened Cast Iron
Motor Shaft	Stainless Steel
Impeller	Hi-chrome
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel

Weight and Dimensions

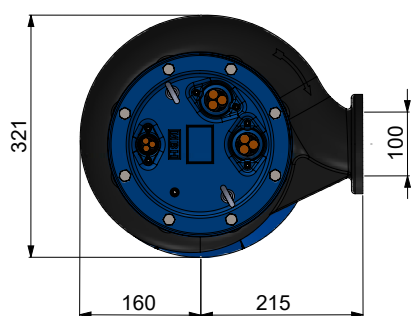
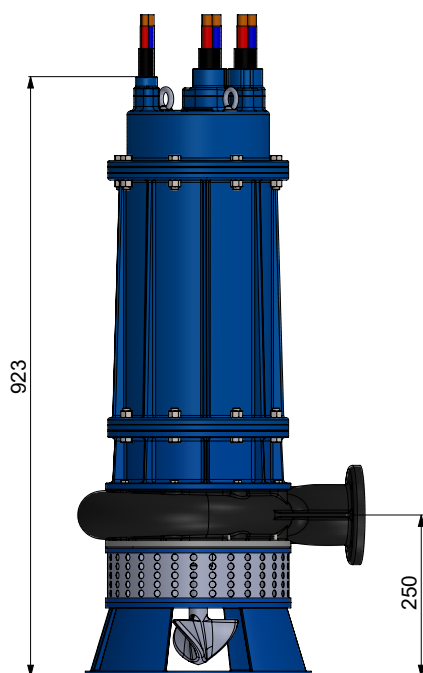
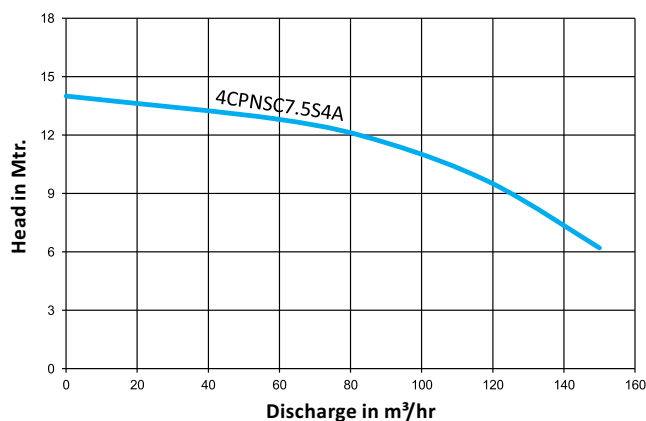
Weight	170 kg
Height	873 mm
Width	375 mm

Options

Optional Accessories	Horizontal Installation Kit
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.

Contractor



All Dimension are in mm

Technical Data

Pump Information

Model Number	4CPNSC7.5S4A
Pump Name	Contractor
Discharge Connection	4"
Rating	5.5 kW / 7.5 hp

Process Data

Liquid Temperature	40°C (standard)
Depth of Immersion	max 26 m
Solid Passage	40 mm
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	1420 rpm
Electric Motor	Squirrel Cage Induction Motor
Rated Current at 415V	12.0 Amp
Rated Current at 380V	13.1 Amp
Method of Starting	S / D
Power Cable + Control Cable	1 x 10 x 1.5 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	2% Nickel hardened Cast Iron
Motor Shaft	Stainless Steel
Impeller	Hi-chrome
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel

Weight and Dimensions

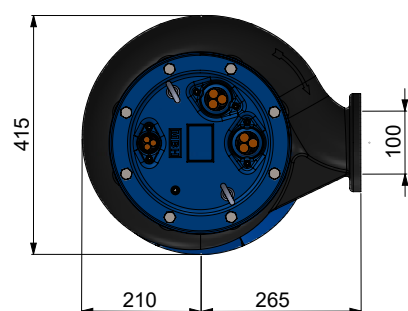
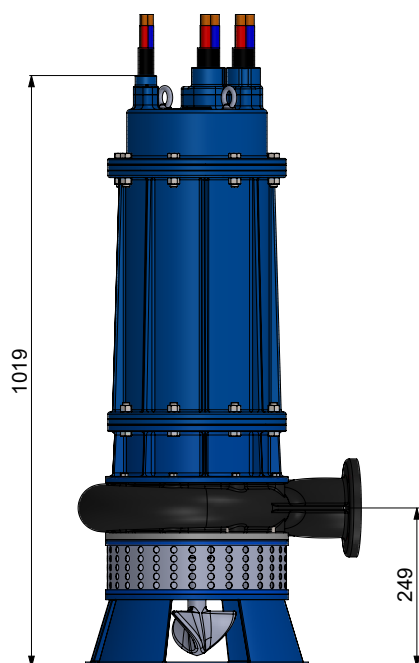
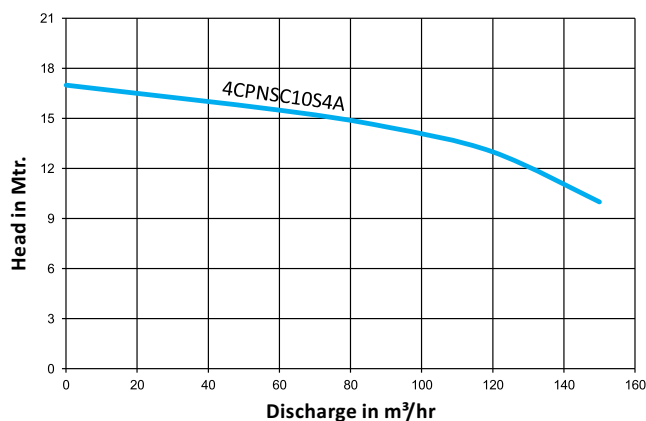
Weight	187 kg
Height	923 mm
Width	375 mm

Options

Optional Accessories	Horizontal Installation Kit
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.

Contractor Master L



All Dimension are in mm

Technical Data

Pump Information

Model Number	4CPNSC10S4A
Pump Name	Contractor Master L
Discharge Connection	4"
Rating	7.5 kW / 10.0 hp

Process Data

Liquid Temperature	40°C (standard)
Depth of Immersion	max 26 m
Solid Passage	40 mm
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	1 x 10 x 1.5 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	2% Nickel Hardened Cast Iron
Motor Shaft	Stainless Steel
Impeller	Hi-chrome
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel

Weight and Dimensions

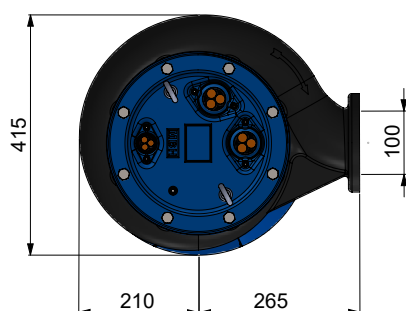
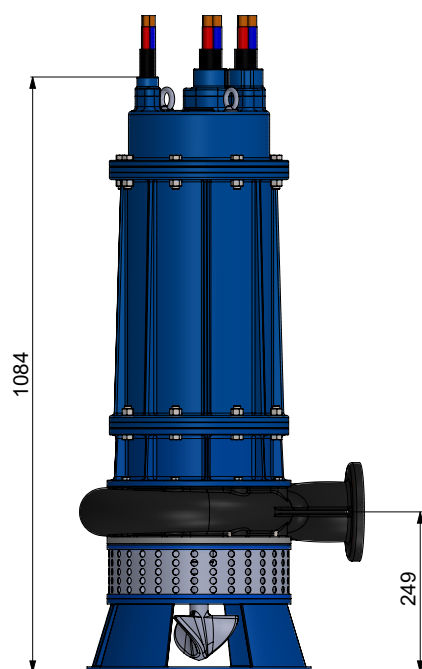
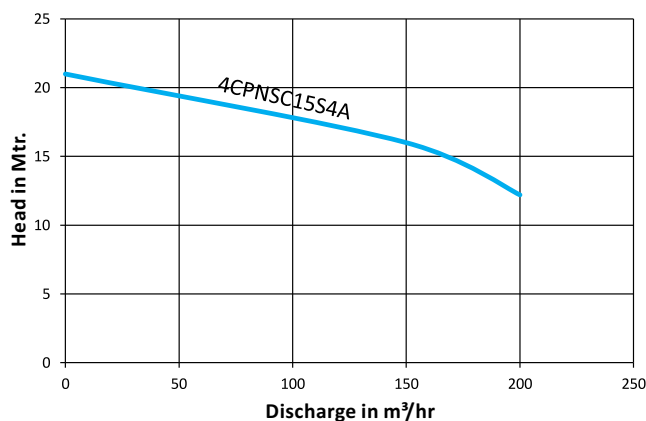
Weight	196 kg
Height	1019 mm
Width	475 mm

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.

Contractor Master XL



All Dimension are in mm

Technical Data

Pump Information

Model Number	4CPNSC15S4A
Pump Name	Contractor Master XL
Discharge Connection	4"
Rating	11.0 kW / 15.0 hp

Process Data

Liquid Temperature	40°C (standard)
Depth of Immersion	max 26 m
Solid Passage	40 mm
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	1 x 10 x 2.5 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	2% Nickel Hardened Cast Iron
Motor Shaft	Stainless Steel
Impeller	Hi-chrome
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel

Weight and Dimensions

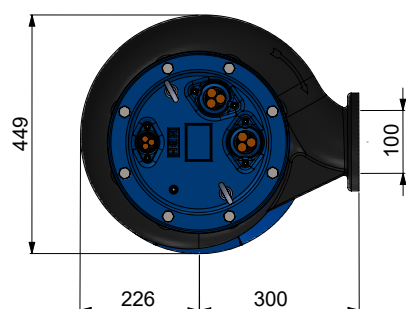
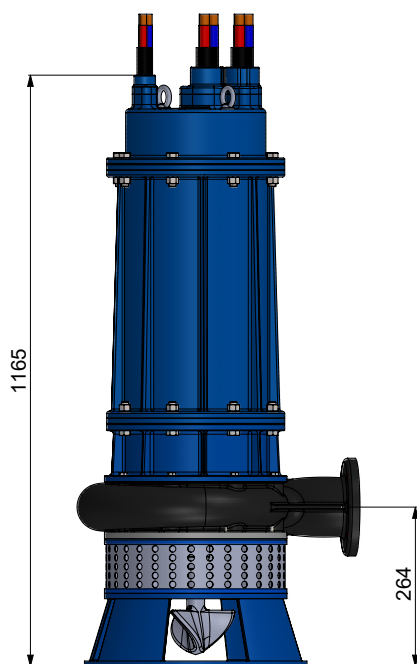
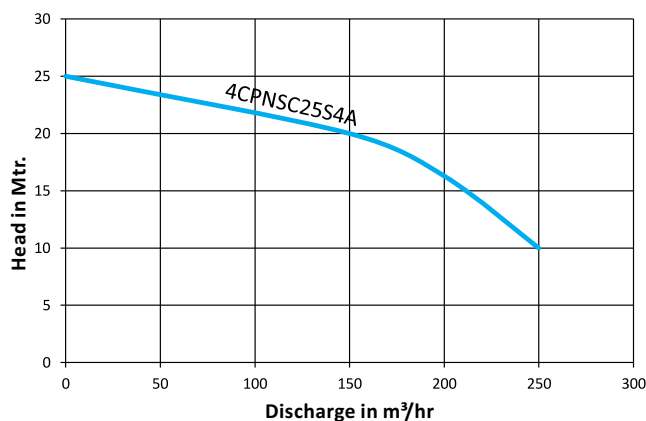
Weight	223 kg
Height	1084 mm
Width	475 mm

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.

Contractor Prime



All Dimension are in mm

Technical Data

Pump Information

Model Number	4CPNSC25S4A
Pump Name	Contractor Prime
Discharge Connection	4"
Rating	18.5 kW / 25.0 hp

Process Data

Liquid Temperature	40°C (standard)
Depth of Immersion	max 26 m
Solid Passage	40 mm
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	36.0 Amp
Rated Current at 380V	39.3 Amp
Method of Starting	S / D
Power Cable + Control Cable	1 x 10 x 4.0 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	2% Nickel Hardened Cast Iron
Motor Shaft	Stainless Steel
Impeller	Hi-chrome
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel

Weight and Dimensions

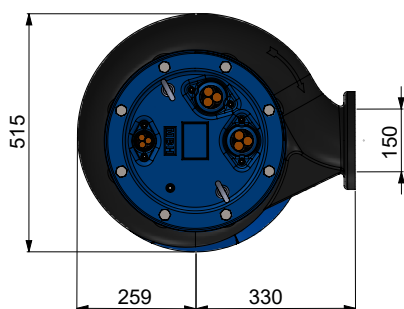
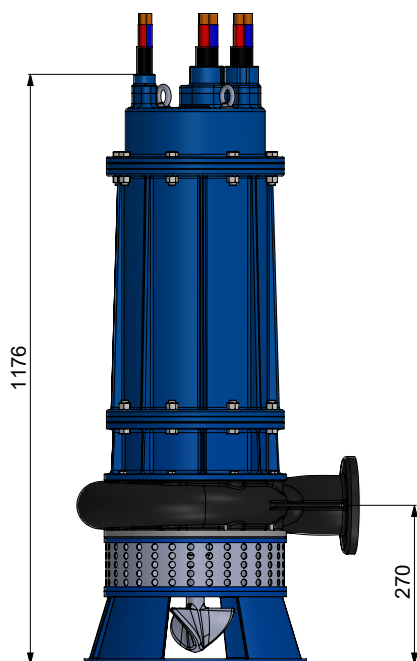
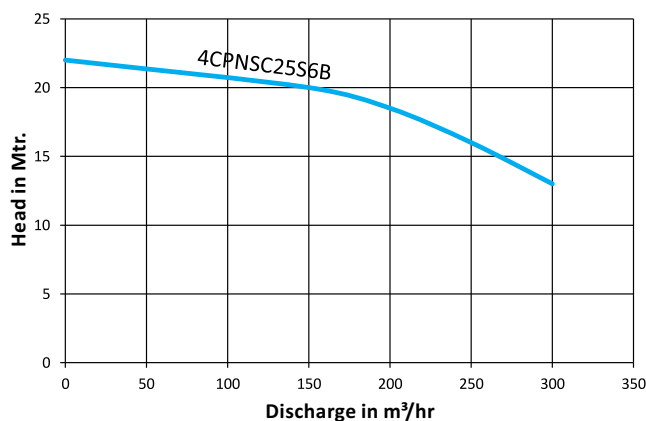
Weight	324 kg
Height	1165 mm
Width	526 mm

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.

Contractor Prime XL



All Dimension are in mm

Technical Data

Pump Information

Model Number	4CPNSC25S6B
Pump Name	Contractor Prime XL
Discharge Connection	6"
Rating	18.5 kW / 25.0 hp

Process Data

Liquid Temperature	40°C (standard)
Depth of Immersion	max 26 m
Solid Passage	40 mm
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	36.0 Amp
Rated Current at 380V	39.3 Amp
Method of Starting	S / D
Power Cable + Control Cable	1 x 10 x 4.0 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	2% Nickel Hardened Cast Iron
Motor Shaft	Stainless Steel
Impeller	Hi-chrome
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel

Weight and Dimensions

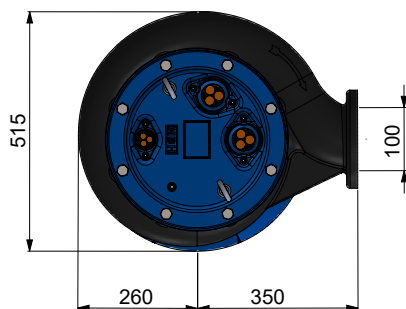
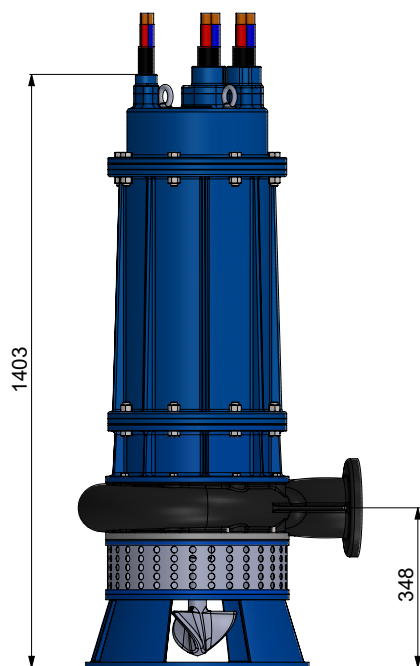
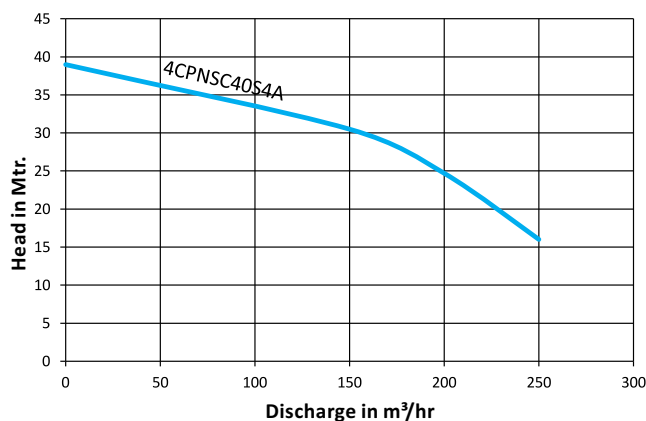
Weight	340 kg
Height	1176 mm
Width	589 mm

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.

ContractorPro



All Dimension are in mm

Technical Data

Pump Information

Model Number	4CPNSC40S4A
Pump Name	ContractorPro
Discharge Connection	4"
Rating	30.0 kW / 40.0 hp

Process Data

Liquid Temperature	40°C (standard)
Depth of Immersion	max 26 m
Solid Passage	40 mm
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	2% Nickel Hardened Cast Iron
Motor Shaft	Stainless Steel
Impeller	Hi-chrome
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel

Weight and Dimensions

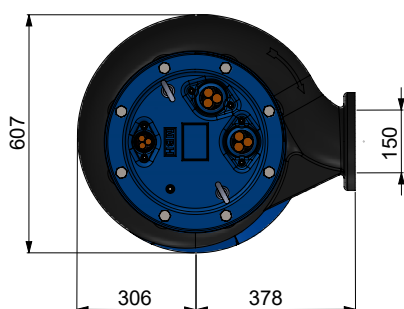
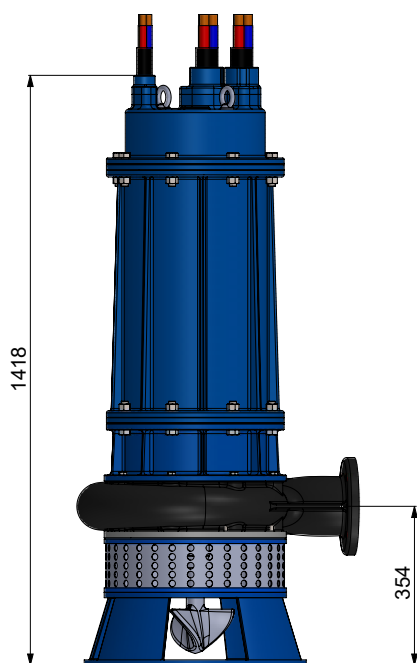
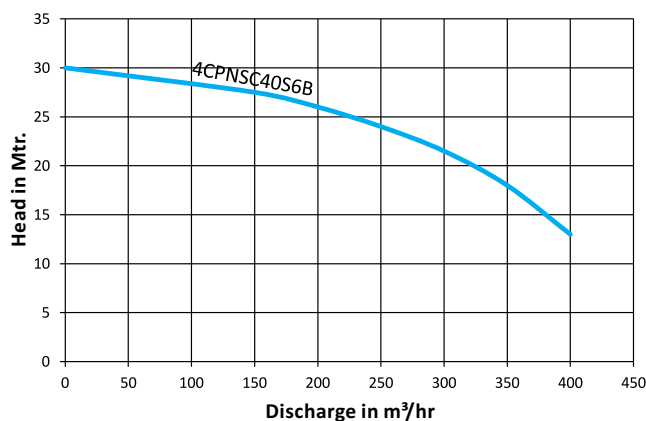
Weight	478 kg
Height	1403 mm
Width	610 mm

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.

ContractorPro XL



All Dimension are in mm

Technical Data

Pump Information

Model Number	4CPNSC40S6B
Pump Name	ContractorPro XL
Discharge Connection	6"
Rating	30.0 kW / 40.0 hp

Process Data

Liquid Temperature	40°C (standard)
Depth of Immersion	max 26 m
Solid Passage	40 mm
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	2% Nickel Hardened Cast Iron
Motor Shaft	Stainless Steel
Impeller	Hi-chrome
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel

Weight and Dimensions

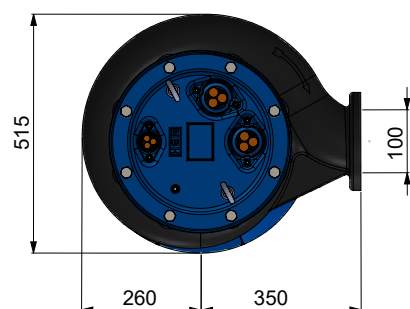
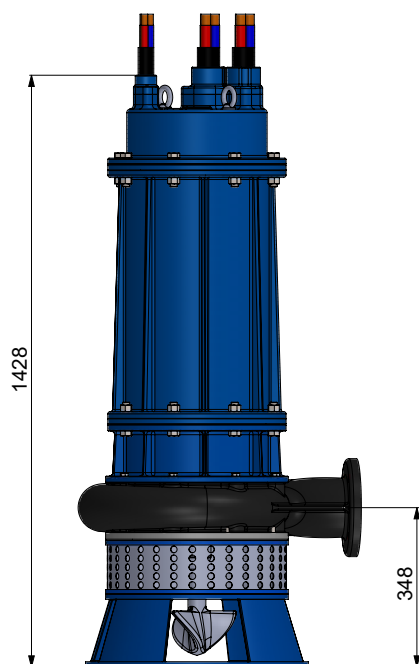
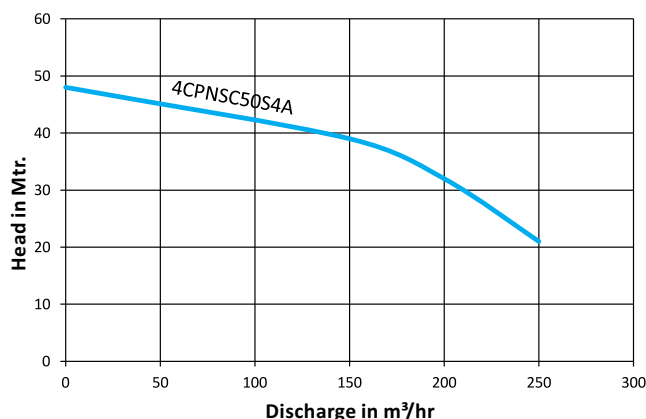
Weight	494 kg
Height	1418 mm
Width	684 mm

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.

Contractor Heavy



All Dimension are in mm

Technical Data

Pump Information

Model Number	4CPNSC50S4A
Pump Name	Contractor Heavy
Discharge Connection	4"
Rating	37.0 kW / 50.0 hp

Process Data

Liquid Temperature	40°C (standard)
Depth of Immersion	max 26 m
Solid Passage	40 mm
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
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Mechanical Face Seals

Inner Seal	CR / SS
Outer Seal	SIC / SIC

Materials

Casing	2% Nickel Hardened Cast Iron
Motor Shaft	Stainless Steel
Impeller	Hi-chrome
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel

Weight and Dimensions

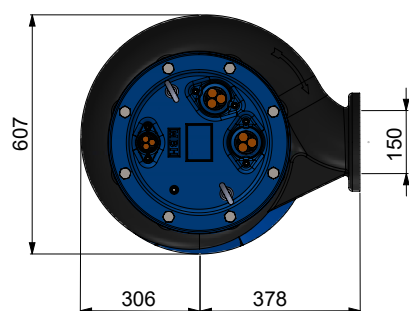
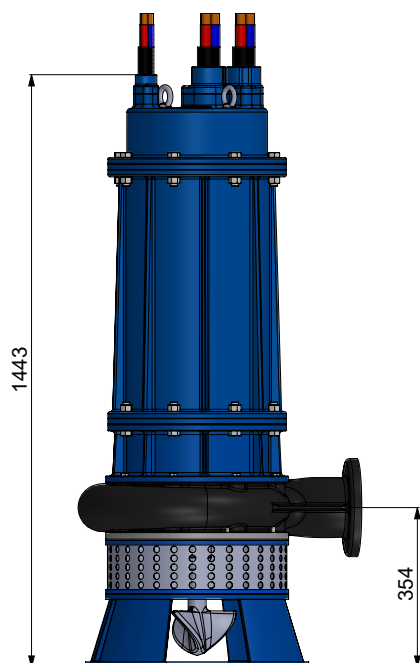
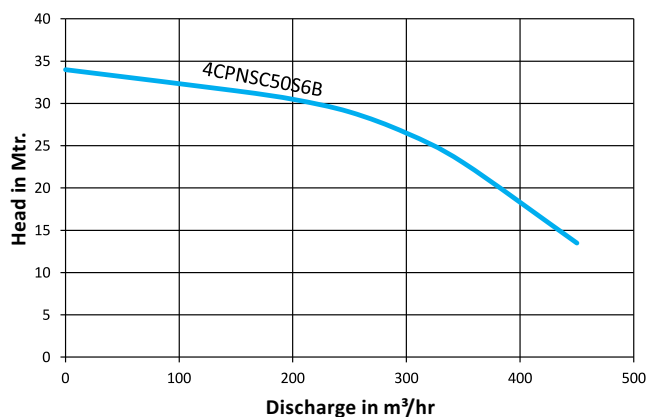
Weight	491 kg
Height	1428 mm
Width	610 mm

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.

Contractor Heavy XL



All Dimension are in mm

Technical Data

Pump Information

Model Number	4CPNSC50S6B
Pump Name	Contractor Heavy XL
Discharge Connection	6"
Rating	37.0 kW / 50.0 hp

Process Data

Liquid Temperature	40°C (standard)
Depth of Immersion	max 26 m
Solid Passage	40 mm
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
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Mechanical Face Seals

Inner Seal	CR / SS
Outer Seal	SIC / SIC

Materials

Casing	2% Nickel hardened Cast Iron
Motor Shaft	Stainless Steel
Impeller	Hi-chrome
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel

Weight and Dimensions

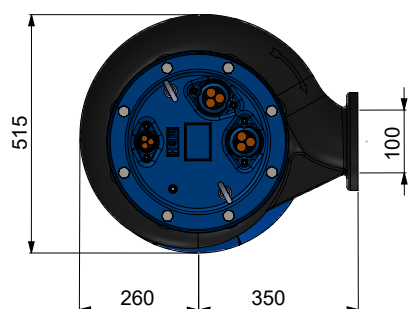
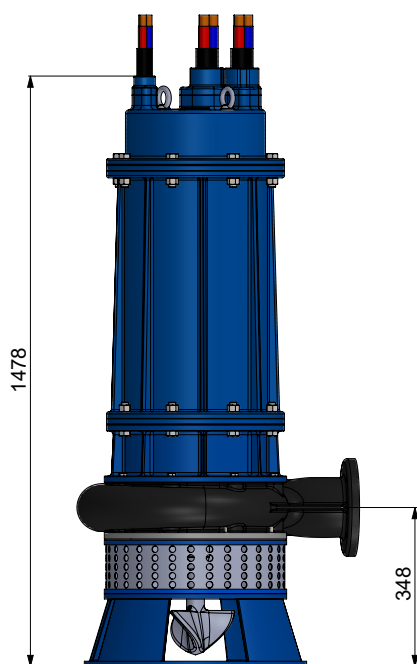
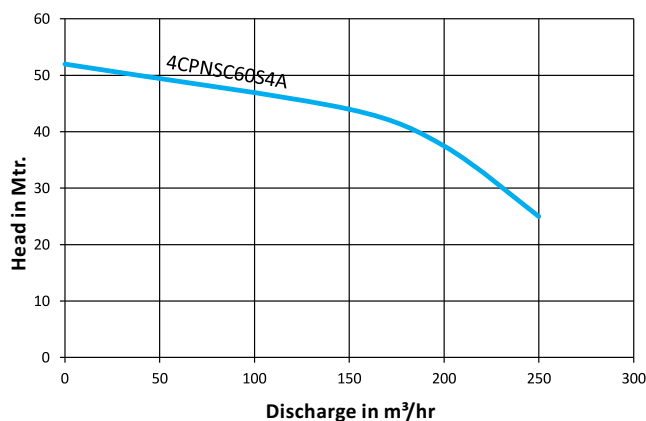
Weight	516 kg
Height	1443 mm
Width	684 mm

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.

Contractor Max



All Dimension are in mm

Technical Data

Pump Information

Model Number	4CPNSC60S4A
Pump Name	Contractor Max
Discharge Connection	4"
Rating	45.0 kW / 60.0 hp

Process Data

Liquid Temperature	40°C (standard)
Depth of Immersion	max 26 m
Solid Passage	40 mm
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
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Mechanical Face Seals

Inner Seal	CR / SS
Outer Seal	SIC / SIC

Materials

Casing	2% Nickel hardened Cast Iron
Motor Shaft	Stainless Steel
Impeller	Hi-chrome
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel

Weight and Dimensions

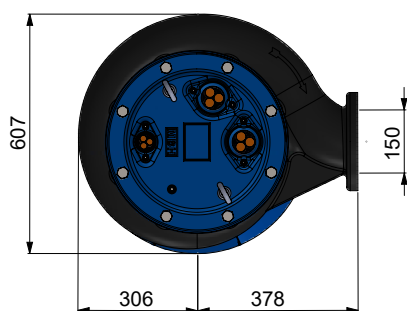
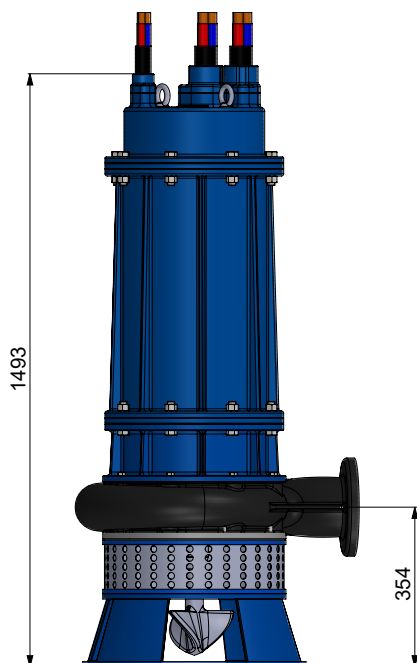
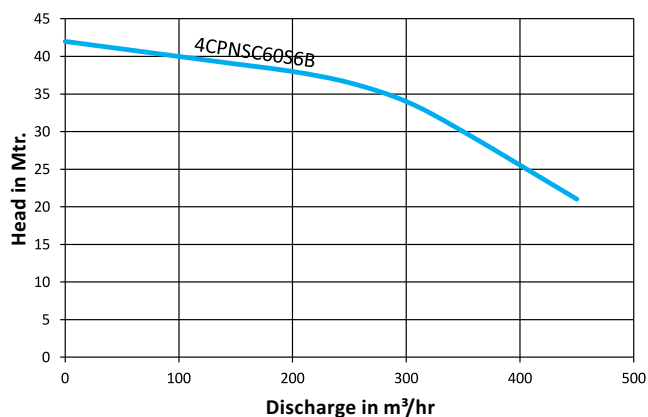
Weight	538 kg
Height	1478 mm
Width	610 mm

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.

Contractor Max XL



All Dimension are in mm

Technical Data

Pump Information

Model Number	4CPNSC60S6B
Pump Name	Contractor Max XL
Discharge Connection	6"
Rating	45.0 kW / 60.0 hp

Process Data

Liquid Temperature	40°C (standard)
Depth of Immersion	max 26 m
Solid Passage	40 mm
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
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Mechanical Face Seals

Inner Seal	CR / SS
Outer Seal	SIC / SIC

Materials

Casing	2% Nickel Hardened Cast Iron
Motor Shaft	Stainless Steel
Impeller	Hi-chrome
Agitator	Hi-chrome
O-rings	Nitrile Rubber
Hardware	Stainless Steel

Weight and Dimensions

Weight	546 kg
Height	1493 mm
Width	684 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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