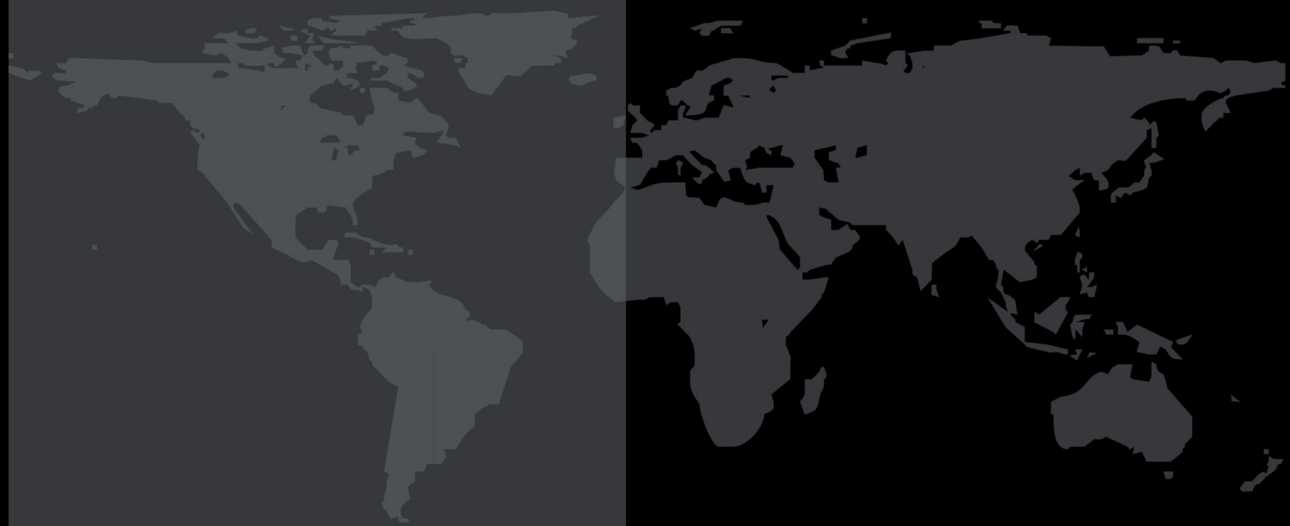
LEO PUMP

60 Hz



Pumps

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LEO GROUP PUMP(ZHEJIANG) CO.,LTD.

2019 V1.1

LEO GROUP PUMP(ZHEJIANG) CO.,LTD. (Stock code: 002131)

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HISTORY

- **1995** Wenling Xinke Pump Research Institute was established
- **2001** The first company exported pumps to EU in pump industry and established Taizhou LEO Electrical Co., Ltd
- **2007** Got listed in Shenzhen Stock Exchange with stock code 002131
- **2009** Recognized as a National Hi-tech Enterprise
- **2010** Established LEO Group Pump (Hunan) Co., Ltd. for industrial pumps manufacturing
- **2012** "LEO" brand was identified as "China Famous Brand"
- **2016** Established LEO Group Pump (Zhejiang) Co., Ltd. for domestic and commercial pumps manufacturing
- **2017** Relocated to smart plant with total area 300 thousand m^2
- **2018** Awarded as intelligent plant by MIIT, P.R.C

TO KNOW LEO

LEO Group (got listed in Shenzhen Stock Exchange with stock code 002131) is a national high-tech enterprise engaged in R&D, design, manufacture, sales and service of all series pumps and systems. LEO is the first listed company in Chinese pump industry, one of the drafters of pump industry standard and the vice president of drainage and irrigation machinery branch of China Agricultural machinery industry association as well. "LEO" has been identified as "China Famous Brand" by the State Administration of Industry and Commerce.It is mentionable that LEO has the only state-authorized technical center in pump industry.

We have set up many production and sales subsidiaries in key regional markets such as America, Hungary, Belgium, Thailand, Indonesia, United Arab Emirates and Bangladesh and authorized exclusive distribution agency in over 100 countries.

Our products have been sold to over 140 countries and regions, such as Europe, North America, Central &South America, Southeast Asia, Middle East, Africa, Oceania ,etc., which play a crucial role in water conservancy , water resources, electric power construction, petrochemical industry, mining, metallurgy, fire-fighting, HVAC(Heating, Ventilation and Air Conditioning), agricultural irrigation, civil water supply and drainage, etc.

LEO has currently two industrial groups respectively for industrial and civilian applications. With four manufacturing bases in Wenling of Zhejiang, Xiangtan of Hunan, Wuxi of Jiangsu and Dalian of Liaoning, LEO possesses a solid foundation to become a world-class pump and system solution provider rapidly.

With over 70 years' professional technology, LEO will continue her consistent creativity and development ability in each pump for human's health.

NUMEROUS MEMBERS, ONE FAMILY

Based on market segment, LEO's pump business is divided into 5 fields, namely water conservancy & water resources, power station, petrochemical industry, mining & metallurgical industry and civilian applications. For each field there's a professional manufacturing base with relevant professional sales teams. Three subsidiary companies, Wuxi LEO Xi Pump, LEO Group Pump (Hunan) and Dalian LEO Pump are all well-known industrial pump manufacturers in their own fields. With over 70 years' industrial pump manufacturing experience and extraordinary comprehensive strength, LEO has become a leading company among all industrial pump manufacturers in China.

Pump Manufacturing Base for Domestic and Commercial Applications
(Wenling City, Zhejiang Province)

LEO Group Pump (Zhejiang) Co., Ltd, a wholly-owned subsidiary of LEO Group Co., Ltd, is the core base for R&D, manufacturing, sales and service of domestic and commercial pumps for family water supply, pipeline boosting, garden and field irrigation, HVAC, etc.

The leading products include peripheral pump, jet pump, centrifugal pump, garden submersible pump, fountain pump,pool pump, doestic lifting station, gasoline engine pump, diesel engine pump, submersible pump, submersible borehole pump, submersible sewage pump,stainless steel vertical multistage pump, etc.

The product range covers 15 series with over 2,000 specifications, which are well sold in more than 120 countries and regions. The base has established steady cooperative relationships with world-class pump manufacturers, importers, dealers and hypermarkets.

Pump Manufacturing Base for General Industrial Pumps
(Xiangtan City, Hunan Province)

Established in 2010, LEO Group Pump (Hunan) Co., Ltd. is a wholly-owned subsidiary by LEO Group Co., Ltd. Located in Jiuhua Economic Development Zone of Xiangtan City, Hunan Province. Covers an area of 85,000m^2 and construction area is about 92,635 m^2 with total investment of approximately 74 million dollars.
It is the most important R&D, manufacturing and testing center of LEO Group. The leading products include large mixed flow and axial flow pump (vertical, horizontal, oblique, tubular, submersible etc.), double-suction centrifugal pump, multistage centrifugal pump, slurry pump, desulphurization pump and submersible centrifugal pump. Products are mainly used in mine, metallurgy, coal washing, FGD, municipal water etc.

Pump Manufacturing Base for Water Conservancy & Water Resources **(Wuxi City, Jiangsu Province)**

Formerly known as Wuxi Xi Pump Manufacturing Co., Ltd., a well-known manufacturer of water conservancy, is specialized in large and medium-sized pumps production for urban water supply and drainage, farmland irrigation, water conservancy projects and large water diversion project. The main products cover 32 series with nearly 1000 specifications. Products exported to more than 20 countries in Asia, Latin-America, Europe and Oceania.
As a main supplier, the base provides large pumps for South-to-North Water Diversion Project—a national key project. There are over 140 technicists, including 1 professor level senior engineer, 16 senior engineers, and 39 engineers.

Pump Manufacturing Base for Petrochemical Industry
(Dalian City, Liaoning Province)

It is the pump manufacturing base for petrochemical industry, combined with Dalian LEO Huaneng Pump Co., Ltd and LEO (Dalian) Industrial Pump Technology Center Co., Ltd.
Formerly known as Dalian Huaneng Corrosion-Resistant Pump Works, the base is specialized in production of petrochemical pumps for crude oil transportation, crude oil refinery, heavy chemical industry, coal chemical industry and fine chemistry, etc. The base focuses on design and manufacture of 30 series (OH, BB, VS, etc.) of petrochemical pumps with over 3000 specifications, which are in accordance with API and ISO standard.
LEO (Dalian) Industrial Pump Technology Center Co., Ltd. is one of the research branch of national level technology center for petrochemical pumps, specializes in R&D , design of pumps of petro chemistry, coal chemical industry, long-distance transport pipes, energy resources, fine chemicals industry, etc. Design and develop software and large laboratories, explore liquid transport schemes under severe conditions and solve the difficult projects of ultralow temperature, high temperature, high pressure, low cavitation, highly corrosive, energy recovery, etc.

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SPm
Submersible Peripheral Pump

Application
- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

Pump
- Special anti-rust treatment for cast iron pump body
- Max. fluid temperature: +40°C
- Max. immersion depth: 5 m
- Liquid PH value: 6.5 – 8.5
- Maximum sand content: 0.1%
- Maximum solid diameter: 0.2 mm

Motor
- Insulation class: F
- Protection class: IPX8

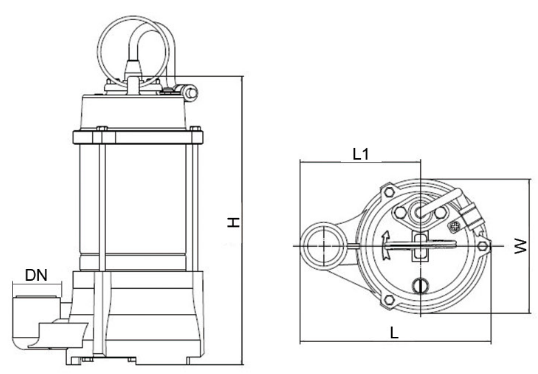
Identification Codes

S P m 37 (A)

- (A) — Automatic Operation With Float Switch
- 37 — Power (X10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- P — Peripheral Pump
- S — Submersible Type

Technical Data

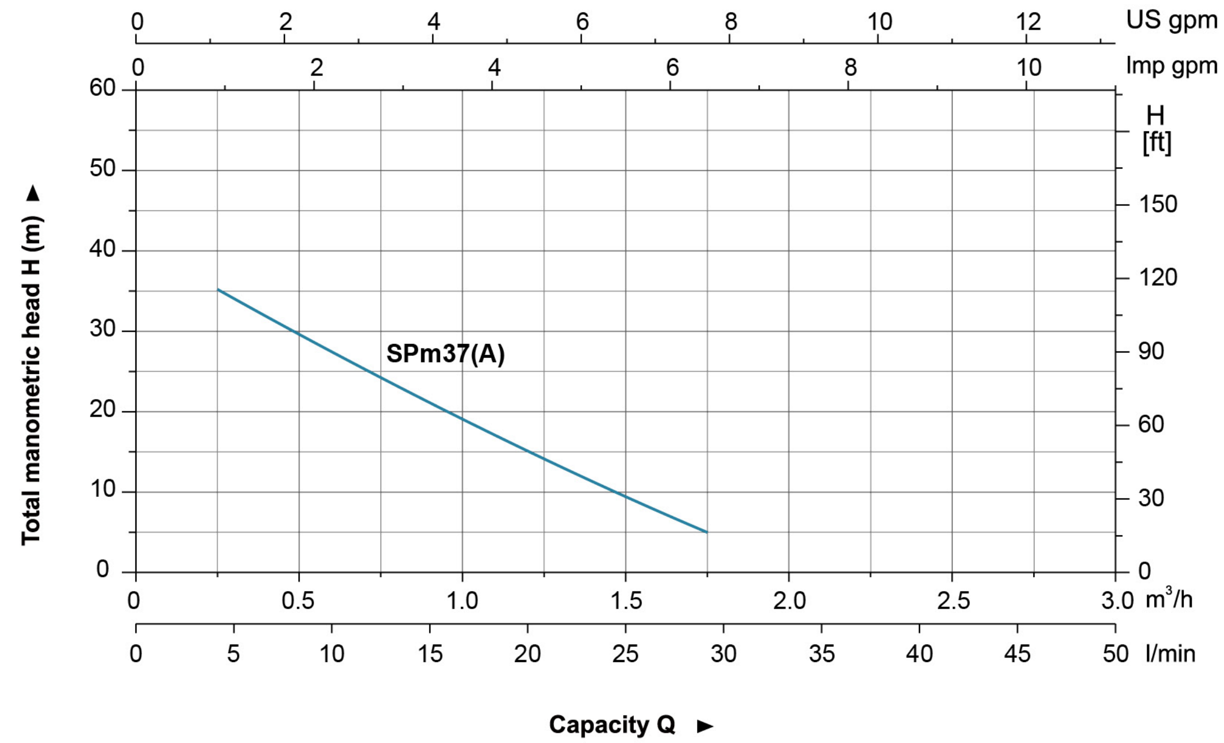
MODEL	POWER		Q (m³/h)	0	0.5	1	1.5	2.0
	kW	HP	Q (l/min)	0	8.35	16.7	25.05	33.4
SPm37(A)	0.37	0.5	H(m)	41.4	30.6	20.4	9.8	-



Dimension

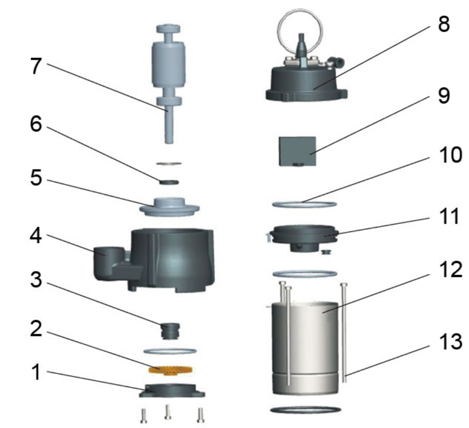
MODEL	DN	L (mm)	L1 (mm)	H (mm)	W (mm)
SPm37(A)	1"	170	106	244	118

Hydraulic Performance Curves



Materials Table

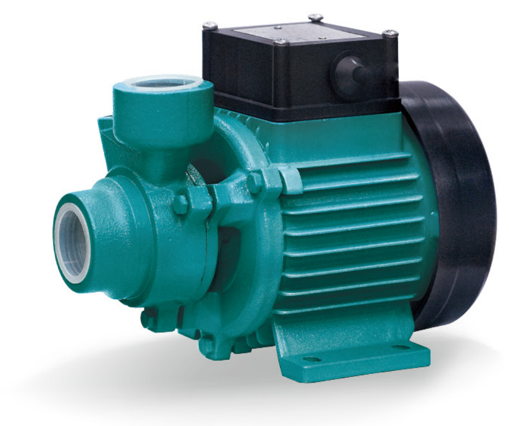
No.	Part	Material
1	Casing cover	HT200
2	Impeller	Brass
3	Mechanical seal	Carbon/Ceramic
4	Pump body	HT200
5	Lower bearing seat	ZL 102
6	Oil seal	
7	Rotor	
8	Top cover	HT200
9	Capacitor	
10	O-ring	NBR
11	Upper bearing seat	HT200
12	Stator	
13	Screw	



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
SPm37(A)	7.56	184	135	300	2439

XKm
Peripheral Pump



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

Pump

- Special anti-rust treatment for cast iron pump body
- Brass impeller
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- C&U bearing
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

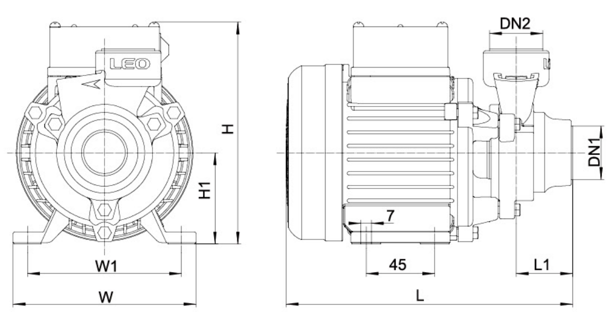
Identification Codes

XK m 50 - 1

- 1 — Improvement Code
- 50 — Impeller Nominal Diameter (mm)
- m — Single Phase Motor
- XK — Peripheral Pump

Technical Data

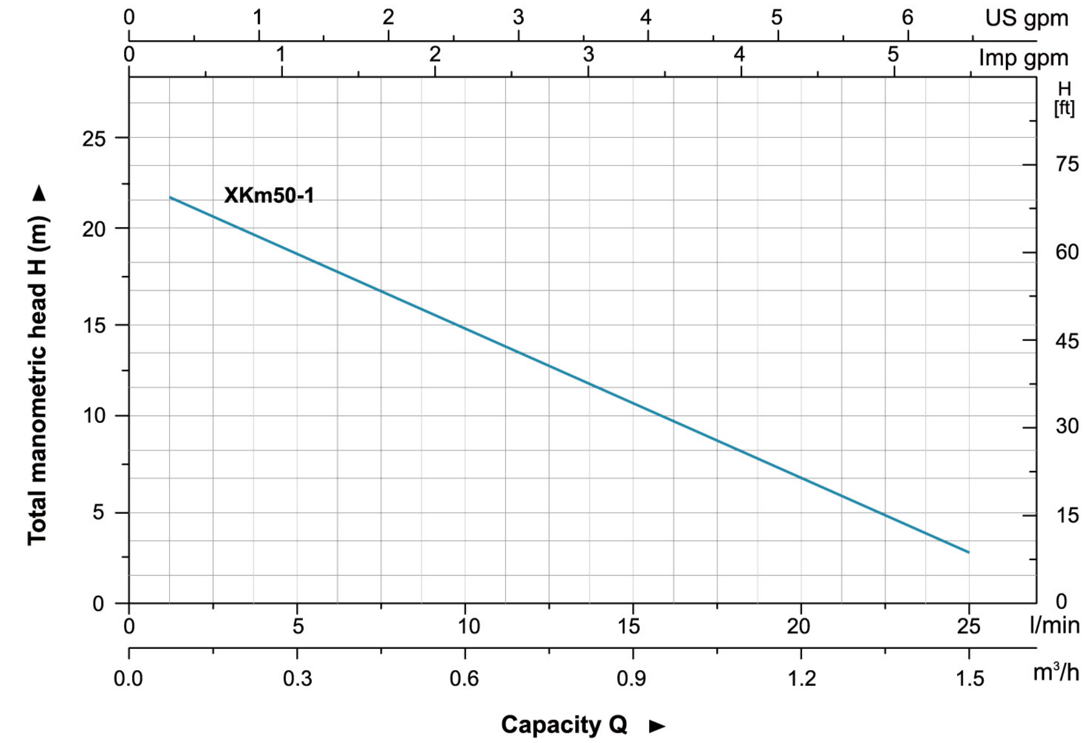
MODEL	POWER		Q (m^3/h)	0	0.3	0.6	0.9	1.2	1.5
	kW	HP	Q (l/min)	0	5	10	15	20	25
XKm50-1	0.11	0.15	H (m)	23	19	15	11	7	3



Dimension

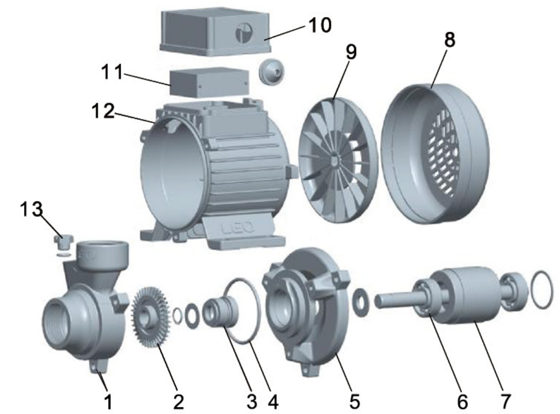
MODEL	DN1	DN2	L (mm)	L1 (mm)	H (mm)	H1 (mm)	W (mm)	W1 (mm)
XKm50-1	1"	1"	186.5	36	146	60	120	100

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	HT 200
2	Impeller	Brass
3	Mechanical seal	Carbon/Ceramic
4	O-ring	NBR
5	Support	HT 200
6	Bearing	
7	Rotor	
8	Fan cover	PP
9	Fan	PP
10	Terminal box	PC/ABS
11	Capacitor	
12	Stator	
13	Filling plug	HPb59-1



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XKm50-1	3.6	200	140	160	4680

APm

Peripheral Pump

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

Pump

- Special anti-rust treatment for cast iron pump body and support
- Anti-block system for impeller
- Brass impeller
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- C&U bearing
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

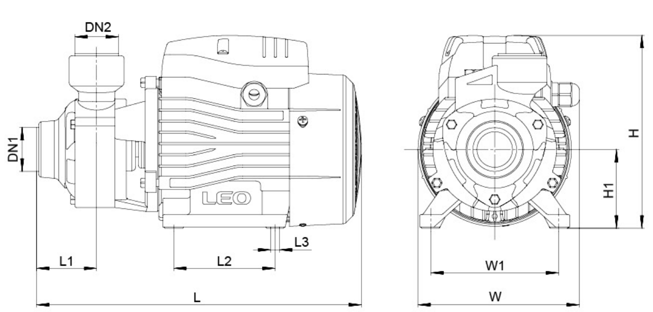
Identification Codes

A P m 37

- 37 — Power (×10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- P — Peripheral Pump
- A — LEO Product Style

Technical Data

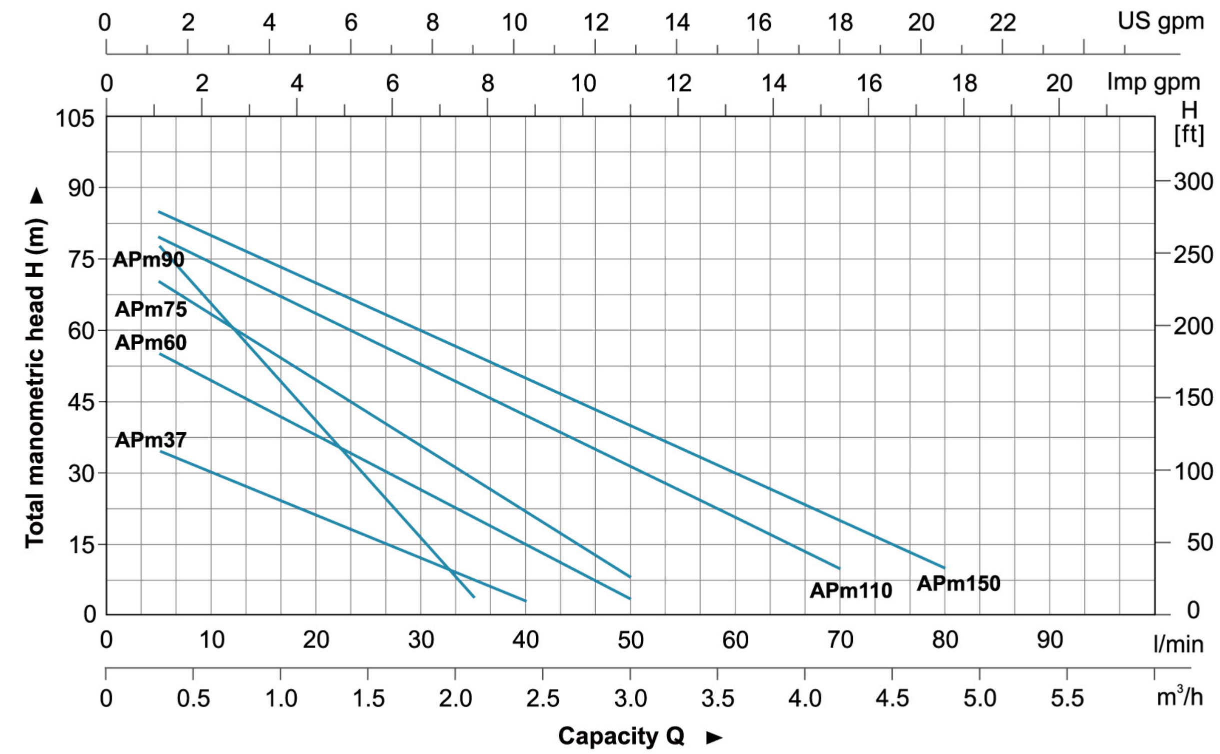
MODEL		POWER		Q (m^3/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3.0	3.6	4.2	4.8
Single Phase	Three Phase	kW	HP	Q (l/min)	0	5	10	15	20	25	30	35	40	50	60	70	80
APm37	-	0.37	0.5	H (m)	40	35	30	25	20	15	10	8	-	-	-	-	-
APm60	-	0.6	0.8		60	55	50	40	35	30	25	20	10	5	-	-	-
APm75	-	0.75	1.0		75	70	60	50	45	35	28	22	15	5	-	-	-
APm90	-	0.75	1.0		90	75	60	50	35	25	15	5	-	-	-	-	-
APm110	AP110	1.1	1.5		85	80	75	65	60	55	50	45	40	30	18	10	-
APm150	AP150	1.5	2.0		90	86	80	75	70	65	60	55	50	40	30	20	10



Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	L2 (mm)	L3 (mm)	W1 (mm)	H1 (mm)
APm37	1"	1"	260	132	155	46.5	80	8.5	100	63
APm60			282	147	183	51	90	8.5	112	71
APm75			300	147	183	54.5	90	8.5	112	71
APm90	3/4"	3/4"	297	147	183	50	90	8.5	112	71
APm110	1"	1"	336	165	210	56	100	9	125	86
APm150			338	165	210	56	100	9	125	86

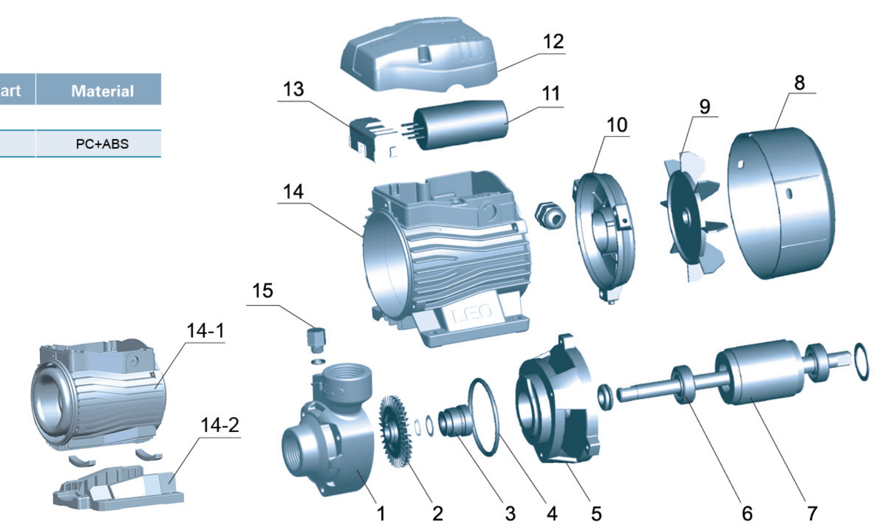
Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	HT200
2	Impeller	Brass
3	Mechanical seal	Carbon/Ceramic
4	O-ring	NBR
5	Support	HT200
6	Bearing	
7	Rotor	
8	Fan cover	PP
9	Fan	PP
10	Rear cover	ZL102
11	Capacitor	
12	Terminal box	PA6-GF25
13	Terminal board	PC
14	Stator	
15	Filling plug	HPb59-1

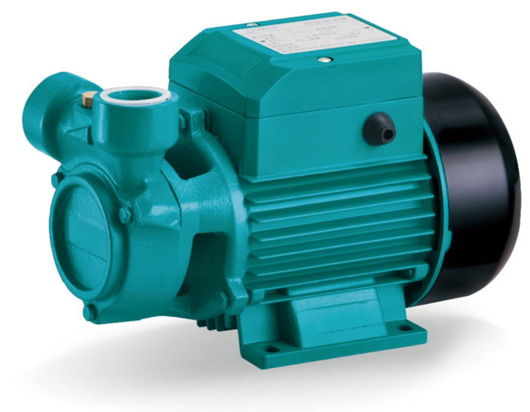
No.	APm220 Part	Material
14-1	Stator	
14-2	Base	PC+ABS



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
APm37	5.5	283	158	171	3132
APm60	9.0	315	190	210	2365
APm75	10.5	335	190	210	2222
APm90	10.5	335	190	210	2222
APm110	15.9	370	210	235	1230
APm150	16.5	370	210	235	1230

XQm
Peripheral Pump



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

Pump

- Special anti-rust treatment for cast iron pump body and support
- Brass impeller
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- C&U bearing
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

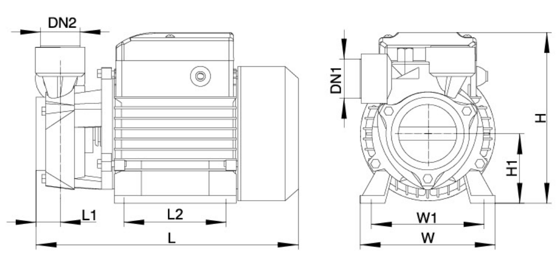
Identification Codes

XQ m 50

- 50 — Impeller Nominal Diameter (mm)
- m — Single Phase Motor
- XQ — Peripheral Pump

Technical Data

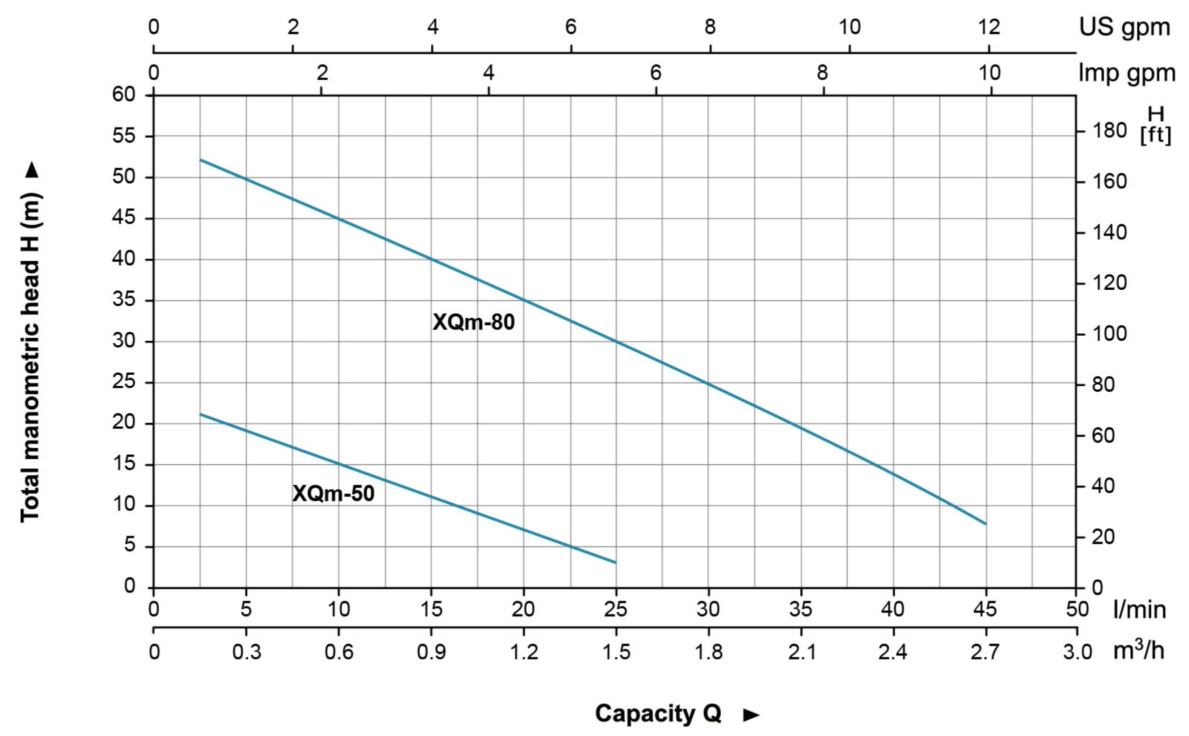
Model	POWER		Q (m^3/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7
	kW	HP	Q (l/min)	0	5	10	15	20	25	30	35	40	45
XQm50	0.125	0.15	H (m)	23	19	15	11	7	3	-	-	-	-
XQm80	0.75	1.0		55	50	45	40	35	30	25	20	15	8



Dimension

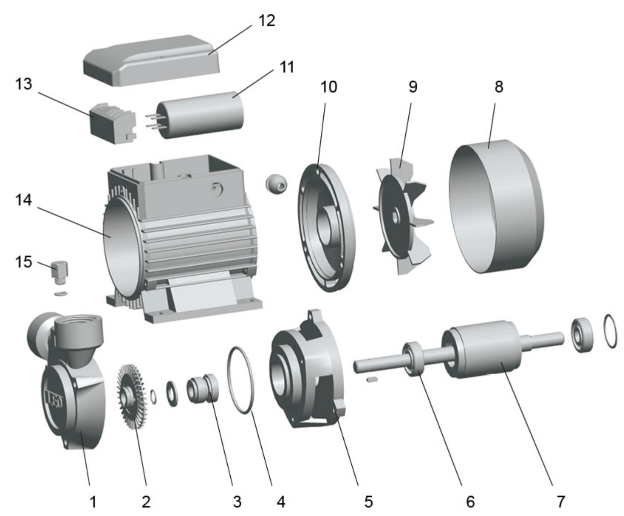
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	L2 (mm)	W1 (mm)	H1 (mm)
XQm50	1"	1"	173	120	146	15	45	100	60
XQm80			272	142	180	25	90	112	71

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	HT200
2	Impeller	Brass
3	Mechanical seal	Carbon/Ceramic
4	O-ring	NBR
5	Support	HT200
6	Bearing	
7	Rotor	
8	Fan cover	08F
9	Fan	PP
10	Rear cover	ZL102
11	Capacitor	
12	Terminal box	ABS
13	Terminal board	PC
14	Stator	
15	Filling plug	HPb59-1



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XQm50	3.6	180	140	162	5262
XQm80	10.3	345	180	210	1941

APSm

Self-priming Peripheral Pump

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

Pump

- Special anti-rust treatment for cast iron pump body and support
- Anti-block system for impeller
- Brass impeller
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +9 m
- Self-priming

Motor

- C&U bearing
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

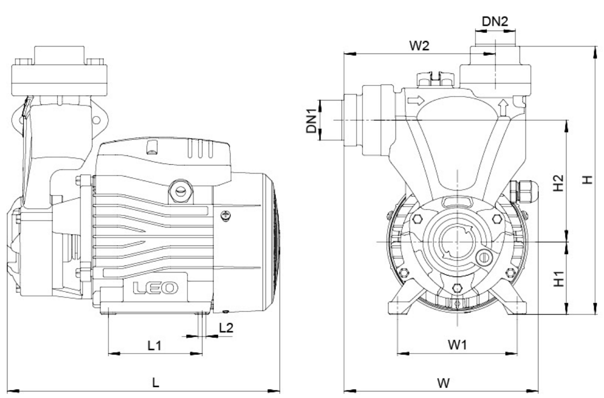
Identification Codes

A P S m 37

- 37 — Power (×10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- S — Self-priming
- P — Peripheral Pump
- A — LEO Product Style

Technical Data

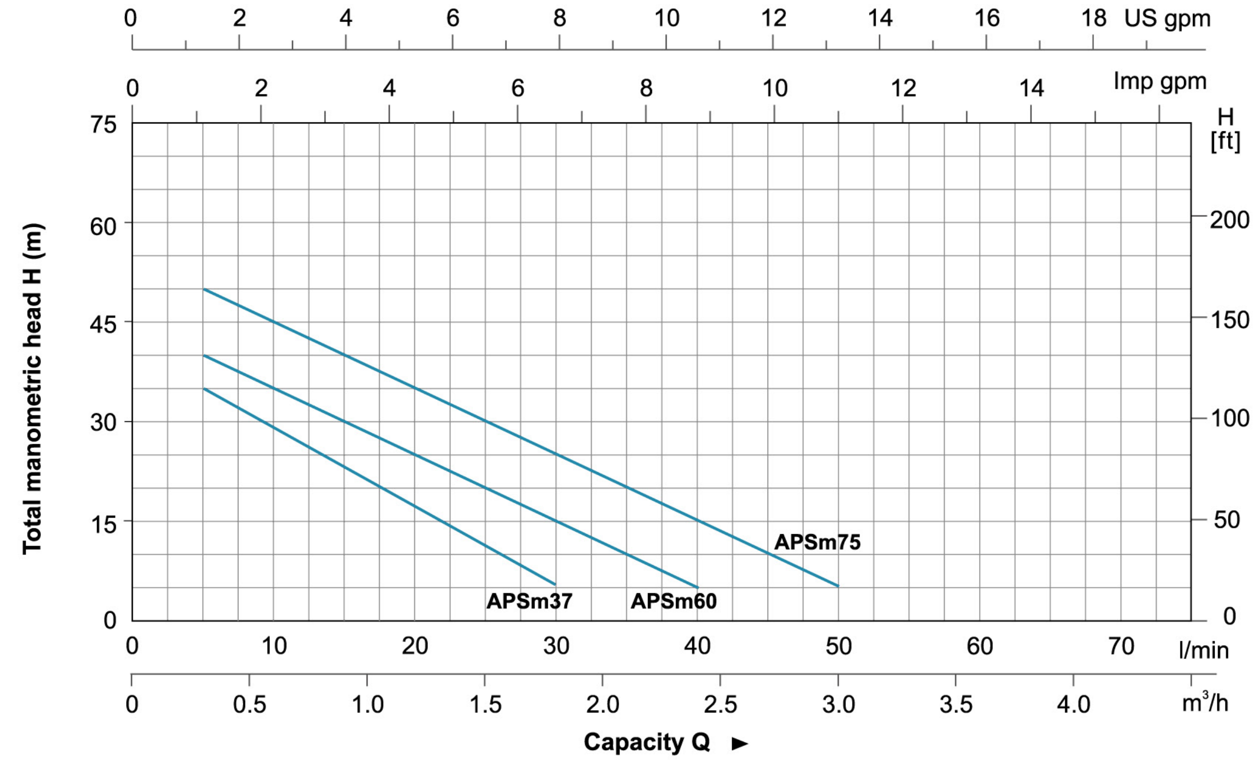
MODEL	POWER		Q (m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3.0
	kW	HP	Q (l/min)	0	5	10	15	20	25	30	35	40	50
APSm37	0.37	0.5	H (m)	40	35	28	22	18	12	5	-	-	-
APSm60	0.6	0.8	H (m)	45	40	32	28	22	18	12	8	5	-
APSm75	0.75	1.0	H (m)	55	50	42	38	32	28	22	18	12	5



Dimension

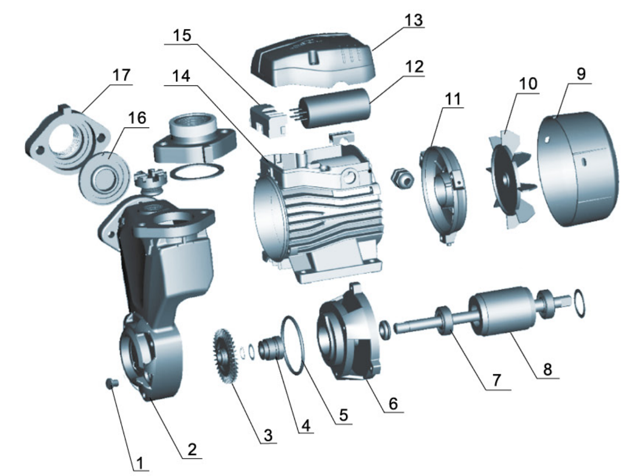
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	H1 (mm)	H2 (mm)
APSm37	1"	1"	239	170	234	80	8.5	100	128	63	106
APSm60	1"	1"	260	180	251	90	8.5	112	132	71	120
APSm75	1"	1"	270	180	260	90	8.5	112	142	71	130

Hydraulic Performance Curves



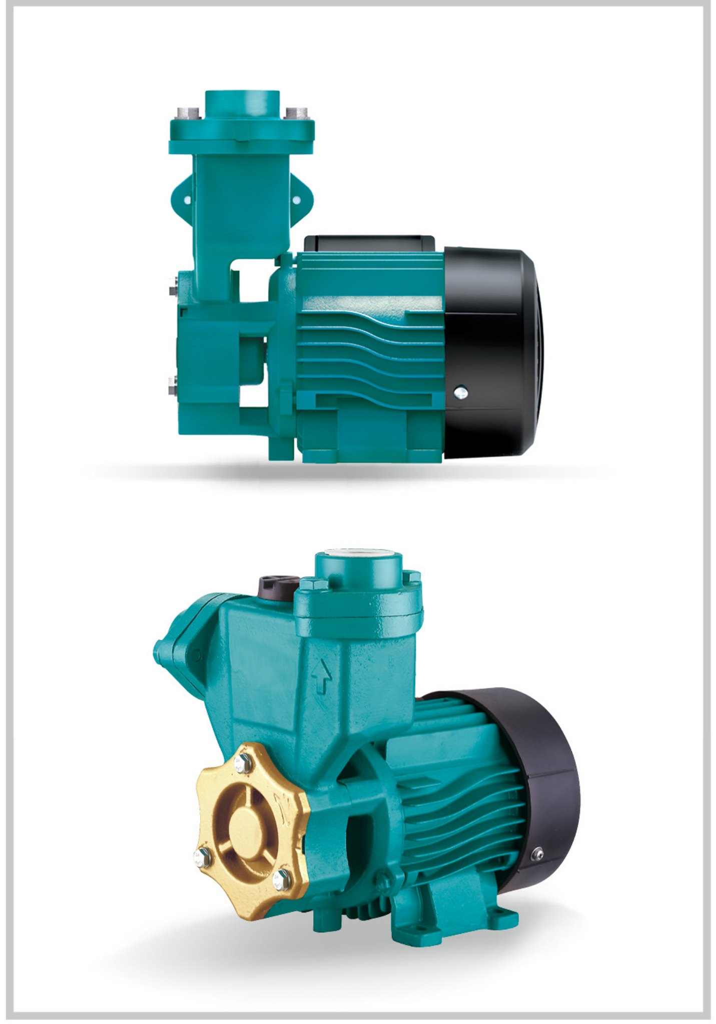
Materials Table

No.	Part	Material
1	Screw	Steel
2	Pump body	HT200
3	Impeller	Brass
4	Mechanical seal	Carbon/Ceramic
5	O-ring	NBR
6	Support	HT200
7	Bearing	
8	Rotor	
9	Fan cover	PP
10	Fan	PP
11	Rear cover	ZL102
12	Capacitor	
13	Terminal box	PA6-GF25
14	Stator	
15	Terminal board	PC
16	Non-return valve	NBR
17	Connector	HT200



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
APSm37	7.2	275	200	265	2040
APSm60	10.8	290	205	285	1736
APSm75	12.3	305	214	290	1365



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

Pump

- Special anti-rust treatment
- Brass impeller
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- C&U bearing
- Built-in thermal protector
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

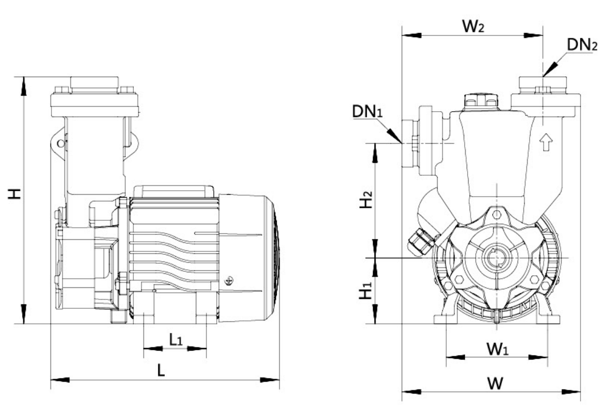
Identification Codes

L K S m 126

- 126 — Power (W)
- m — Single Phase Motor
- S — Self-priming
- K — Peripheral Pump
- L — LEO Product Style

Technical Data

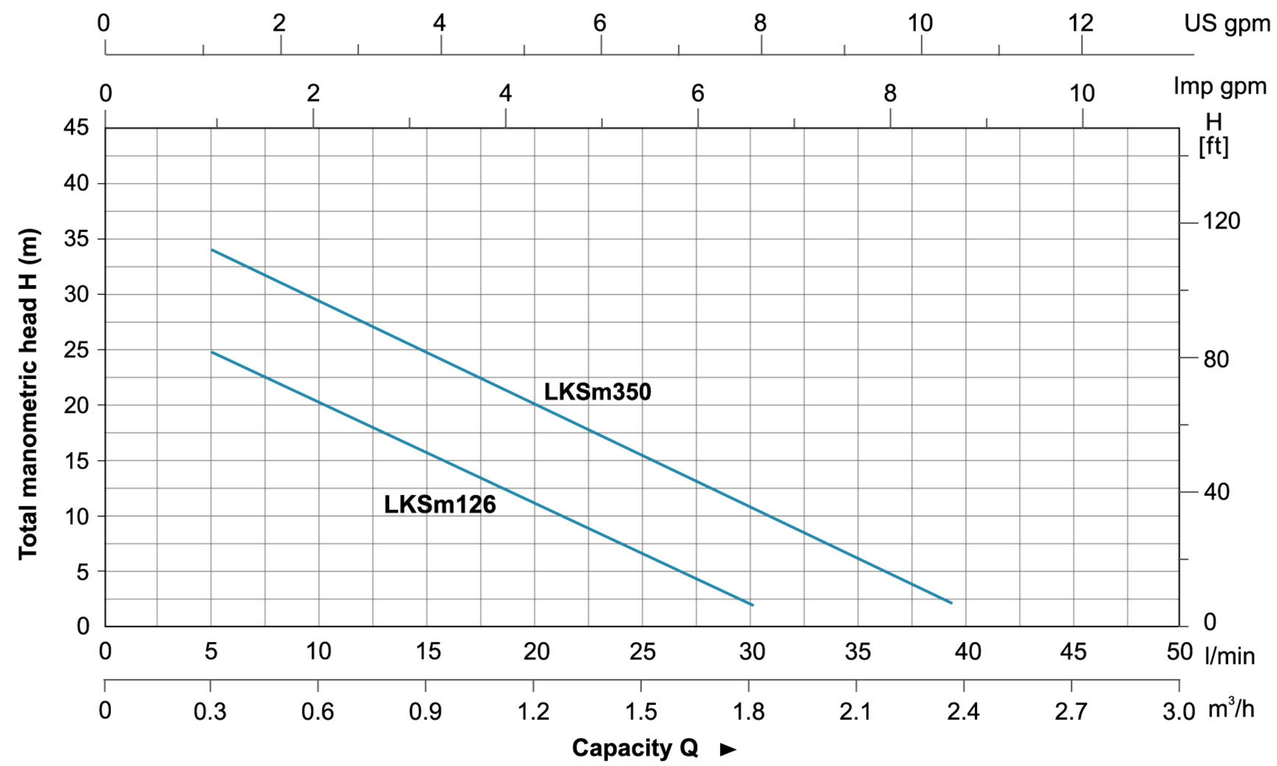
MODEL	POWER		Q (m^3/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7
	kW	HP	Q (l/min)	0	5	10	15	20	25	30	35	40	45
LKSm126	0.125	0.17	H (m)	30	25	20.5	16	12	8	4	-	-	-
LKSm350	0.35	0.47		35	32	28	24	20	16	12	8	4	-



Dimension

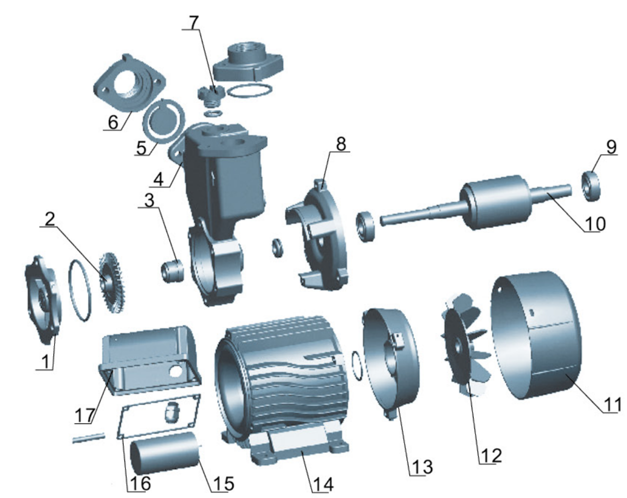
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L_1 (mm)	W_1 (mm)	W_2 (mm)	H_1 (mm)	H_2 (mm)
LKSm126	1"	1"	215	170	220	60	97	140	63	88.5
LKSm350			215	175	245	60	97	142	63	110

Hydraulic Performance Curves



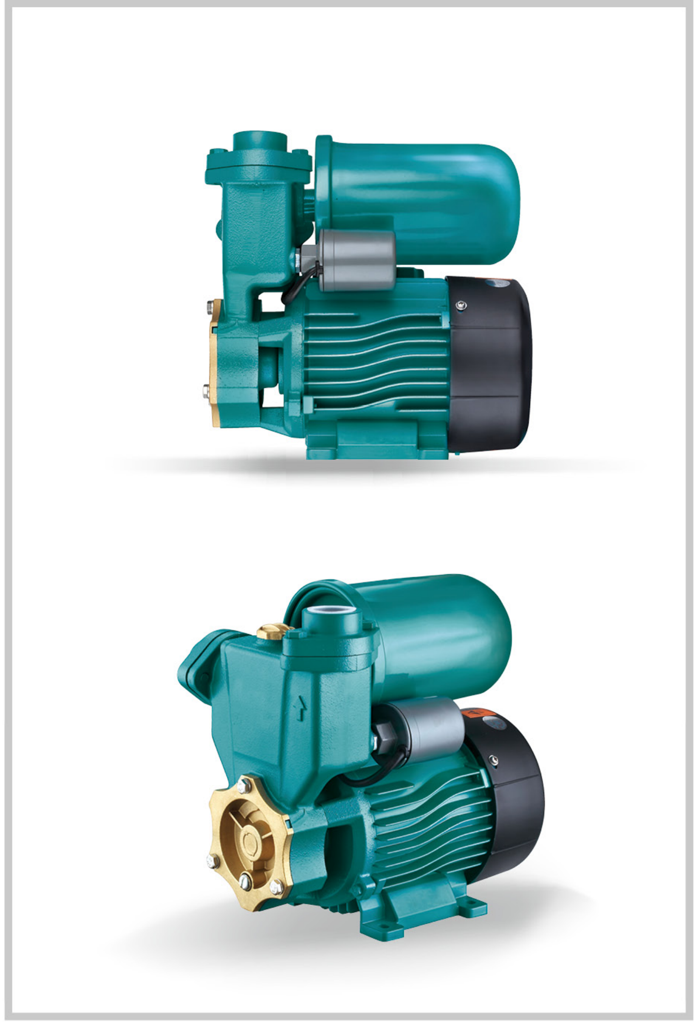
Materials Table

No.	Part	Material
1	Pump bonnet	Brass/Cast iron
2	Impeller	Brass
3	Mechanical seal	Carbon/Ceramic
4	Pump body	HT200
5	Check valve	NBR
6	Outlet connector	HT200
7	Filling plug	Brass
8	Front plate	HT200
9	Bearing	
10	Rotor	
11	Fan cover	PP
12	Fan	PP
13	Rear cover	ZL 102
14	Stator	
15	Capacitor	
16	Sealing ring	NBR
17	Terminal box	PA6-GF25



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
LKSm126	6.6	250	205	250	2205
LKSm350	7.6	250	205	270	1960



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

Pump

- With 2 L pressure tank for automatic operation
- Special anti-rust treatment
- Brass impeller
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +9m

Motor

- C&U bearing
- Built-in thermal protector
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

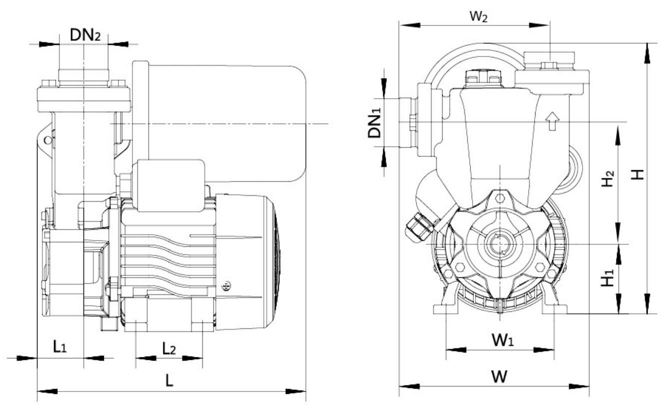
Identification Codes

L K S m 350 A

- A — Air Tank
- 350 — Power (W)
- m — Single Phase Motor
- S — Self-priming
- K — Peripheral Pump
- L — LEO Product Style

Technical Data

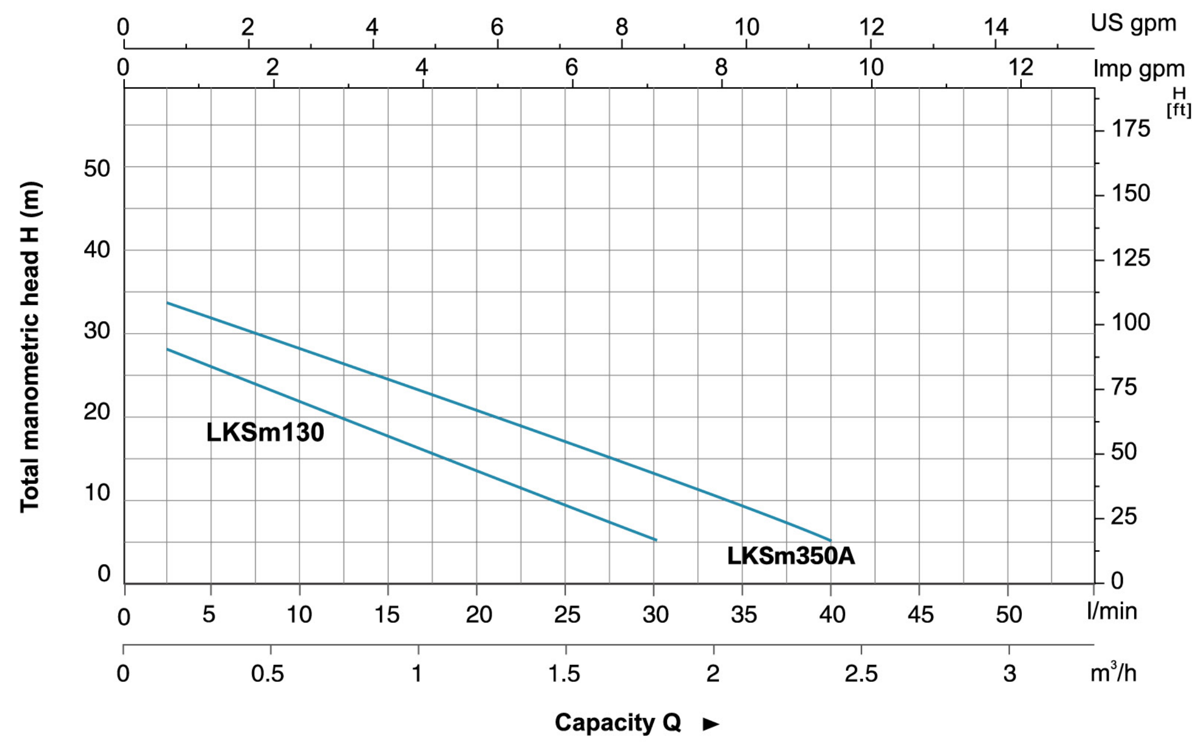
MODEL	POWER		Q (m^3/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4
	kW	HP	Q (l/min)	0	5	10	15	20	25	30	35	40
LKSm130	0.125	0.17	H (m)	30	25	20.5	16	12	8	4	-	-
LKSm350A	0.35	0.47		35	32	28	24	20	16	12	8	4



Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L_1 (mm)	W_1 (mm)	W_2 (mm)	H_1 (mm)	H_2 (mm)
LKSm130	1"	1"	265	165	245	60	97	140	63	107.5
LKSm350A			265	165	250	60	97	135	63	110

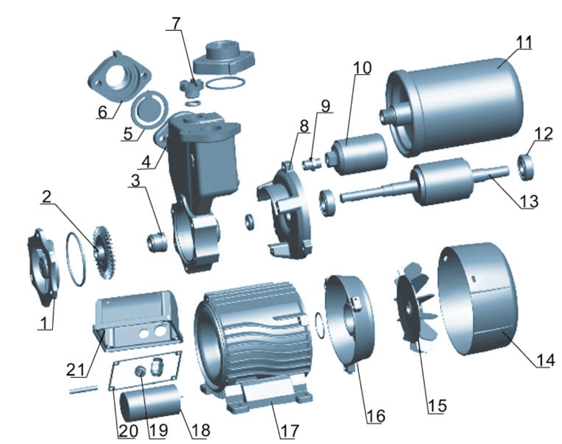
Hydraulic Performance Curves



Materials Table

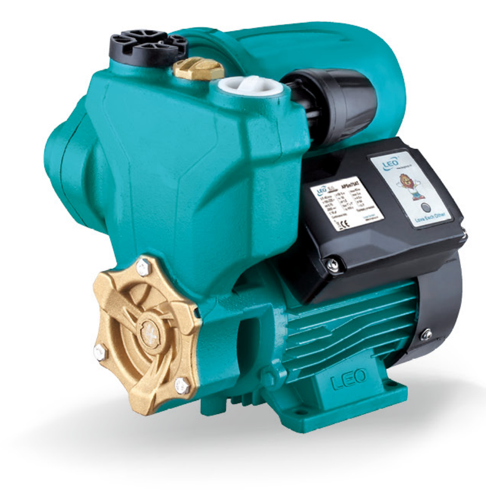
No.	Part	Material
1	Pump bonnet	Brass/Cast iron
2	Impeller	Brass
3	Mechanical seal	Carbon/Ceramic
4	Pump body	HT200
5	Check valve	NBR
6	Outlet connector	HT200
7	Filling plug	Brass
8	Front plate	HT200
9	Bend	Iron
10	Pressure switch	
11	Pressure tank	Iron
12	Bearing	
13	Rotor	
14	Fan cover	PP
15	Fan	PP
16	Rear cover	ZL102
17	Stator	

No.	Part	Material
18	Capacitor	
19	Cable holder	NBR
20	Sealing ring	NBR
21	Terminal box	ABS



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
LKSm130	7.8	285	195	290	1603
LKSm350A	8.6	285	195	290	1603



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply,automatic water sprinkler system,small air conditioner system or supporting equipment etc.

Pump

- 2-Seconds delayed start after plug into the socket to avoid potential danger caused by electric sparks
- Non-water protection
- Automatical detection if there is coming water from pump inlet.
- Anti-blocking protection
- Operating status display(Powering up/Running/No water)

Motor

- C&U bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max.ambient temperature: +40 ℃

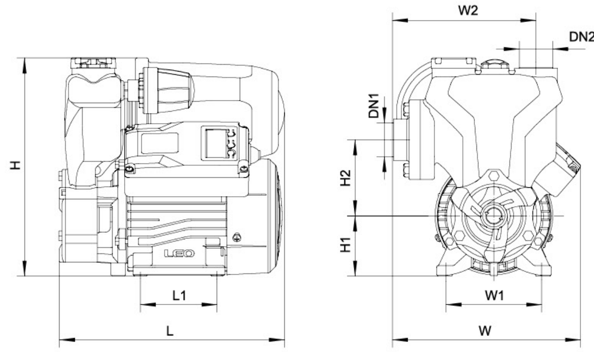
Identification Codes

A P S m 37 AT

- AT — Automatic
- 37 — Power（X10 W）
- m — Single Phase Motor (Omitted for three-phase motor)
- S — Self-priming
- P — Peripheral Pump
- A — LEO Product Style

Technical Data

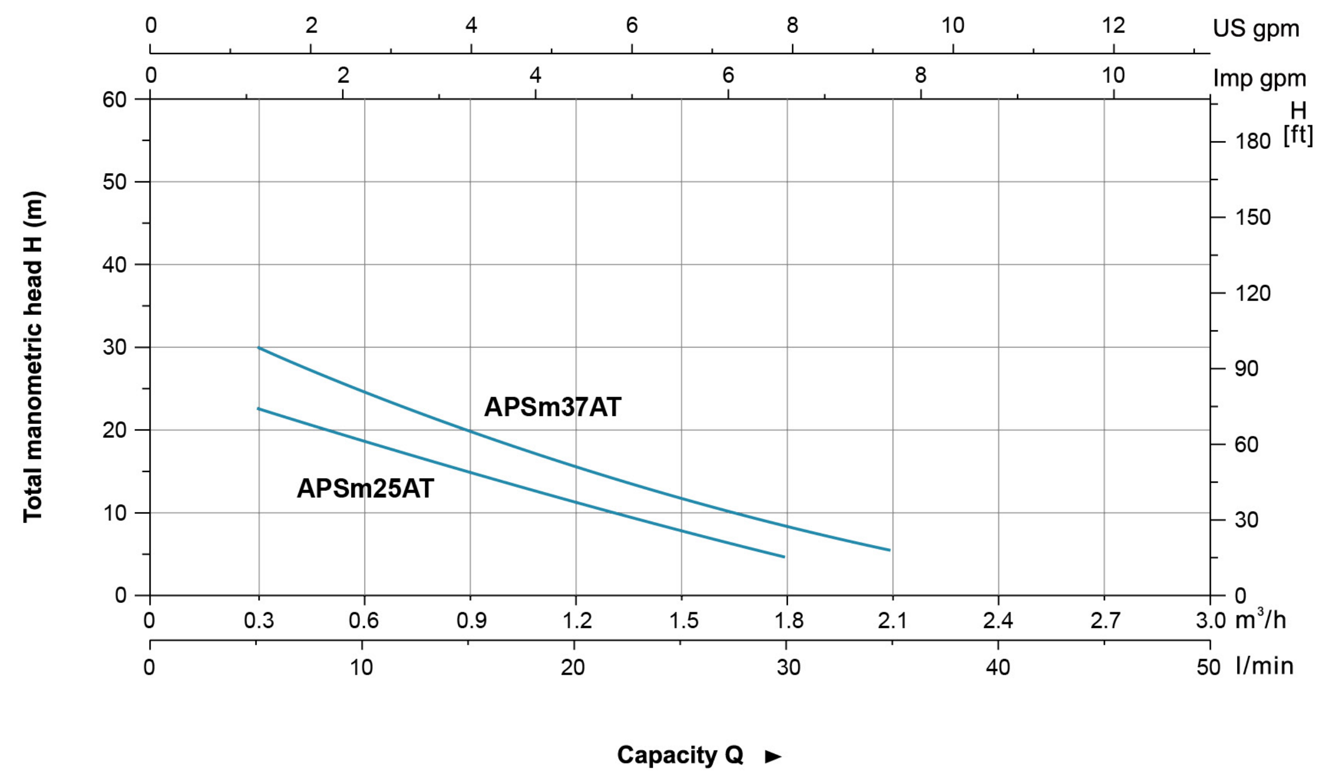
MODEL	POWER		Q (m^3/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1
	kW	HP	Q (l/min)	0	5	10	15	20	25	30	35
APSm25AT	0.25	0.3	H (m)	25	22	20	15	10	8	5	-
APSm37AT	0.37	0.5	H (m)	35	30	25	20	15	12	8	5



Dimension

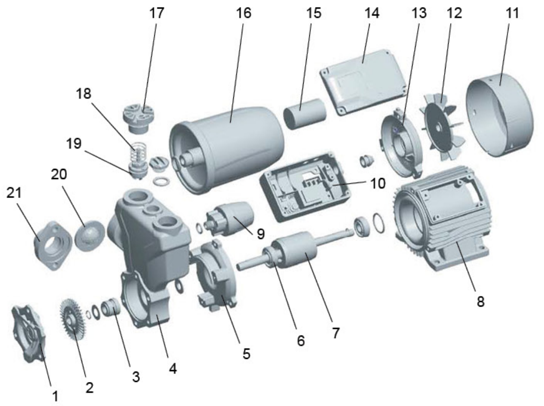
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L_1 (mm)	W_1 (mm)	W_2 (mm)	H_1 (mm)	H_2 (mm)
APSm25AT	1"	1"	235	200	228	80	100	160	63	80
APSm37AT	1"	1"	235	200	228	80	100	160	63	80

Hydraulic Performance Curves



Materials Table

No.	Part	Material	No.	Part	Material
1	Pump Cover	Brass	12	Fan	PP-GF15
2	Impeller	Brass	13	End plate	ZL 102
3	Mechanical seal	Carbon/Ceramic	14	Terminal cover	ABS
4	Pump body	HT200	15	Capacitor	
5	Front plate	HT200	16	Pressure tank	Iron
6	Bearing		17	Pump head	PA66
7	Rotor		18	Check-valve spring	AISI 304
8	Stator		19	Check valve	PPO
9	Pressure sensor		20	Sealing ring	Rubber
10	Cover box	ABS	21	Inlet connection	HT200
11	Fan cover	PP-GF10			



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
APSm25AT	9.23	290	245	275	1408
APSm37AT	10.1	290	245	275	1408

AJm

Stainless Steel Jet Pump

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for lifting water from the well, sprinkling irrigation in garden, pressure boosting of running water, and supporting equipment etc.

Pump

- Stainless steel pump body
- Support under special anti-rust treatment
- Stainless steel impeller
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +9 m

Motor

- C&U bearing
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

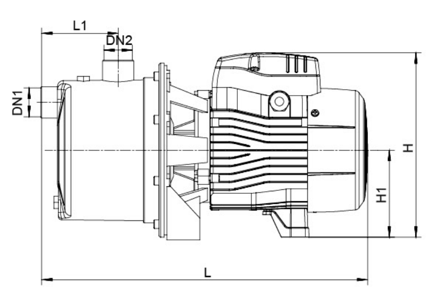
Identification Codes

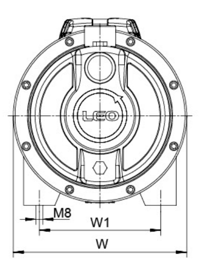
A J m 45 S

- S — Stainless Steel Pump Body
- 45 — Power (×10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- J — Jet Pump
- A — LEO Product Style

Technical Data

MODEL	POWER		Q (m³/h)	0	0.6	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.8	3.0	3.3	3.6
	kW	HP	Q (l/min)	0	5	10	15	20	25	30	35	40	47	50	55	60
AJm30S	0.3	0.4	H (m)	30	26	23	20	18	16.5	15	13	11	-	-	-	-
AJm45S	0.45	0.6		38	35	31	28	25	22	20	18	16	-	-	-	-
AJm60S	0.6	0.8		42	37	33	30	27	25	23	21	20	18	-	-	-
AJm75S	0.75	1.0		47	42	38	36	34	32	30	28	27	25	23	20	-
AJm90S	0.9	1.2		48	44	42	39	37	35	34	32	31	29	28	26	22

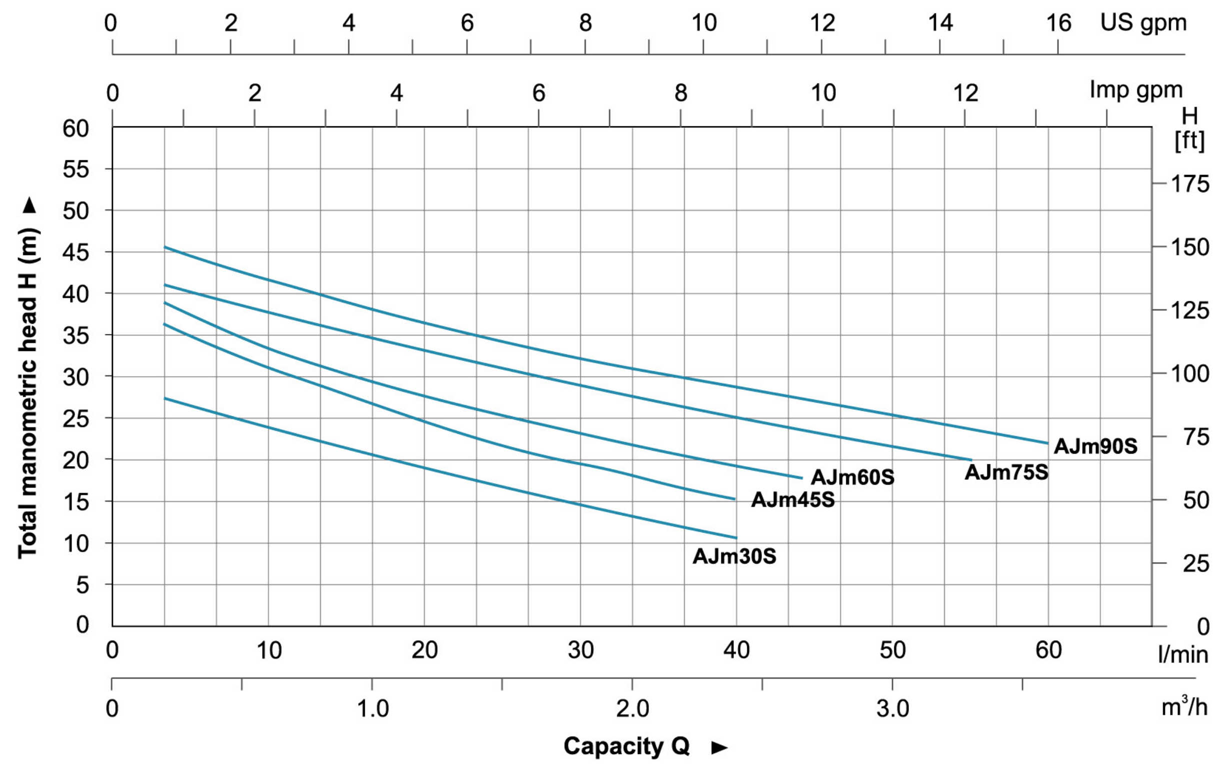




Dimension

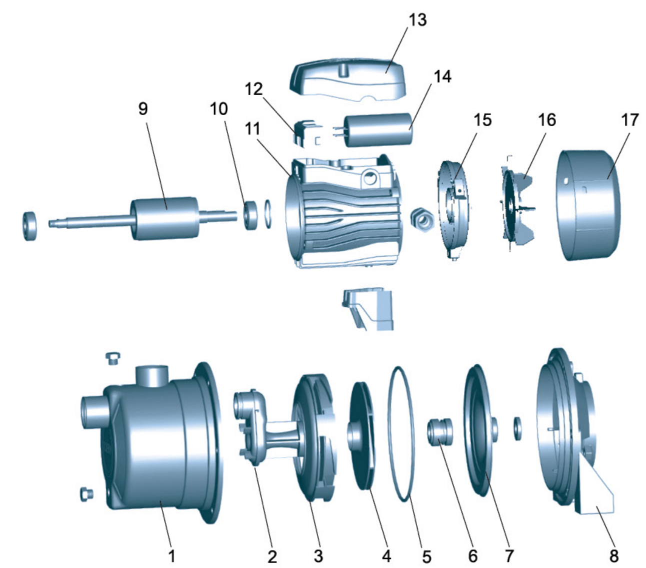
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	W1 (mm)	H1 (mm)
AJm30S	1"	1"	337	180	181.5	78	140	90
AJm45S			329	180	181	78	140	90
AJm60S			381	200	214	88	140	103
AJm75S			381	200	214	88	140	103
AJm90S			381	200	214	88	140	103

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	AISI 304
2	Venturi tube	PPO
3	Diffuser	PPO
4	Impeller	AISI 304
5	O-ring	NBR
6	Mechanical seal	Carbon/Ceramic
7	Bracket cover	AISI 304
8	Support	ZL102
9	Rotor	
10	Bearing	
11	Stator	
12	Terminal board	PC
13	Terminal box	PA6-GF25
14	Capacitor	
15	Rear cover	ZL102
16	Fan	PP
17	Fan cover	PP



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
AJm30S	6.0	350	180	220	1920
AJm45S	6.7	350	180	220	1920
AJm60S	9.2	420	228	257	1056
AJm75S	10.1	420	228	257	1056
AJm90S	10.7	420	228	257	1056

AJm
Jet Pump

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for lifting water from the well, sprinkling irrigation in garden, pressure boosting of running water, and supporting equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- Stainless steel impeller
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +9 m

Motor

- C&U bearing
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

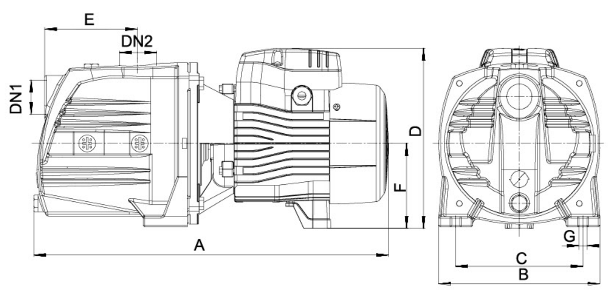
Identification Codes

A J m 75 (H)

- (H) — High Head
- 75 — Power (×10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- J — Jet Pump
- A — LEO Product Style

Technical Data

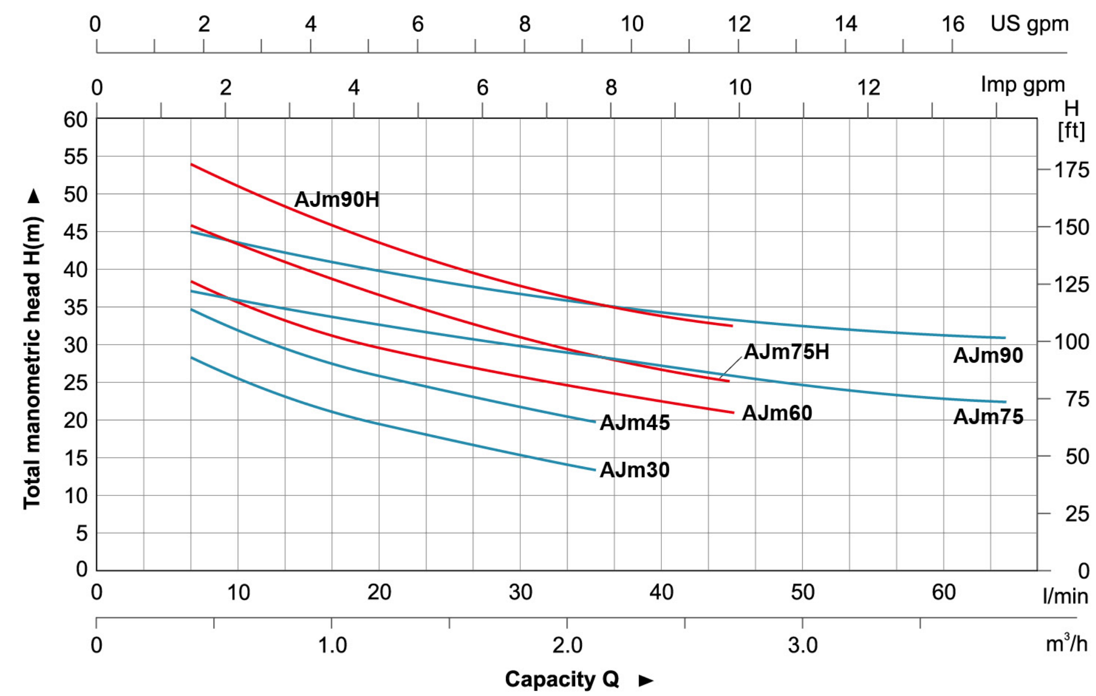
MODEL	POWER		Q (m^3/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.8	3.0	3.3	3.6	3.9
	kW	HP	Q (l/min)	0	5	10	15	20	25	30	35	40	47	50	55	60	65
AJm30	0.3	0.4	H (m)	35	30	26	22.5	20	18	16	14	-	-	-	-	-	-
AJm45	0.45	0.6		41	36	32	28	25	22	20	18	-	-	-	-	-	-
AJm60	0.6	0.8		45	41	37	33.5	31	28.5	26	24	22.5	21	-	-	-	-
AJm75	0.75	1.0		40	38	36	34.5	33	31.5	30	29	28	27	26	25	24	23
AJm75H	0.75	1.0		51	47	43	40	37	34.5	32	30	27.5	25	-	-	-	-
AJm90	0.9	1.2		48	46	44	42.5	41	39.5	38	36	35	34	33	32	31	30
AJm90H	0.9	1.2		62	57	53	49	46	43	40	37	35	33	-	-	-	-



Dimension

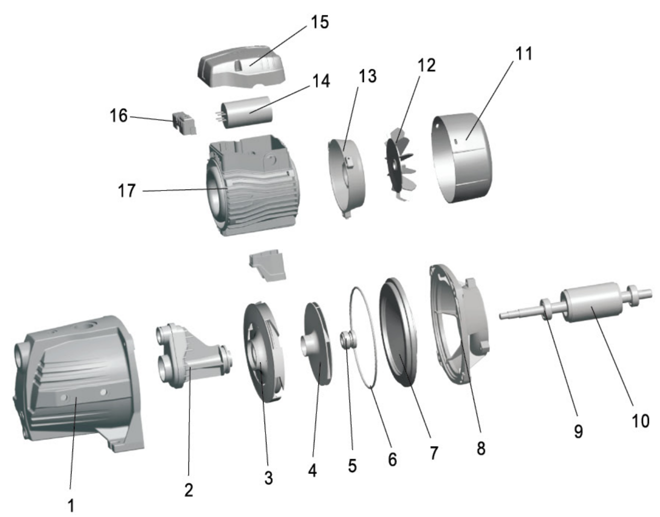
Model	DN1	DN2	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
AJm30	1"	1"	358	160	105	180	89.5	90	10
AJm45			358	160	105	180	89.5	90	10
AJm60			418	190	150	212	113	100	10
AJm75			418	190	150	212	113	100	10
AJm75H			418	190	150	212	113	100	10
AJm90			418	190	150	212	113	100	10
AJm90H			418	190	150	212	113	100	10

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	HT 200
2	Venturi tube	PPO
3	Diffuser	PPO
4	Impeller	AISI 304
5	Mechanical seal	Carbon/Ceramic
6	O-ring	NBR
7	Support cover	AISI 304
8	Support	AISI 304
9	Bearing	
10	Rotor	
11	Fan cover	PP
12	Fan	PP
13	Rear cover	ZL 102
14	Capacitor	
15	Terminal box	PA6-GF25
16	Terminal board	
17	Stator	



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
AJm30	9.2	390	185	215	1740
AJm45	10.15	390	185	215	1740
AJm60	14.35	455	215	245	1170
AJm75	15.5	455	215	245	1170
AJm75H	15.5	450	215	245	1170
AJm90	16.45	455	215	245	1170
AJm90H	16.45	450	215	245	1170

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for lifting water from the well, sprinkling irrigation in garden, pressure boosting of running water, and supporting equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- Stainless steel impeller
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +9 m

Motor

- C&U bearing
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

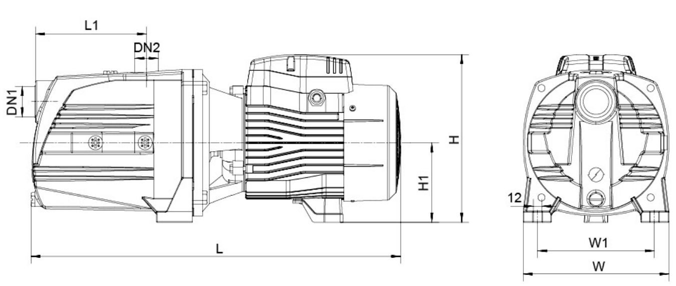
Identification Codes

A J m 110 (L)

- (L) — High Flow
- 110 — Power (×10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- J — Jet Pump
- A — LEO Product Style

Technical Data

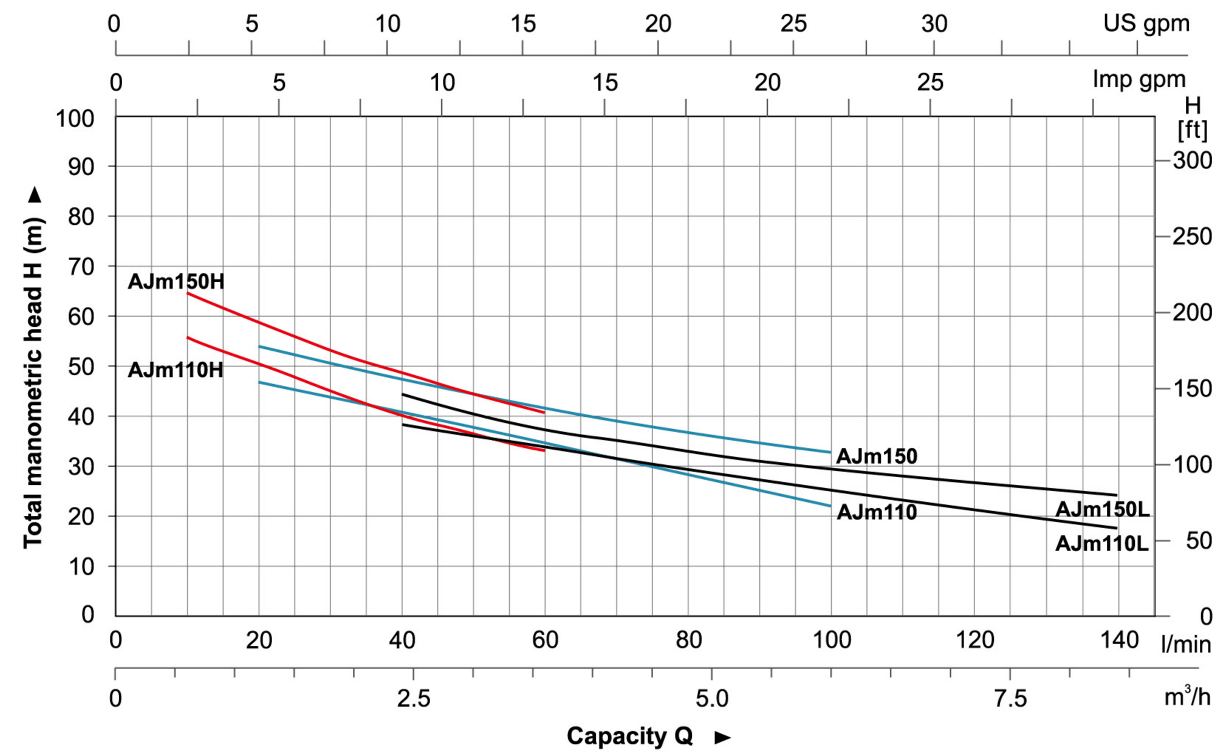
MODEL	POWER		Q (m^3/h)	0	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.6	4.2	4.8	6.0	7.2	8.4	9.6
	kW	HP	Q (l/min)	0	10	15	20	25	30	35	40	45	50	60	70	80	100	120	140	160
AJm110H	1.1	1.5	H (m)	60	55	55	49	49	46	44	40	39.5	38	36	30	-	-	-	-	-
AJm150H	1.5	2		72	66	61	59	54	52	49.5	49	45	42	42	33	-	-	-	-	-
AJm110	1.1	1.5		55	50	48	47	45	44	42.5	40	39	38	35	31.5	31	23	-	-	-
AJm150	1.5	2		60	55	56	53	52	51	49	45	46	45	39	38	33	-	-	-	-
AJm110L	1.1	1.5		47	45	45	43	42	41	40	38	37.5	36.5	34	31	30	22	21	17	-
AJm150L	1.5	2		54	52	46	49	44	43	42	45	40	39	38	35	32	29	24	24	-



Dimension

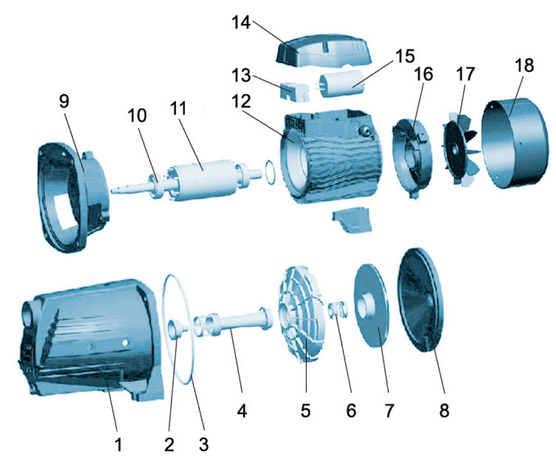
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	W1 (mm)	H1 (mm)
AJm110	1¼"	1"	512	206	236	153	178	112
AJm110H			512	206	236	153	178	112
AJm110L			512	206	236	153	178	112
AJm150			512	206	236	153	178	112
AJm150H			512	206	236	153	178	112
AJm150L			512	206	236	153	178	112

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	HT200
2	Nozzle	PPO
3	O-ring	NBR
4	Venturi tube	PPO
5	Diffuser	PPO
6	Mechanical seal	Carbon/Ceramic
7	Impeller	AISI 304
8	Support cover	HT200
9	Support	ZL102
10	Bearing	
11	Rotor	
12	Stator	
13	Terminal board	PC
14	Terminal box	PA6-GF25
15	Capacitor	
16	Rear cover	ZL102
17	Fan	PP
18	Fan cover	PP



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
AJm110	24.5	572	225	259	816
AJm110H	24.5	572	225	259	816
AJm110L	24.5	572	225	259	816
AJm150	25.4	572	225	259	816
AJm150H	25.4	572	225	259	816
AJm150L	25.4	572	225	259	816

AJDm

Jet Pump for Deep Wells

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for lifting water from the well, sprinkling irrigation in garden, pressure boosting of running water, and supporting equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- Stainless steel impeller
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +40 m

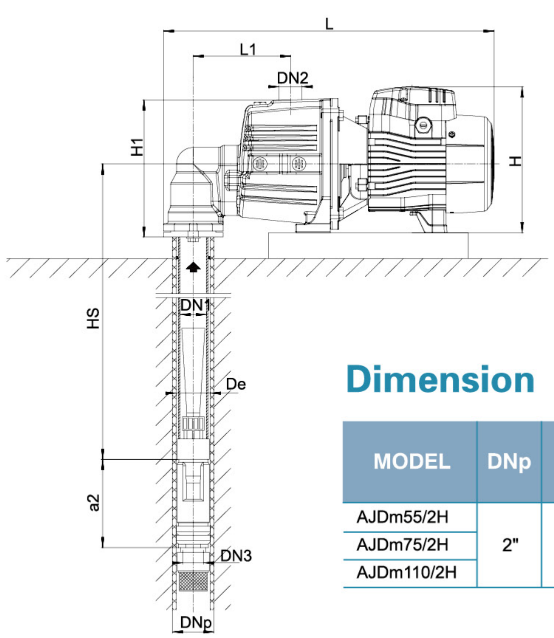
Motor

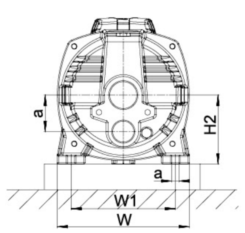
- C&U bearing
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

Identification Code

A JD m- 55/2 H

- H — High Head
- 2 — Inlet Diameter (")
- 55 — Power (X10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- JD — Jet Pump for Deep Well
- A — LEO Product Style





Dimension

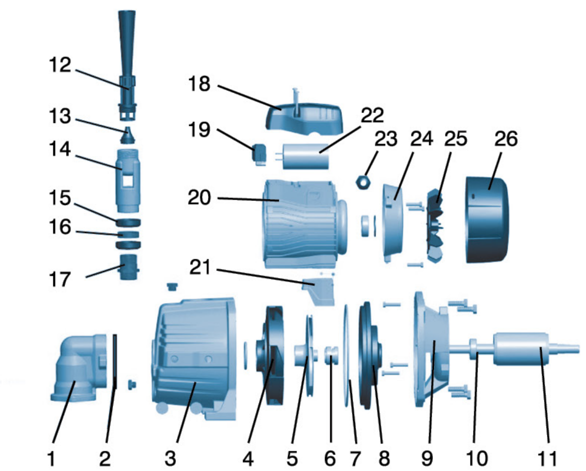
MODEL	DNp	DN1	DN2	DN3	DIMENSIONS (mm)										
					De	L	H	W	L1	H1	H2	W1	a	a2	S
AJDm55/2H	2"	1¼"	1"	1"	49	476	212	190	140	204	110	150	53	128	10
AJDm75/2H															
AJDm110/2H						535	237	206	153	211	112	166			

Technical Data

MODEL	POWER (kW)	POWER (HP)	HS (m)	Q (l/min)	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
AJDm55/2H	0.55	0.75	15	H (m)	37	33	30	27	25	23	21	19	17	15	13	-	-	-	-	-
AJDm75/2H	0.75	1			47	43	40	37	34	31	29	27	25	23	21	19	17	-	-	-
AJDm110/2H	1.1	1.5			70	65	61	57	53	50	47	44	42	40	38	36	34	32	30	28
AJDm55/2H	0.55	0.75	20		30	26	23	21	19	17	15	13	-	-	-	-	-	-	-	-
AJDm75/2H	0.75	1			39	36	33	30	27	24	22	20	18	17	-	-	-	-	-	-
AJDm110/2H	1.1	1.5			62	57	53	49	46	43	40	38	36	34	32	28	28	-	-	-
AJDm55/2H	0.55	0.75	25		23	19	16	14	12	-	-	-	-	-	-	-	-	-	-	-
AJDm75/2H	0.75	1			32	29	26	23	20	18	16	-	-	-	-	-	-	-	-	-
AJDm110/2H	1.1	1.5			54	49	45	42	39	36	33	31	29	27	-	-	-	-	-	-
AJDm55/2H	0.55	0.75	30		16	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AJDm75/2H	0.75	1			25	22	19	16	-	-	-	-	-	-	-	-	-	-	-	-
AJDm110/2H	1.1	1.5			46	42	38	35	32	29	27	-	-	-	-	-	-	-	-	-
AJDm75/2H	0.75	1	35		18	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AJDm110/2H	1.1	1.5			39	35	31	28	-	-	-	-	-	-	-	-	-	-	-	-
AJDm110/2H	1.1	1.5	40		32	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Materials Table

No.	Part	Material	No.	Part	Material
1	Elbow	HT200	14	Ejector	HT200
2	Gasket seal	NBR	15	Sealing cup	NBR
3	Pump body	HT200	16	Copper sheathing	HPb59-1
4	Diffuser	PPO	17	Copper sleeve	HPb59-1
5	Impeller	AISI 304	18	Terminal box	PA6-GF25
6	Mechanical seal	Carbon/Ceramic	19	Terminal board	PC
7	O-ring	NBR	20	Stator	
8	Support cover	AISI 304/HT200	21	Motor foot	PA6
9	Support	ZL102	22	Capacitor	
10	Bearing		23	Cable holder	
11	Rotor		24	Rear cover	ZL102
12	Venturi tube	PPO	25	Fan	PP
13	Nozzle	PPO	26	Fan cover	PP



Package Information

MODEL	WG (kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
AJDm55/2H	15.65	500	215	240	1053
AJDm75/2H	16.9	500	215	240	1053
AJDm110/2H	21.95	585	230	265	728

AJDm

AJDm
Jet Pump for Deep Wells

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for lifting water from the well, sprinkling irrigation in garden, pressure boosting of running water, and supporting equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- Stainless steel impeller
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +40 m

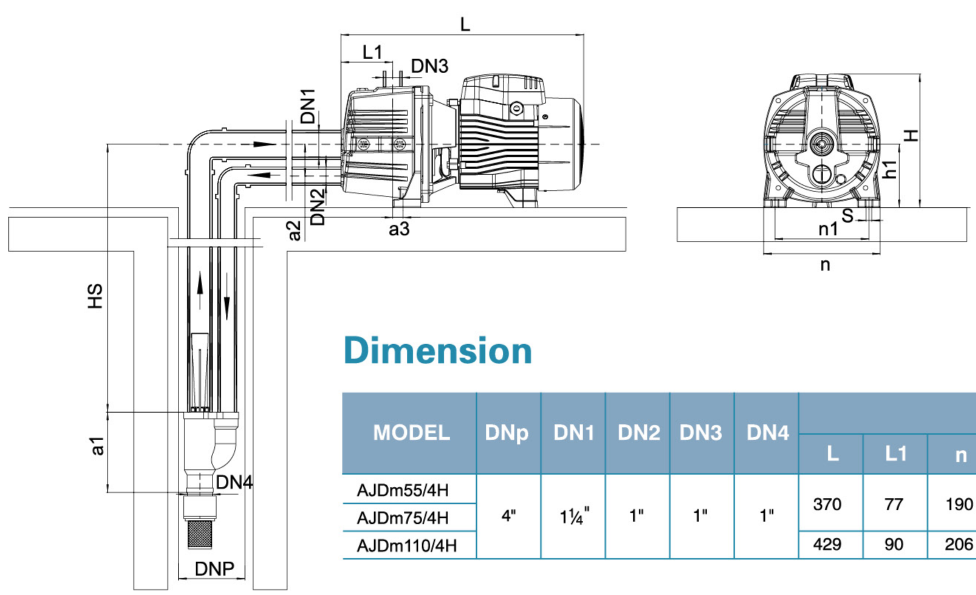
Motor

- C&U bearing
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

Identification Code

A JD m - 55/4 H

- H — High Head
- 4 — Inlet Diameter (")
- 55 — Power (X10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- JD — Jet Pump for Deep Well
- A — LEO Product Style



Dimension

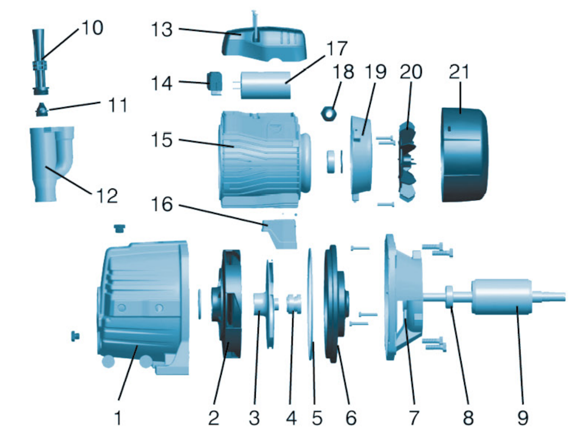
MODEL	DNp	DN1	DN2	DN3	DN4	DIMENSIONS (mm)									
						L	L1	n	n1	H	h1	a1	a2	a3	S
AJDm55/4H	4"	1¼"	1"	1"	1"	370	77	190	150	212	100	160	53	17	10
AJDm75/4H															
AJDm110/4H						429	90	206	166	236	112			12	

Technical Data

MODEL	POWER (kW)	POWER (HP)	HS (m)	Q (l/min)	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34
AJDm55/4H	0.55	0.75	15	H (m)	39	35	33	29	27	25	23	21	19	17	15	14	13	-	-	-	-	-
AJDm75/4H	0.75	1			50	46	43	40	37	34	32	30	28	26	24	22	20	19	18	17	-	-
AJDm110/4H	1.1	1.5			75	70	66	62	58	55	52	49	47	45	43	41	39	37	35	33	31	29
AJDm55/4H	0.55	0.75	20		32	28	25	23	21	19	17	15	13	-	-	-	-	-	-	-	-	-
AJDm75/4H	0.75	1			42	39	36	33	30	27	25	23	21	20	18	17	-	-	-	-	-	-
AJDm110/4H	1.1	1.5			67	62	58	54	51	48	45	43	41	39	37	35	33	31	29	27	-	-
AJDm55/4H	0.55	0.75	25		25	21	18	16	14	12	-	-	-	-	-	-	-	-	-	-	-	-
AJDm75/4H	0.75	1			35	32	29	26	23	21	19	17	-	-	-	-	-	-	-	-	-	-
AJDm110/4H	1.1	1.5			59	54	50	47	44	41	38	36	34	32	30	28	-	-	-	-	-	-
AJDm55/4H	0.55	0.75	30		18	15	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AJDm75/4H	0.75	1			28	25	22	19	17	-	-	-	-	-	-	-	-	-	-	-	-	-
AJDm110/4H	1.1	1.5			51	47	43	40	37	34	32	30	28	-	-	-	-	-	-	-	-	-
AJDm75/4H	0.75	1	35		21	18	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AJDm110/4H	1.1	1.5			44	40	36	33	30	27	-	-	-	-	-	-	-	-	-	-	-	-
AJDm110/4H	1.1	1.5	40		37	33	30	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Materials Table

No.	Part	Material	No.	Part	Material
1	Pump body	HT200	12	Ejector	HT200
2	Diffuser	PPO	13	Terminal box	PA6-GF25
3	Impeller	Stainless steel	14	Terminal board	PC
4	Mechanical seal	Carbon/Ceramic	15	Stator	
5	O-ring	NBR	16	Motor foot	PA6
6	Support cover	AISI 304/HT200	17	Capacitor	
7	Support	ZL102	18	Cable holder	
8	Bearing		19	Rear cover	ZL102
9	Rotor		20	Fan	PP
10	Venturi tube	PPO	21	Fan cover	PP
11	Nozzle	PPO			



Package Information

MODEL	WG (kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
AJDm55/4H	16.65	500	215	240	1053
AJDm75/4H	17.9	500	215	240	1053
AJDm110/4H	23.25	585	230	265	728

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Fully automatic water supply in house and garden

Pump

- Unique ergonomic design
- Max. fluid temperature: +35℃
- Max. suction: +8 m
- 20L pressure tank

Motor

- C&U bearing
- Built-in thermal protector
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

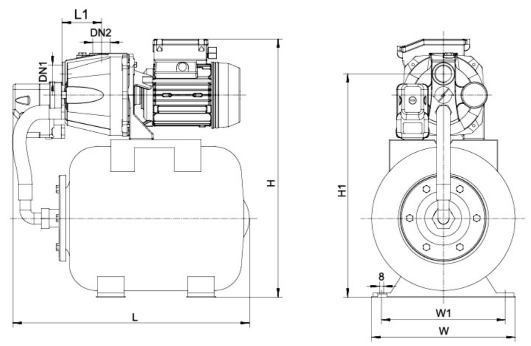
Identification Codes

XKJ – 601 I A

- Air Tank
- Pump Body Material: Cast Iron
- Power (W)
- Jet Pump

Technical Data

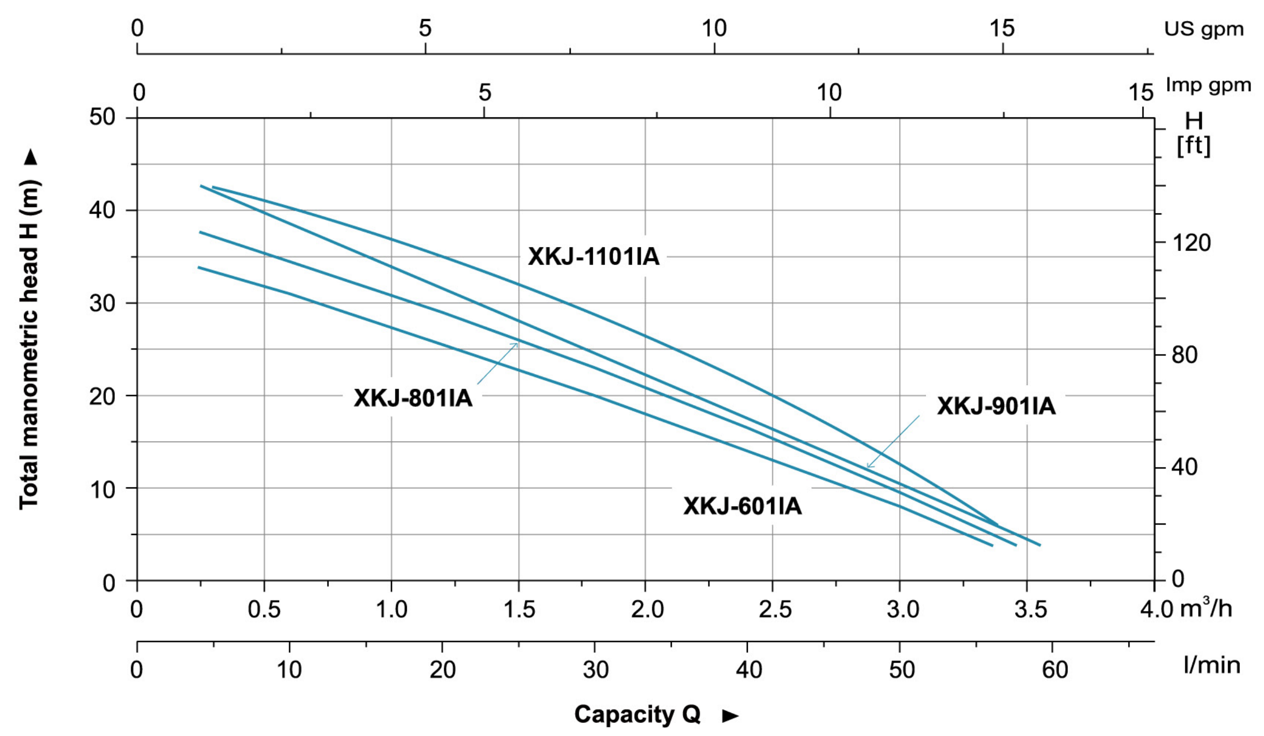
MODEL	POWER (W)	Q (m^3/h)	0	0.6	1.2	1.8	2.4	3	3.6
		Q (l/min)	0	10	20	30	40	50	60
XKJ-601IA	600	H (m)	35	32	24.5	19	13	8	-
XKJ-801IA	800		39	34.8	28	21.5	15.5	9.8	-
XKJ-901IA	900		42	38	31	23.5	17	10	-
XKJ-1101IA	1100		44	40	35	28	21	12	3



Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	W1 (mm)	H1 (mm)
XKJ-601IA	1"	1"	445	270	485	74	233	420
XKJ-801IA			445	270	485	74	233	420
XKJ-901IA			460	270	508	93	233	445
XKJ-1101IA			460	270	508	93	233	445

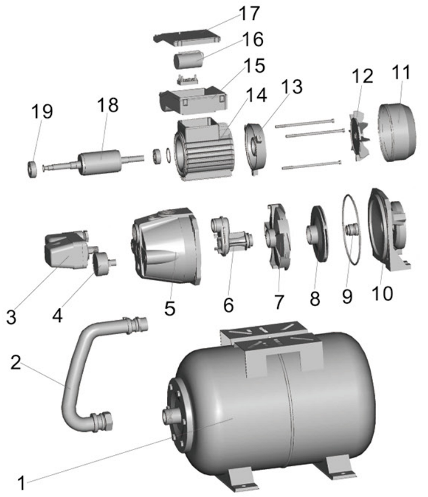
Hydraulic Performance Curves



Materials Table

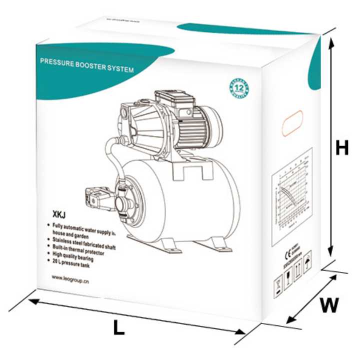
No.	Part	Material
1	Tank	
2	Flexible Tube	
3	Pressure switch	
4	Pressure equipment	
5	Pump body	HT200
6	Venturi tube	PPO
7	Water out cover	PPO
8	Impeller	PPO
9	Mechanical seal	
10	Pump support	HT200
11	Fan cover	08F
12	Fan	PP
13	End plate	ZL102
14	Motor stator	
15	Terminal box	ABS

No.	Part	Material
16	Capacitor	
17	Terminal cover	ABS
18	Rotor	
19	bearing	



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity		
					20'/pcs	40'/pcs	40H'/pcs
XKJ-601IA	15.7	480	300	523	364	732	915
XKJ-801IA	16.2	480	300	523	364	732	915
XKJ-901IA	19.5	495	304	525	348	700	875
XKJ-1101IA	20	495	304	525	348	700	875



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for industrial use and urban water supply, pressure boosting for high buildings and fire fighting, garden irrigation, long-distance water transfer, heating ventilation and air controlling, circulation and pressure boosting for cold and hot water, and supporting equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- C&U bearing
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

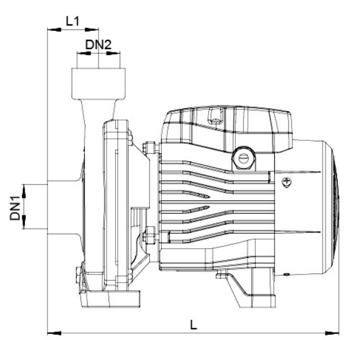
Identification Codes

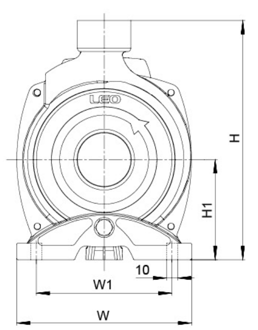
A C m 37

- 37 — Power (×10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- C — Centrifugal Pump
- A — LEO Product Style

Technical Data

MODEL	POWER		Q (m³/h)	0	0.6	0.9	1.2	1.8	2.4	3.0	3.6	4.2	4.5	4.8	5.4	6.0	6.6	7.2	7.8	8.4	9.0
	kW	HP	Q (l/min)	0	10	15	20	30	40	50	60	70	75	80	90	100	110	120	130	140	150
ACm37	0.37	0.5	H (m)	23	21.5	21	21	20.5	19.5	18	17	15.5	14.5	14	12	-	-	-	-	-	-
ACm60	0.6	0.8		27	26.5	26.2	26	25	24.5	22.5	20	17	15.5	14	10	-	-	-	-	-	-
ACm75	0.75	1.0		36	35	34	33.5	33	32	31	29	27	26	23.5	20	16	-	-	-	-	-
ACm110	1.1	1.5		40	39	38	38	37.5	37	36	35	33	32	31	29	26	23	20	-	-	-
ACm150	1.5	2		48	47.5	47	46.5	45.5	44.5	43.5	42.5	41.5	41	40.5	39	37	34.5	31	27	22	-

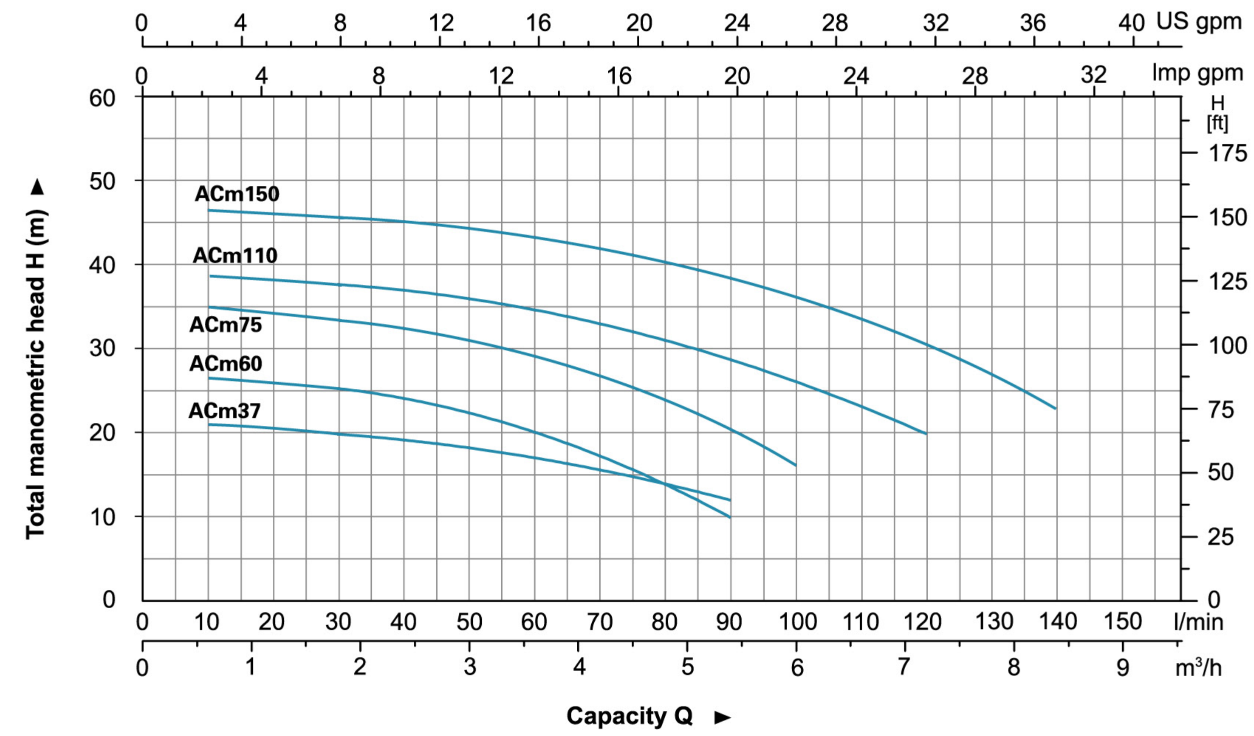




Dimension

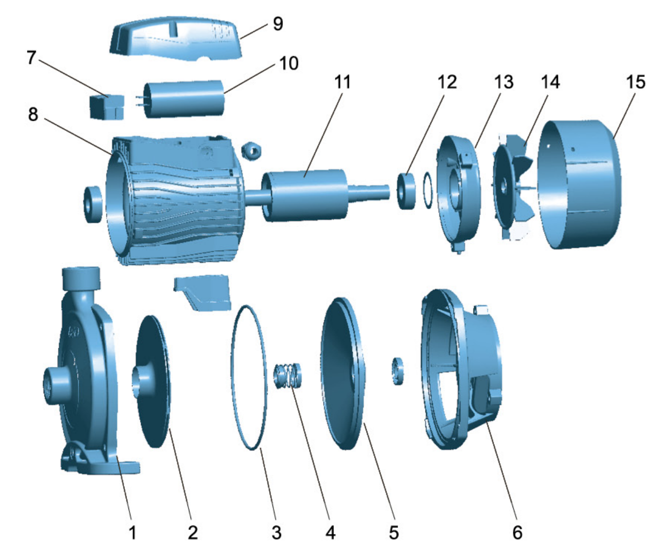
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L_1 (mm)	W_1 (mm)	H_1 (mm)
ACm37	1"	1"	270	157	216	42	122	90
ACm60			298	190	240	44	160	90
ACm75			298	190	240	44	160	100
ACm110	$1^1/_4$"	1"	359	206	263	50	178	112
ACm150			360	240	286	51	207	115

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	HT200
2	Impeller	AISI 304 Brass
3	O-ring	NBR
4	Mechanical seal	Carbon/Ceramic
5	Support cover	HT200/AISI 304
6	Support	ZL102
7	Terminal board	PC
8	Stator	
9	Terminal box	PA6-GF25
10	Capacitor	
11	Rotor	
12	Bearing	
13	Rear cover	ZL102
14	Fan	PP
15	Fan cover	PP



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ACm37	8.4	290	185	239	2124
ACm60	11.5	333	215	260	1384
ACm75	13.4	333	215	260	1384
ACm110	18.45	383	233	287	987
ACm150	22.8	425	265	310	770

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for industrial use and urban water supply, pressure boosting for high buildings and fire fighting, garden irrigation, long-distance water transfer, heating ventilation and air controlling, circulation and pressure boosting for cold and hot water, and supporting equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- C&U bearing
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃
- IE 2 motor

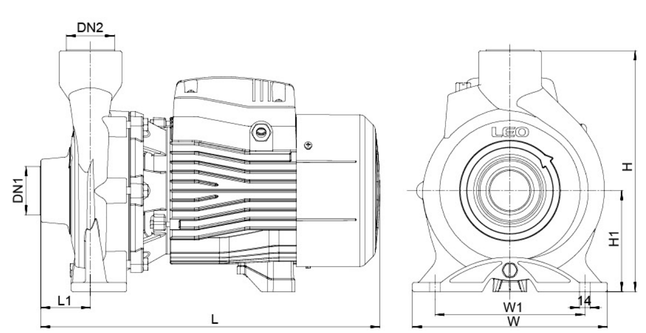
Identification Codes

A C m 220 C (H) 2

- 2 — Inlet Diameter (")
- (H) — High Head
- C — Features
- 220 — Power (×10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- C — Centrifugal Pump
- A — LEO Product Style

Technical Data

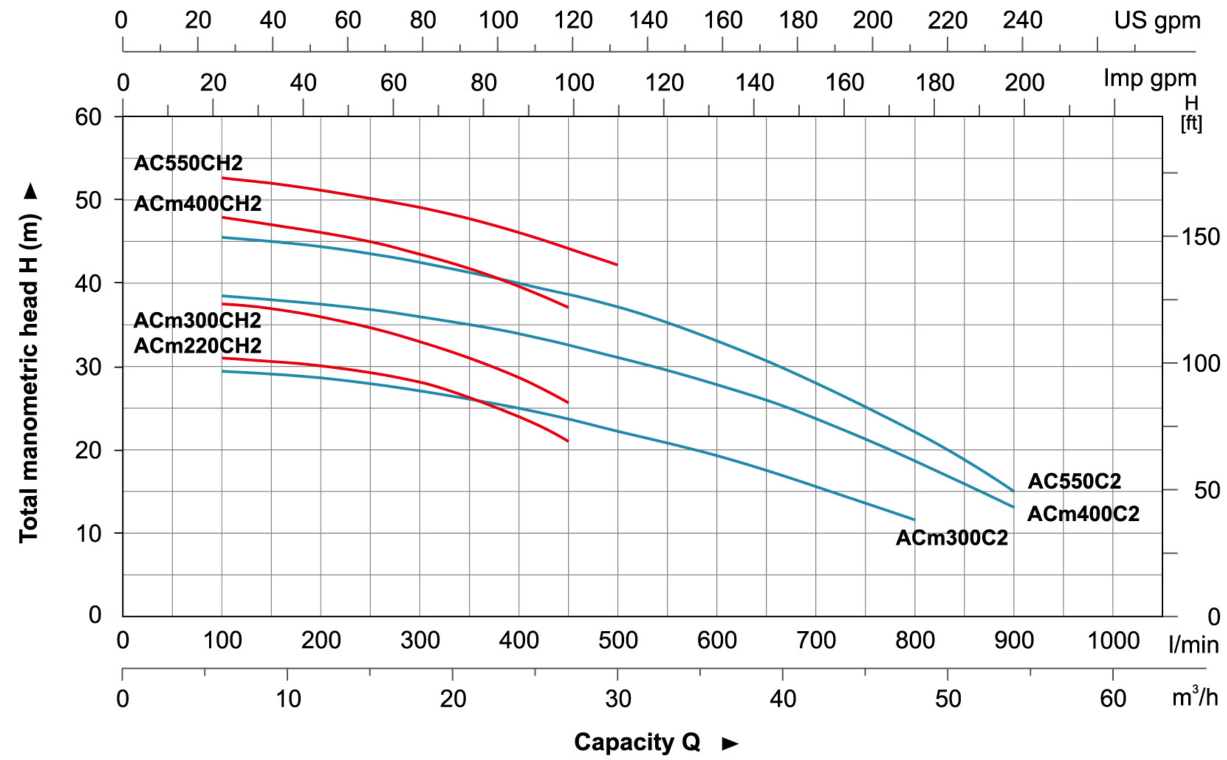
MODEL		POWER		Q (m³/h)	0	6	9	12	15	18	24	27	30	36	42	48	54
Single Phase	Three Phase	kW	HP	Q (l/min)	0	100	150	200	250	300	400	450	500	600	700	800	900
ACm220CH2	AC220CH2	2.2	3	H (m)	31	30	29.5	28.5	27.5	26	21.5	18.5	-	-	-	-	-
ACm300CH2	AC300CH2	3	4		38	37.5	37	36	34.5	33	28.5	25.5	-	-	-	-	-
ACm400CH2	AC400CH2	4	5.5		49	48	47	46	45	43.5	39.5	37	-	-	-	-	-
----	AC550CH2	5.5	7.5		54	52.5	52	51	50	49	46	44	42	-	-	-	-
ACm300C2	AC300C2	3	4		30	29.5	29	28.5	28	27	25	23.5	22	19.5	15.5	11.5	-
ACm400C2	AC400C2	4	5		39	38.5	38	37.5	37	36	34	32.5	31	28	24	18.5	13
----	AC550C2	5.5	7.5		46.5	45.5	45	44.5	43.5	42.5	40	38.5	37	33	28	22	15



Dimension

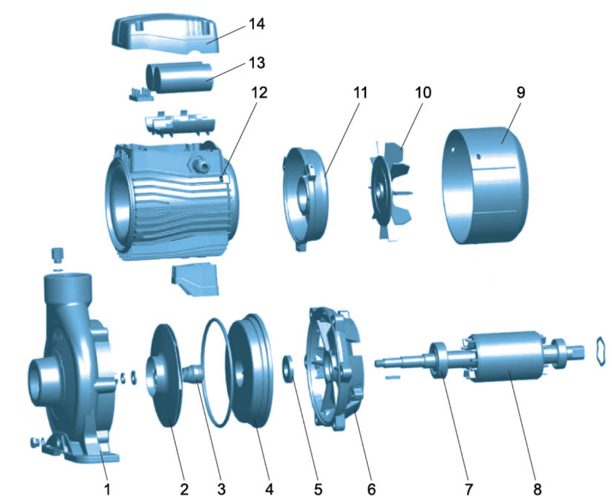
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	W1 (mm)	H1 (mm)
ACm220CH2	2"	2"	444	255	315	65	186	132
ACm300CH2			444	255	315	65	186	132
ACm400CH2			496.5	280	326	70	195	136
AC550CH2			496.5	280	326	70	195	136
ACm300C2			444	255	315	65	186	132
ACm400C2			496.5	280	326	70	195	136
AC550C2			496.5	280	326	70	195	136

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	HT200
2	Impeller	AISI 304 Brass
3	Mechanical seal	Carbon/Ceramic
4	Bracket cover	HT200
5	Oil seal	
6	Support	HT200
7	Bearing	
8	Rotor	
9	Fan cover	PP
10	Fan	PP
11	Rear cover	ZL102
12	Stator	
13	Capacitor	
14	Terminal box	PA6-GF25



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ACm220CH2	39	507	304	372	486
ACm300CH2	41.8	507	304	372	478
ACm400CH2	56.5	562	328	383	345
AC550CH2	57.1	562	328	383	345
ACm300C2	41.4	507	304	372	483
ACm400C2	57.5	562	328	372	345
AC550C2	55.5	562	328	383	345

ACm
Centrifugal Pump

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for industrial use and urban water supply, pressure boosting for high buildings and fire fighting, garden irrigation, long-distance water transfer, heating ventilation and air controlling, circulation and pressure boosting for cold and hot water, and supporting equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- C&U bearing
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃
- IE 2 motor (Three phase, power ≥ 0.75kW)

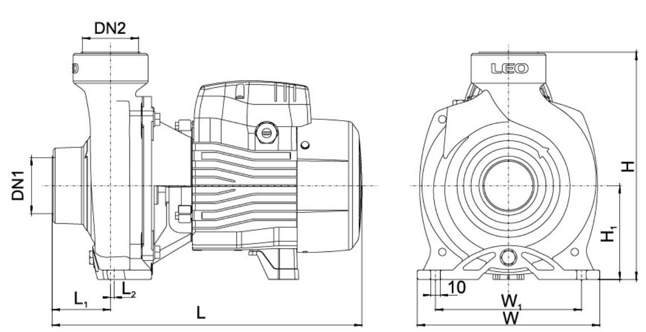
Identification Codes

A C m 150 B 2

- 2 — Inlet Diameter (")
- B — Features
- 150 — Power (×10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- C — Centrifugal Pump
- A — LEO Product Style

Technical Data

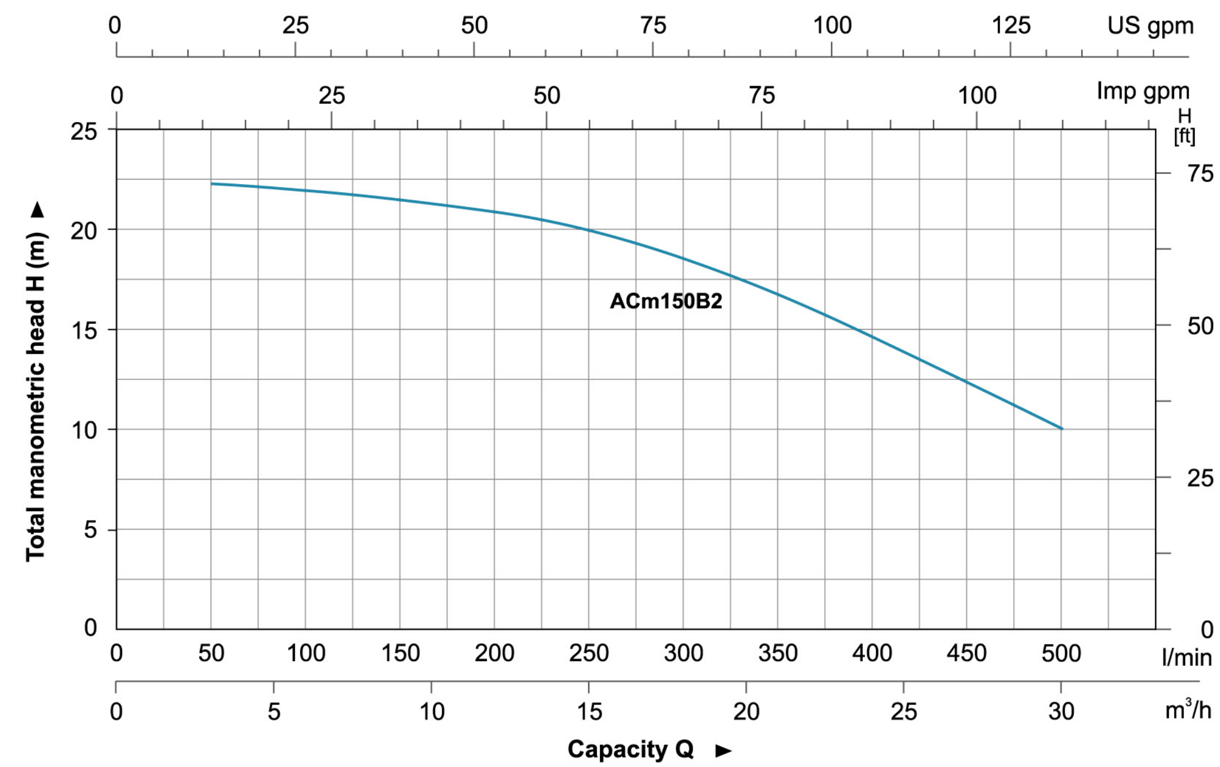
MODEL		POWER		Q (m³/h)	0	6	9	12	15	18	21	24	30
Single Phase	Three Phase	kW	HP	Q (l/min)	0	100	150	200	250	300	350	400	500
ACm150B2	AC150B2	1.5	2	H (m)	22	21.5	21	20.5	19.5	18.3	16.5	14.5	9.5



Dimension

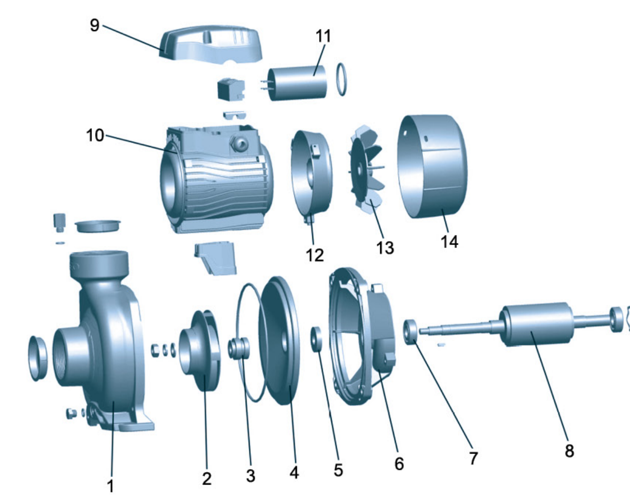
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L_1 (mm)	L_2 (mm)	W_1 (mm)	H_1 (mm)
ACm150B2	2"	2"	378	206	263	59	3.5	166	112

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	HT200
2	Impeller	AISI 304 Brass
3	Mechanical seal	Carbon/Ceramic
4	Support cover	HT200
5	Oil seal	
6	Support	ZL102
7	Bearing	
8	Rotor	
9	Terminal box	PA6-GF25
10	Stator	
11	Capacitor	
12	Rear cover	ZL102
13	Fan	PP
14	Fan cover	PP



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ACm150B2	20.7	415	225	285	945

ACm

ACm

Multistage Centrifugal Pump

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for industrial use and urban water supply, pressure boosting for high buildings and fire fighting, garden irrigation, long-distance water transfer, heating ventilation and air controlling, circulation and pressure boosting for cold and hot water, and supporting equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- C&U bearing
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃
- IE 2 motor (Three phase, power ≥ 0.75kW)

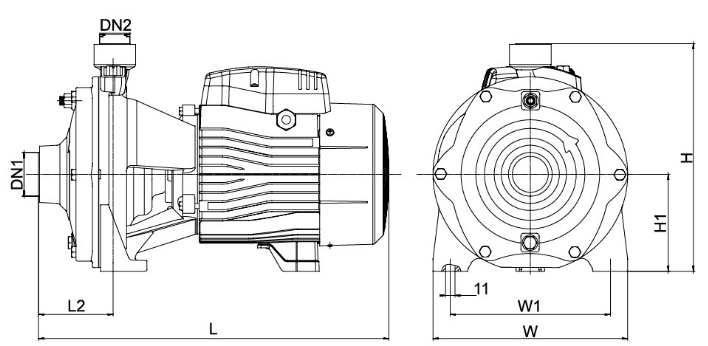
Identification Codes

2 A C m 150 (H)

- (H) — High Head
- 150 — Power (X 10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- C — Centrifugal Pump
- A — LEO Product Style
- 2 — Impeller Stage

Technical Data

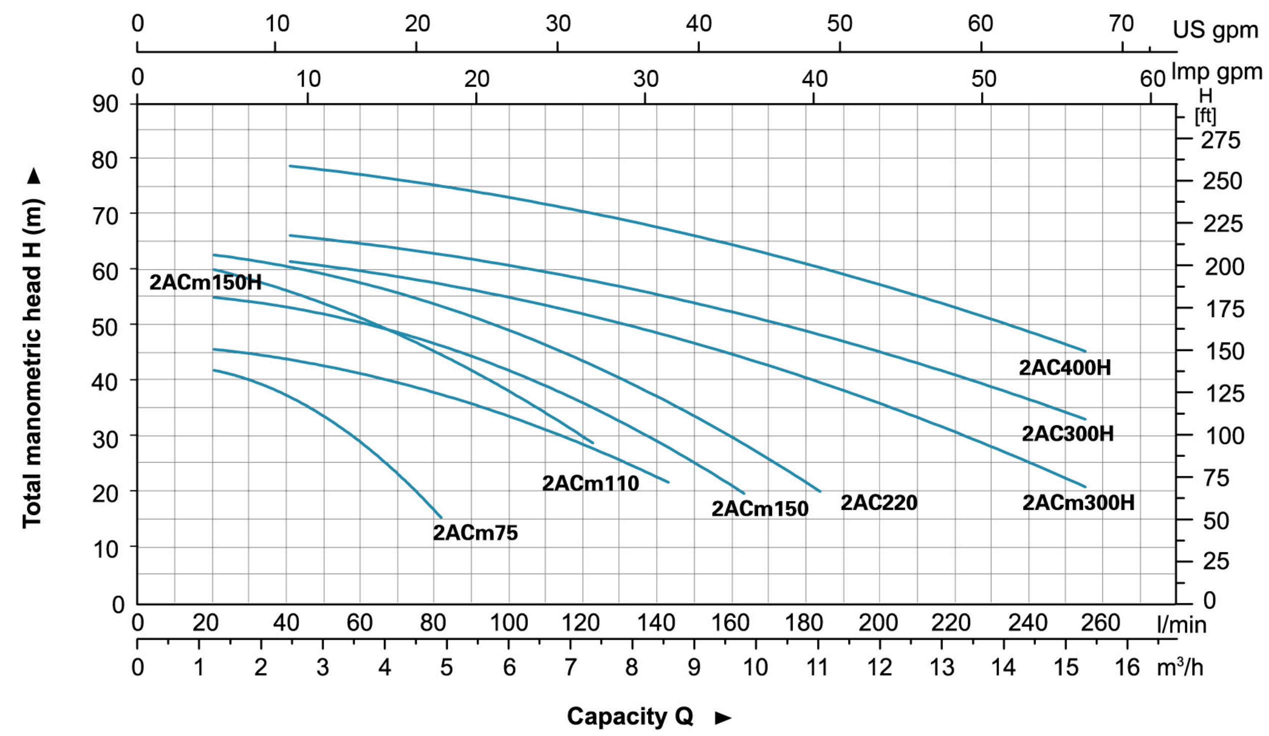
MODEL		POWER		Q (m³/h)	0	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6	7.2	8.4	9.6	10.8	12	15
Single Phase	Three Phase	kW	HP	Q (l/min)	0	20	30	40	50	60	70	80	90	100	110	120	140	160	180	220	250
2ACm75	2AC75	0.75	1.0	H (m)	45	42.5	40	37	33.5	28.5	23	15	-	-	-	-	-	-	-	-	-
2ACm110	2AC110	1.1	1.5		47	46	45	44	43	41.5	40	38	35.5	33	30.5	28	22	-	-	-	-
2ACm150	2AC150	1.5	2		57.5	55.5	54.5	53.5	52	50.5	49	47	44.5	41.5	38.5	35	28	20	-	-	-
2ACm150H	2AC150H	1.5	2		63.5	60.5	58.5	56.5	54	51.5	48.5	45	41	37.5	33.5	29	-	-	-	-	-
----	2AC220	2.2	3		65	63	62	61	59.5	58	56	54	51.5	49	46	43	36	28.5	20.5	-	-
2ACm300H	----	3	4		65	-	-	62	61	60	59	58	56.5	55	53.5	52.5	48.5	44.5	40	35	21
----	2AC300H	3	4		70	-	-	67	66	65	64	63	62	61	59.5	59	55.5	52	49	45	33
----	2AC400H	4	5.5		82	-	-	79.5	78.5	77.5	76.5	75.5	74.5	73.5	72	71	67.5	64.5	61	57	45.5



Dimension

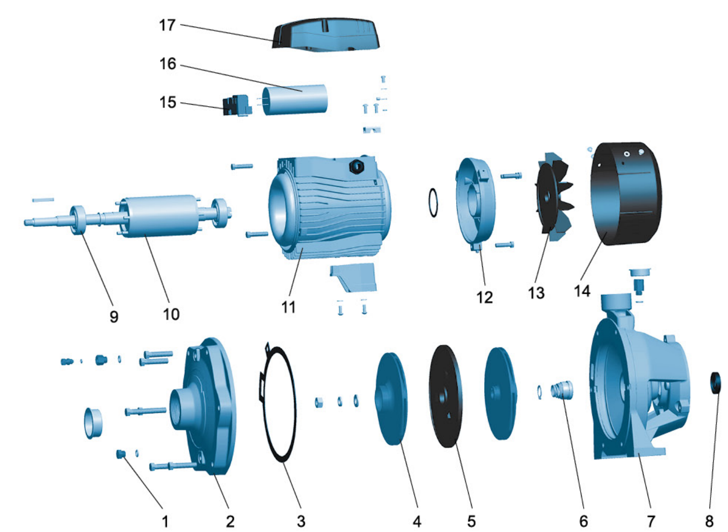
Model	DN1	DN2	L (mm)	L_1 (mm)	H (mm)	H_1 (mm)	W (mm)	W_1 (mm)
2ACm75	1 1/4"	1"	336	72	231	100	181	145
2ACm110	1 1/2"	1"	379	71	225	93	200	162
2ACm150	1 1/2"	1"	400	80	262	112	225	185
2ACm150H	1 1/2"	1"	400	80	262	112	225	185
2AC220	1 1/2"	1"	400	80	262	112	225	185
2ACm300H	1 1/2"	1 1/4"	480	63	311	132	281	234
2AC300H	1 1/2"	1 1/4"	480	63	311	132	281	234
2AC400H	1 1/2"	1 1/4"	480	63	311	132	281	234

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Drain plug	HPb59-1
2	Pump body	HT200
3	Gasket	NBR
4	Impeller	AISI 304/Brass HT200
5	Bracket cover	HT200
6	Mechanical seal	Carbon/Ceramic
7	Support	HT200
8	Oil seal	
9	Bearing	
10	Rotor	
11	Stator	
12	Rear cover	ZL102
13	Fan	PP
14	Fan cover	PP
15	Terminal board	PC
16	Capacitor	
17	Terminal box	PA6-GF25



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
2ACm75	16.8	385	215	270	1190
2ACm110	21	430	235	275	833
2ACm150	27.5	445	255	300	636
2ACm150H	27.8	440	254	299	636
2AC220	27.5	445	255	300	629
2ACm300H	51.9	542	330	346	337
2AC300H	51.5	542	330	346	340
2AC400H	52.4	542	330	346	346

XHSm

Self-priming Centrifugal Pump

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for pumping water from lake, river and well
- Industrial use and agricultural irrigation

Pump

- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Max. liquid temperature: +60℃
- Max. suction: 8 m

Motor

- C&U bearing
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃
- IE 2 motor (Three phase, power ≥ 0.75kW)

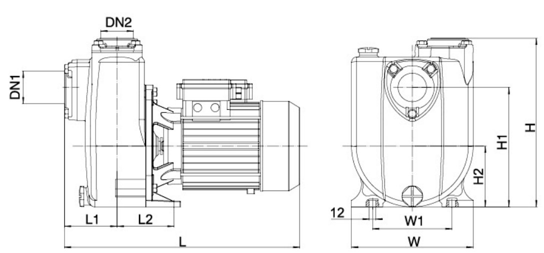
Identification Codes

XHS m 1500

- 1500 — Power (HPx1000)
- m — Single Phase Motor (Omitted for three-phase motor)
- XHS — Self-priming Centrifugal Pump

Technical Data

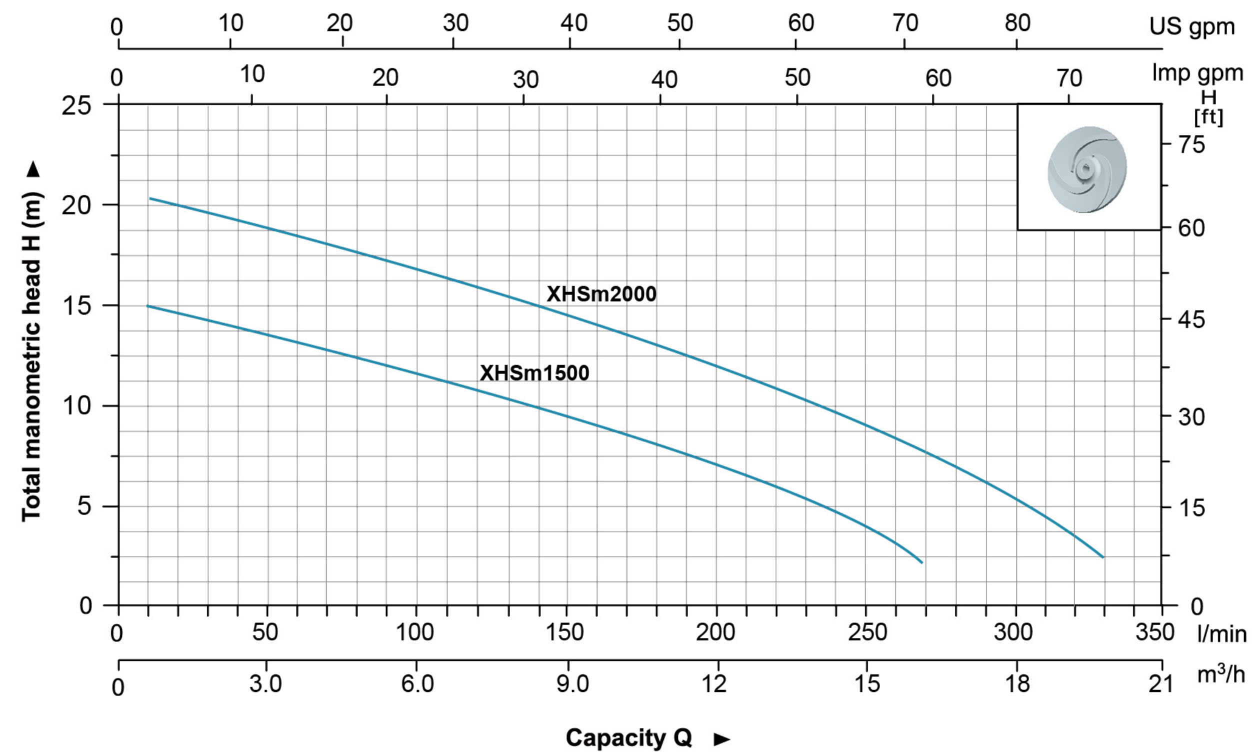
Model	POWER		Q (m³/h)	0	2.1	4.5	6.6	8.1	10.2	12	14.1	16.2	19.8
	kW	HP	Q (l/min)	0	35	75	110	135	170	200	235	270	330
XHSm1500	1.1	1.5	H (m)	15	14	12.5	11	10	8.5	7	5	2.5	-
XHSm2000	1.5	2		20.5	19	17.5	16	15	13.5	12	10	7.5	2.5



Dimension

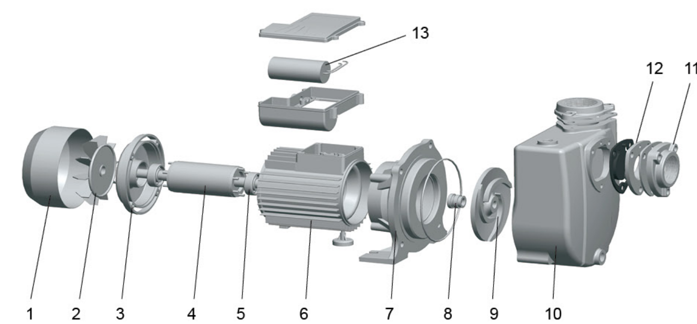
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	L2 (mm)	W1 (mm)	H1 (mm)	H2 (mm)
XHSm1500	2"	2"	430	222	308	96.5	104	145	218	111
XHSm2000										

Hydraulic Performance Curves



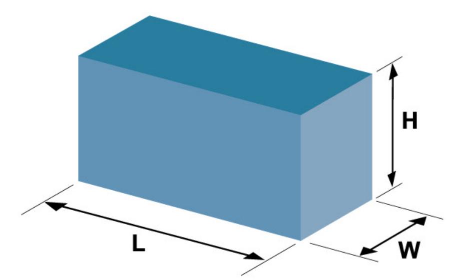
Materials Table

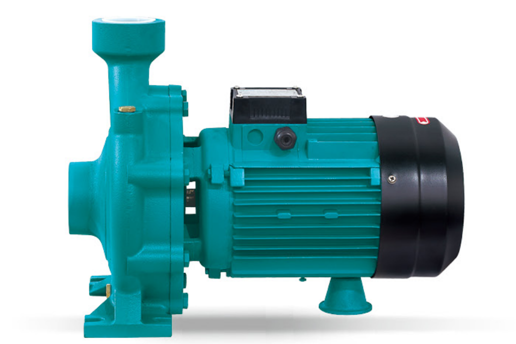
No.	Part	Material
1	Fan cover	08F
2	Fan	PP
3	Rear cover	ZL 102
4	Rotor	
5	Bearing	
6	Stator	
7	Support	HT200
8	Mechanical seal	Carbon/Cerarmic
9	Impeller	HT200
10	Pump body	HT200
11	Inlet adaptor	HT200
12	Non-return valve	NBR
13	Capacitor	

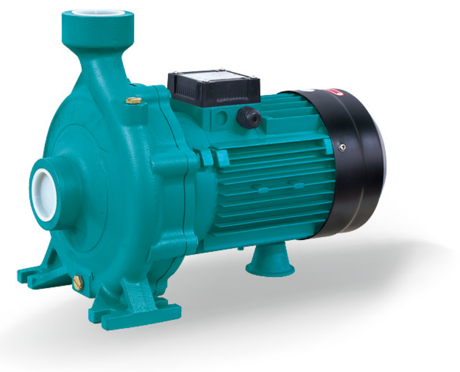


Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XHSm1500	34.5	475	280	380	580
XHSm2000	36.5	475	280	380	580







Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for industrial use and urban water supply, pressure boosting for high buildings and fire fighting, garden irrigation, long-distance water transfer, heating ventilation and air controlling, circulation and pressure boosting for cold and hot water, and supporting equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Max. liquid temperature: +75℃

Motor

- C&U bearing
- Insulation class: F
- Protection class: IP54
- Max. ambient temperature: +40℃

Identification Codes

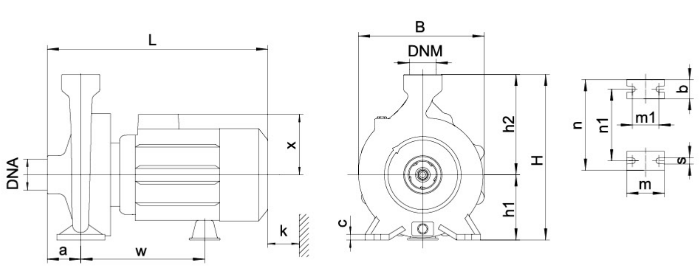
XTC 40 N2

- N2 — Inlet/Outlet NPT2
- 40 — Power (×100 W)
- XTC — LEO Product Style

Technical Data

MODEL	VOLTAGE (V)	POWER		Q (m^3/h)	0	5	10	15	20	25	28
Three Phase		kW	HP	Q (l/min)	0	83.3	166.7	250	333.3	416.7	466.7
XTC40N2	220-230/440-460	4	5.5	H(m)	56	55.5	53.5	49	43.5	36.5	31

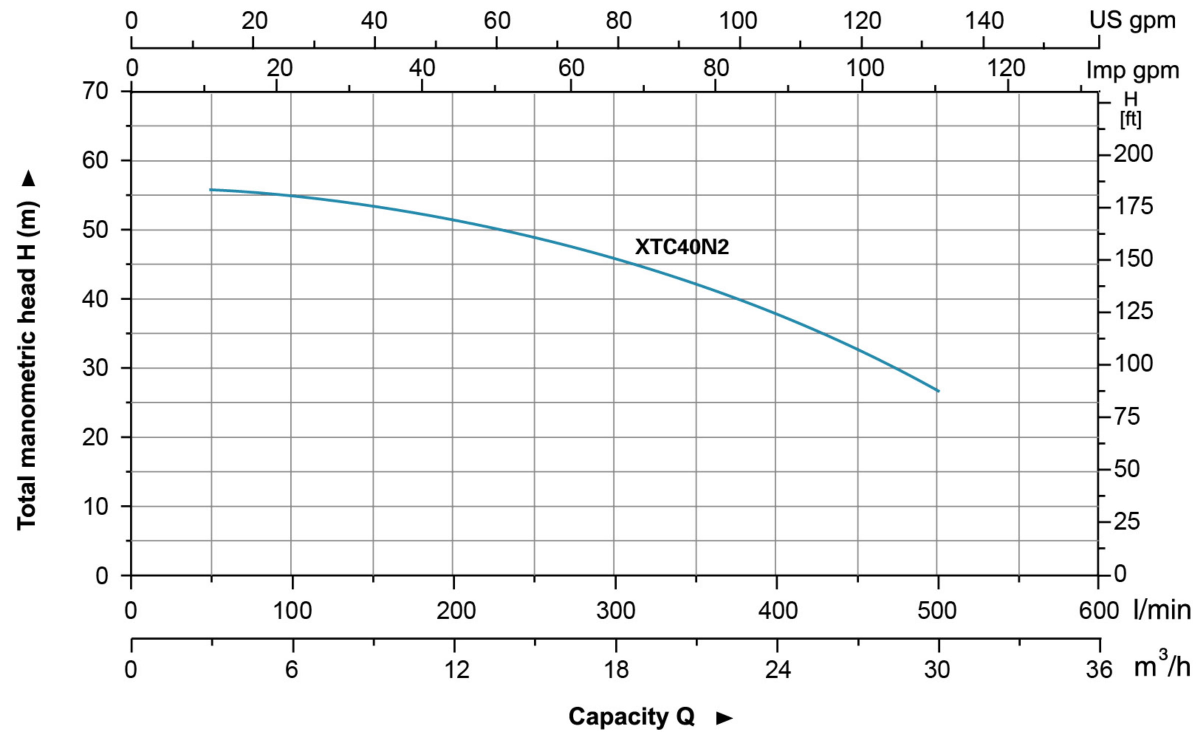
Dimension



Model	DNM	DNA	a (mm)	h2 (mm)	w (mm)	x (mm)	b (mm)	c (mm)	k (mm)
XTC40N2	NPT2	NPT2	70	210	258	127	50	12	135

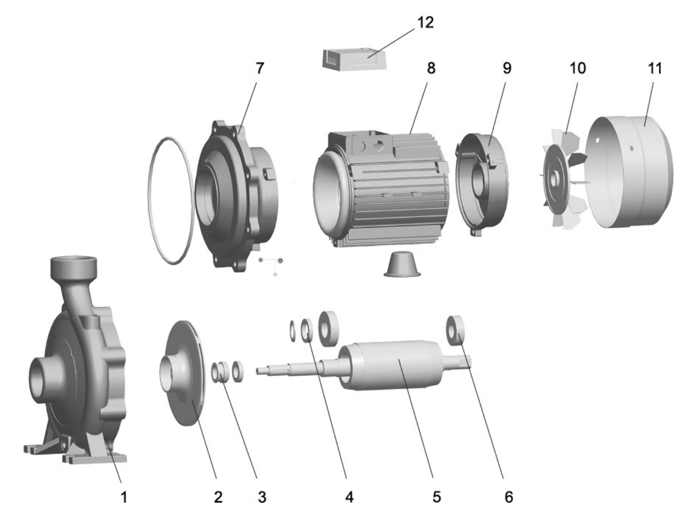
Model	h1 (mm)	m (mm)	m1 (mm)	n (mm)	n1 (mm)	s (mm)	B (mm)	H (mm)	L (mm)
XTC40N2	136	100	70	240	190	14	261	346	450

Hydraulic Performance Curves



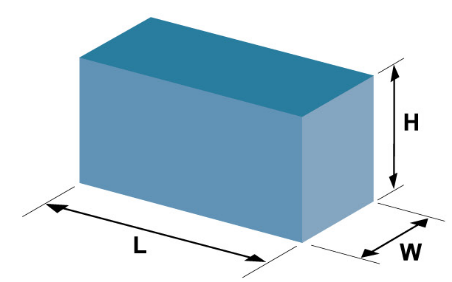
Materials Table

No.	Part	Material
1	Pump body	HT200
2	Impeller	Brass
3	Mechanical seal	Carbon/Ceramic
4	Oil seal	
5	Rotor	
6	Bearing	
7	Support	HT200
8	Stator	
9	Rear cover	HT200
10	Fan	PP
11	Fan cover	08F
12	Terminal box	ABS



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XTC40N2	50	515	330	410	534



XTC
Centrifugal Pump

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for industrial use and urban water supply, pressure boosting for high buildings and fire fighting, garden irrigation, long-distance water transfer, heating ventilation and air controlling, circulation and pressure boosting for cold and hot water, and supporting equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Max. liquid temperature: +75℃

Motor

- C&U bearing
- Insulation class: F
- Protection class: IP54
- Max. ambient temperature: +40℃

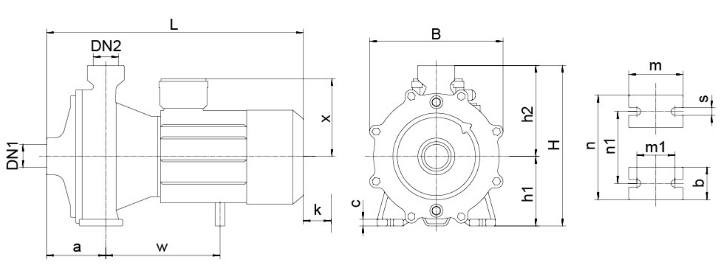
Identification Codes

XTC 55 N2

- N2 — Inlet/Outlet NPT2
- 55 — Power (×100W)
- XTC — LEO Product Style

Technical Data

MODEL Three Phase	VOLTAGE (V)	POWER kW	POWER HP	Q (m^3/h)	0	5	10	15	20	25	28
				Q (l/min)	0	83.3	166.7	250	333.3	416.7	466.7
XTC55N2	220-230/440-460	5.5	7.5	H (m)	82.9	79.5	73.5	63	50.5	33.5	23
XTC75N2	220-230/440-460	7.5	10	H (m)	102.5	99.5	94.5	85	72	55.5	44.5

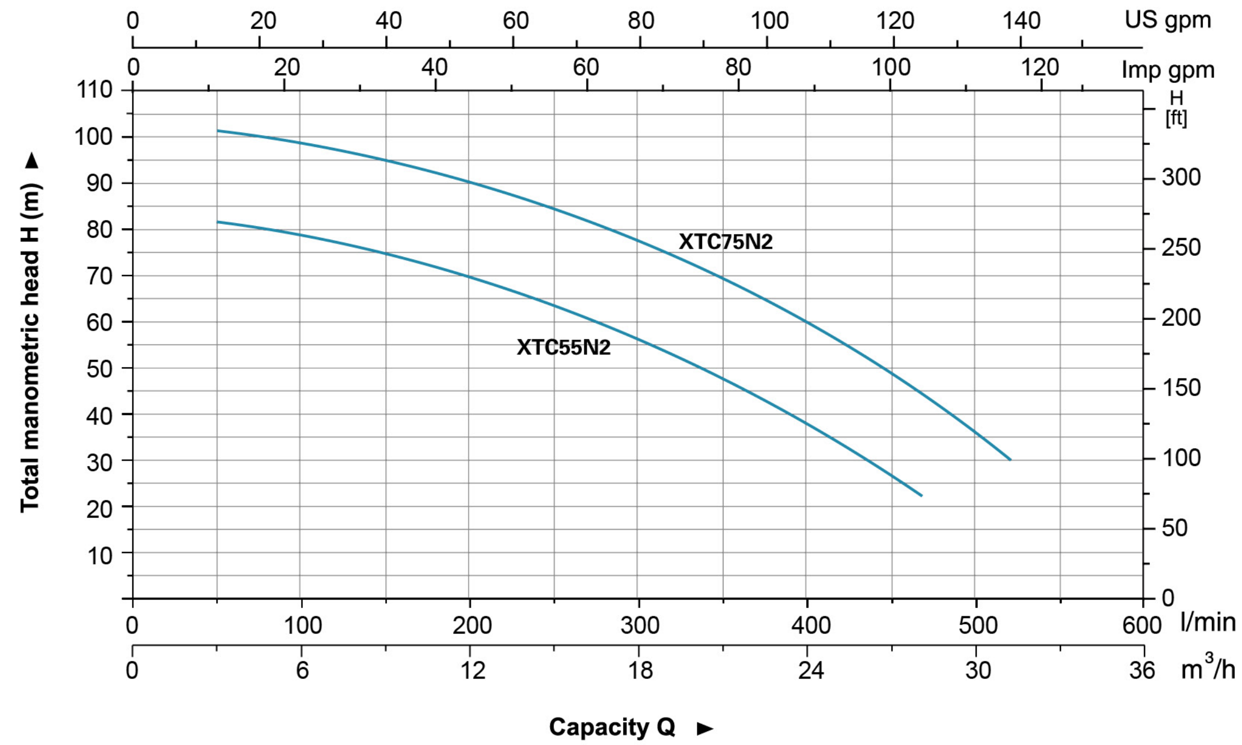


Dimension

Model	DNM	DNA	a (mm)	h2 (mm)	w (mm)	x (mm)	b (mm)	c (mm)	k (mm)
XTC55N2	NPT2	NPT2	137	210	263	180	60	15	150
XTC75N2	NPT2	NPT2	137	210	263	180	60	15	150

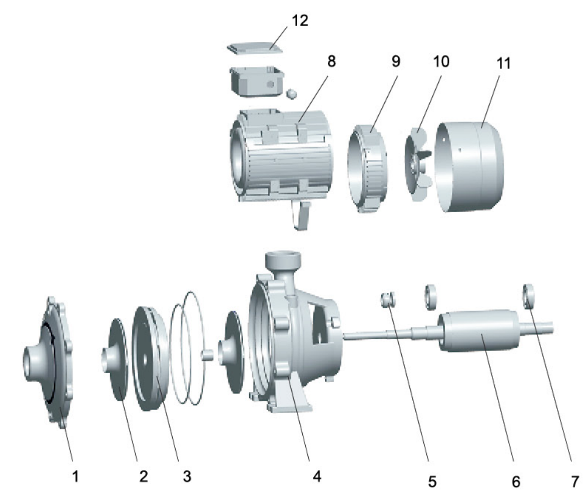
Model	h1 (mm)	m (mm)	m1 (mm)	n (mm)	n1 (mm)	s (mm)	B (mm)	H (mm)	L (mm)
XTC55N2	160	100	70	272	212	14	308	370	570
XTC75N2	160	100	70	272	212	14	308	370	591

Hydraulic Performance Curves



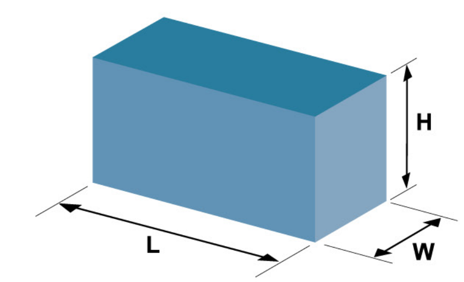
Materials Table

No.	Part	Material
1	Pump cover	HT200
2	Impeller	Brass
3	Guide vane	HT200
4	Pump body	HT200
5	Mechanical seal	Carbon/Ceramic
6	Rotor	
7	Bearing	
8	Stator	
9	Rear cover	HT200
10	Fan	PP
11	Fan cover	08F
12	Terminal box	ZL102



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XTC55N2	77	650	370	440	300
XTC75N2	83	650	370	440	300



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for industrial use and urban water supply, pressure boosting for high buildings and fire fighting, garden irrigation, long-distance water transfer, heating ventilation and air controlling, circulation and pressure boosting for cold and hot water, and supporting equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Max. liquid temperature: +75℃

Motor

- C&U bearing
- Insulation class: F
- Protection class: IP54
- Max. ambient temperature: +40℃
- IE3 for three phase motor

Identification Codes

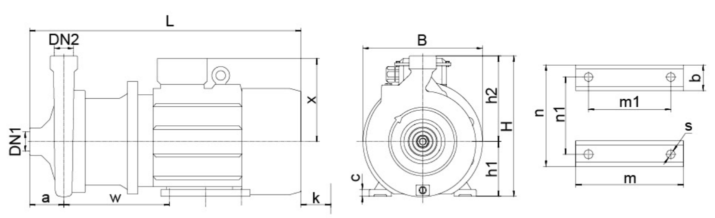
XTC 110 N2

- N2 — Inlet/Outlet NPT2
- 110 — Power (×100W)
- XTC — LEO Product Style

Technical Data

MODEL	VOLTAGE (V)	POWER		Q (m³/h)	0	5	10	15	20	25	30	35	40	45	50	55	58
Three Phase		kW	HP	Q (l/min)	0	83.3	166.7	250	333.3	416.7	500	583.3	666.7	750	833.4	916.7	966.7
XTC110N2	220-230/440-460	11	15	H (m)	71	69.5	68	67	65.5	64	60.5	58.5	55.5	51.5	47.5	43	40
XTC150N2	220-230/440-460	15	20		83.5	82.5	81.5	80	78.5	76.5	73.5	71	67	64	59.5	53.5	49

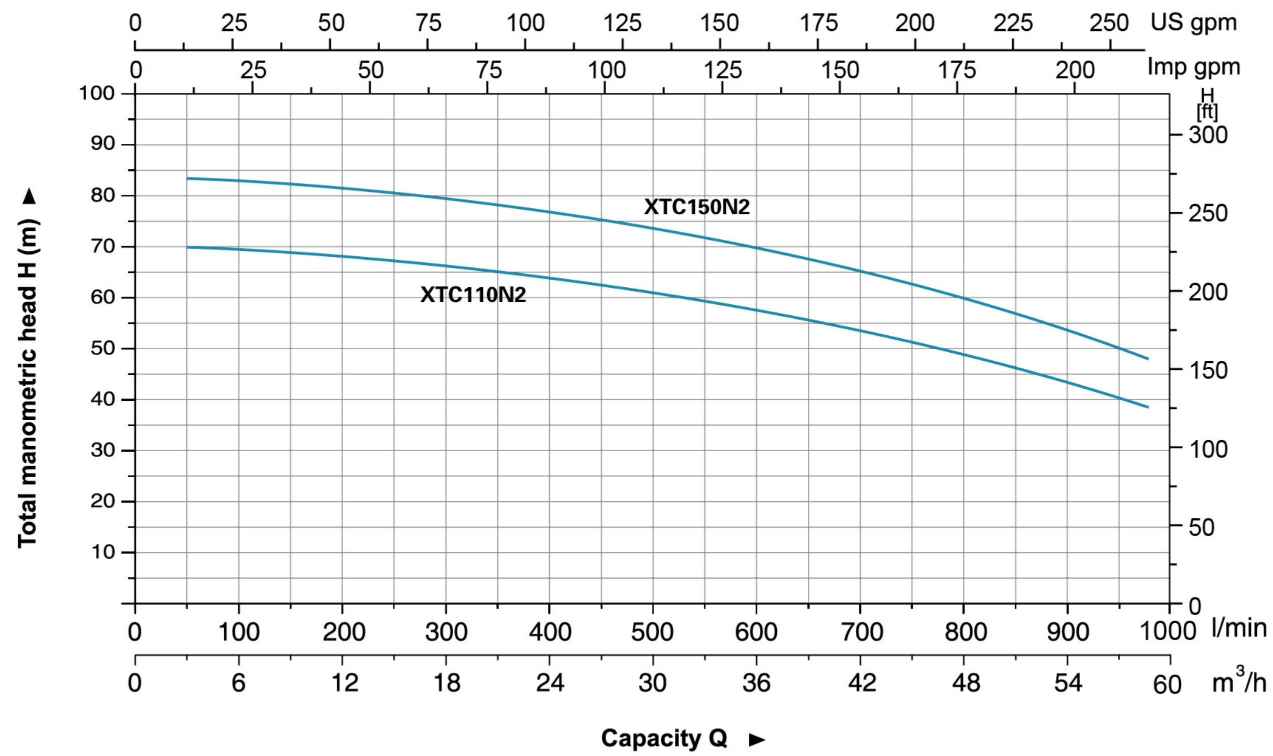
Dimension



Model	DNM	DNA	a (mm)	h2 (mm)	w (mm)	x (mm)	b (mm)	c (mm)	k (mm)
XTC110N2	NPT2	NPT2	93	252	309	245	65	20	235
XTC150N2									

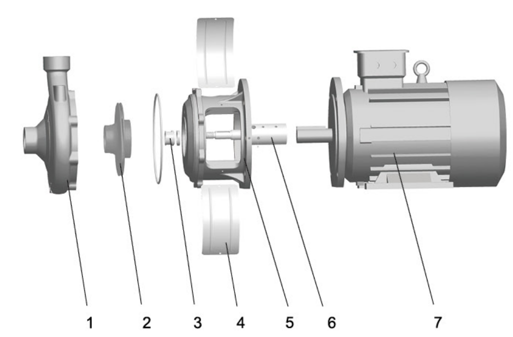
Model	h1 (mm)	m (mm)	m1 (mm)	n (mm)	n1 (mm)	s (mm)	B (mm)	H (mm)	L (mm)
XTC110N2	160	260	210	314	254	15	350	412	787
XTC150N2									

Hydraulic Performance Curves



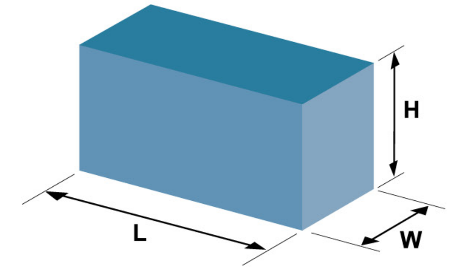
Materials Table

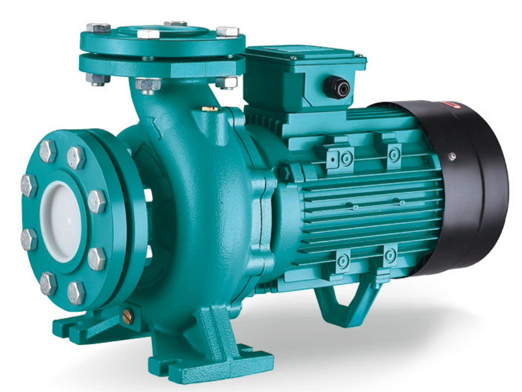
No.	Part	Material
1	Pump body	HT200
2	Impeller	Brass
3	Mechanical seal	Carbon/Ceramic
4	Guarding plate	AISI 304
5	Support	HT200
6	Coupling	
7	Motor	



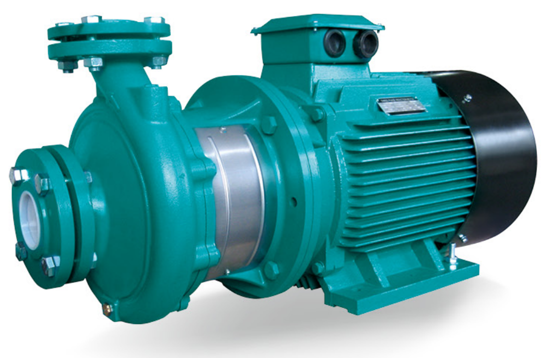
Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XTC110N2	165	915	405	580	152
XTC150N2	178				





1.1kw~7.5kw



9.2kw~55kw

Application

- Circulation and transfer of clean, chemically non-aggressive water and other liquids
- Water supply & irrigation
- Water circulation in air conditioning systems

Operating conditions

- Delivery: up to 220 m^3/h
- Head: up to 95 m
- Liquid temperature:
- Standard: -10℃ to 85℃
- Maximum operating pressure: 12 bar (PN12)
- Anti–clockwise rotation when facing pump's suction port
- Impeller: HT200
- Mechanical seal in compliance with DIN 24960
- Lubricated by internal recirculating pumped liquid
- Counter flange available on request

Motor

- Closed construction, external ventilation
- Insulation class: F
- Protection class: IP54
- Performance in compliance with CEI 2-3 (IEC 34.1)
- Max.ambient temperature: +40℃
- For model that ≥9.2kw: Equiped with IE2 motor, IE3 motor available on request.
  For model that ≤7.5kw, the following 4 models can equiped with IE3 motor. (XST40-160/30、XST40-160/40、XST50-160/55、XST50-160/75)

Construction Features

- Single-impeller centrifugal pump featuring axial intake and radial discharge
- Inlet and outlet DN in compliance with EN 733 (ex DIN 24255) and UNI 7467
- Flanges in compliance with UNI 2236 and DIN 2532 Rear entry (inpellwe,motor can be extracted without disconnecting the pump body from the pipes)
- Pump body, impeller, bracket are treated by e-coating to get better rust resistance.

Identification Codes

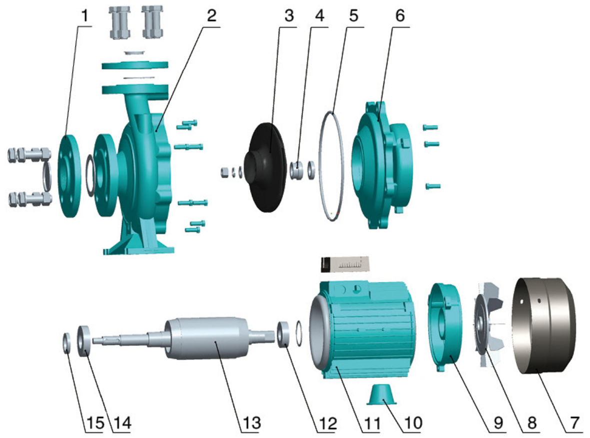
XST m 65 - 200 K / 185 A

- A: 60 Hz Model
- 185: Rated Power (1/10 kW)
- K: Extented Model
- 200: Impeller Nominal Diameter (mm)
- 65: Outlet Diameter (mm)
- m: Single Phase (m is omitted for three-phase)
- XST: Standard Centrifugal Pump

Materials Table

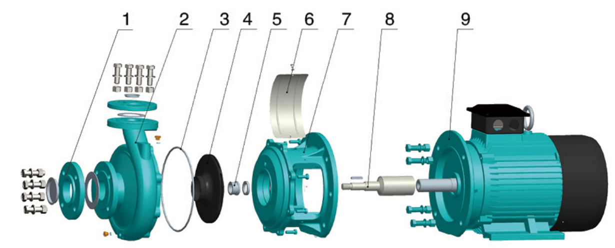
1.1kw~7.5kw

No.	Part	Material
1	Flange	HT200
2	Pump body	HT200
3	Impeller	HT200
4	Mechanical seal	Carbon/Silicon carbide
5	O-ring	NBR
6	Pump support	HT200
7	Fan cover	08F
8	Fan	PP
9	Rear cover	ZL102
10	Support	HT200
11	Stator	
12	Bearing	
13	Rotor	
14	Bearing	
15	Oil seal	

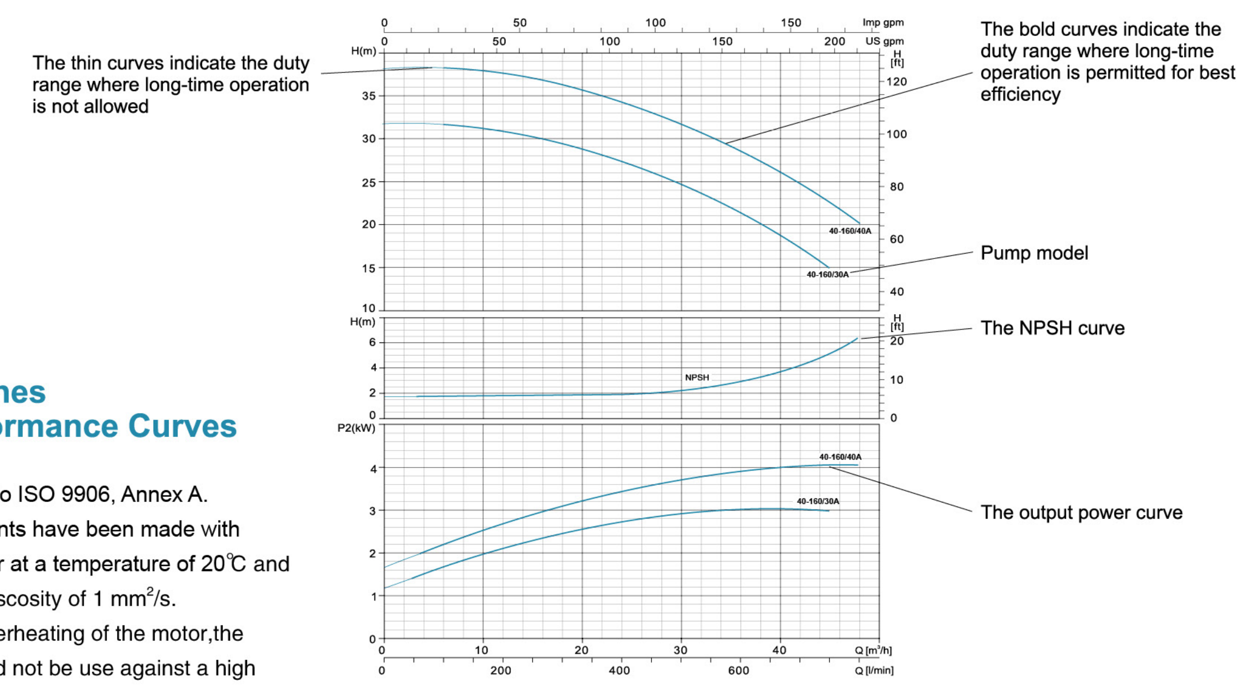


9.2kw~55kw

No.	Part	Material
1	Flange	HT200
2	Pump body	HT200
3	O-ring	NBR
4	Impeller	HT200
5	Mechanical seal	Carbon/Silicon carbide
6	Guarding plate	06Cr19Ni10
7	Pump support	HT200
8	Pump shaft	45/06Cr19Ni10
9	Motor	



How to Read The Curve Charts



Guidelines to Performance Curves

Tolerances to ISO 9906, Annex A.
Measurements have been made with airless water at a temperature of 20℃ and kinematic viscosity of 1 mm^2/s.
To avoid overheating of the motor,the pump should not be use against a high head for a long time.

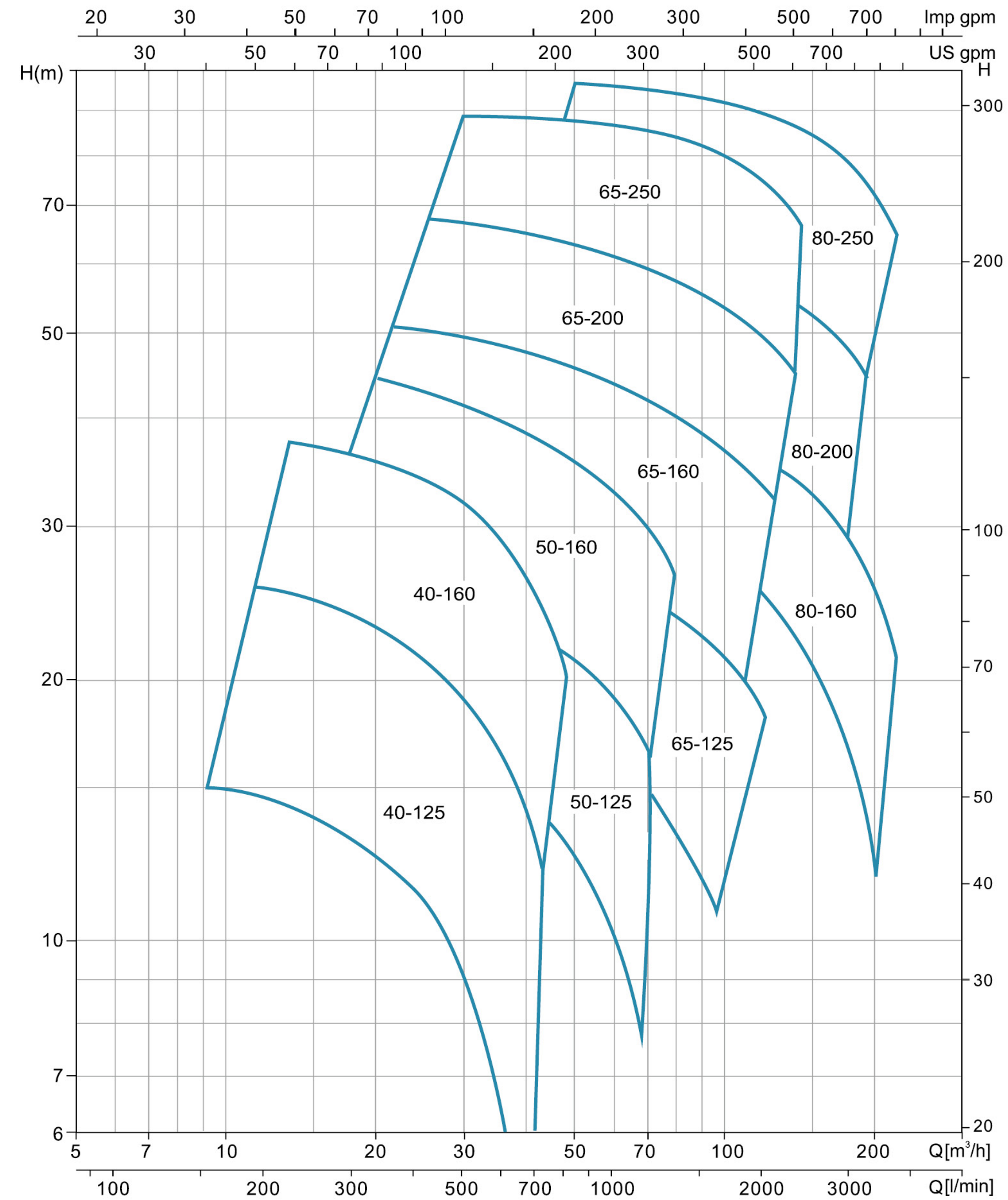
Technical Data

PUMP TYPE	POWER			Q=DELIVERY															
			l/min	0	300	400	450	600	700	800	900	1200	1400	1500	1800	2000	2300	3000	3500
	kW	HP	m^3/h	0	18	24	27	36	42	48	54	72	84	90	108	120	138	180	210
XST40-125/11A △	1.1	1.5		14.7	13	11.5	10.1	-	-	-	-	-	-	-	-	-	-	-	-
XST40-125/15A △	1.5	2		18.1	17	15	13.9	-	-	-	-	-	-	-	-	-	-	-	-
XST40-125/22A △	2.2	3		24.5	23.2	21.5	20.2	16	12	-	-	-	-	-	-	-	-	-	-
XST40-160/30A	3	4		31.8	29	27.5	26.3	21.5	17.5	-	-	-	-	-	-	-	-	-	-
XST40-160/40A	4	5.5		38	36	34	33	28.5	25	20.1	-	-	-	-	-	-	-	-	-
XST50-125/22A △	2.2	3		17	-	-	-	15.4	14	12.8	11.5	-	-	-	-	-	-	-	-
XST50-125/30A	3	4		20	-	-	-	18.8	18	17	15.6	-	-	-	-	-	-	-	-
XST50-125/40A	4	5.5		24	-	-	-	23.1	22.6	21.5	20.3	15.8	-	-	-	-	-	-	-
XST50-160/55A	5.5	7.5		32	-	-	-	30.6	30	28	26.6	20.5	-	-	-	-	-	-	-
XST50-160/75A	7.5	10		40	-	-	-	38	37	36	34.4	29	-	-	-	-	-	-	-
XST65-125/40A	4	5.5		19	-	-	-	-	-	17.3	16.8	14.5	13	11.8	-	-	-	-	-
XST65-125/55A	5.5	7.5		23	-	-	-	-	-	21.3	20.9	19	17.5	16.7	13.7	-	-	-	-
XST65-125/75A	7.5	10		27	-	-	-	-	-	26	25.6	24.5	23	22.5	20	18	-	-	-
XST65-160/92A	9.2	12.5		33	-	-	-	-	-	-	31.5	30	28	27.1	24	21.5	-	-	-
XST65-160/110A	11	15		36	-	-	-	-	-	-	34.5	33	31.5	30.8	28	25.5	-	-	-
XST65-160/150A	15	20		42	-	-	-	-	-	-	41	40	38.5	37.8	35	33	-	-	-
XST65-200/150A	15	20	H (m)	45.5	-	-	-	-	-	-	46	43.5	41	39.2	33	-	-	-	-
XST65-200/185A	18.5	25		53	-	-	-	-	-	-	53.5	51.2	48.3	47	41.5	-	-	-	-
XST65-200/220A	22	30		59	-	-	-	-	-	-	59.5	57.2	54	53	47	43.5	-	-	-
XST65-200K/185A	18.5	25		41.2	-	-	-	-	-	-	-	42	41.2	40.6	38.2	36.5	34	-	-
XST65-200K/220A	22	30		48	-	-	-	-	-	-	-	-	48	47.5	46	44	41	-	-
XST65-200K/300A	30	40		59.5	-	-	-	-	-	-	-	-	59	58.5	58	56.2	54	-	-
XST65-250/220A	22	30		62	-	-	-	-	-	-	61.5	58.2	56.5	54	49	45	-	-	-
XST65-250/300A	30	40		76	-	-	-	-	-	-	75	73	70	69	64	61	54	-	-
XST65-250/370A	37	50		90	-	-	-	-	-	-	88	86	84	82	78	74	68	-	-
XST80-160/110A	11	15		27	-	-	-	-	-	-	-	-	-	27.3	26	24.5	22.5	16	-
XST80-160/150A	15	20		32.8	-	-	-	-	-	-	-	-	-	32.5	31.3	30.2	28	22.1	16.7
XST80-160/185A	18.5	25		39	-	-	-	-	-	-	-	-	-	38	36.8	35.7	33.8	28.8	23.5
XST80-200/220A	22	30		48	-	-	-	-	-	-	-	-	-	47.5	46	43.5	41	32.5	-
XST80-200/300A	30	40		60	-	-	-	-	-	-	-	-	-	59.5	58	57	54.5	47	-
XST80-250/370A	37	50		71.5	-	-	-	-	-	-	-	-	-	70.5	67.5	65.5	61.5	49.5	38
XST80-250/450A	45	60		82	-	-	-	-	-	-	-	-	-	80.5	78.5	76.5	72	62	51
XST80-250/550A	55	75		95	-	-	-	-	-	-	-	-	-	93.5	91.2	89.8	86.8	77.6	68.3

Models marked with " △ " have both single phase and three phase type, other models only have three phase type

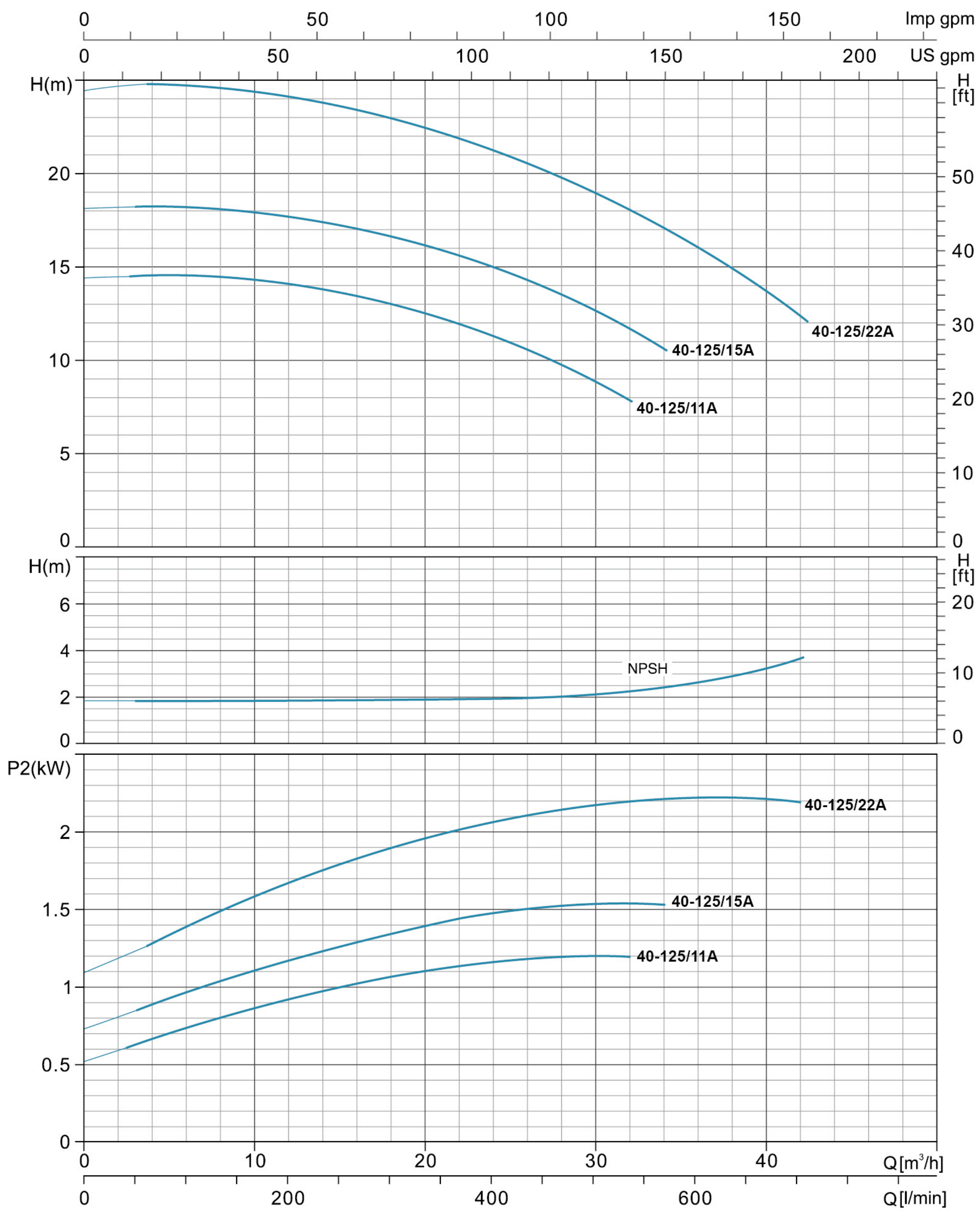
Characteristic Curves

XST	~3450rpm	ISO 9906 Annex A



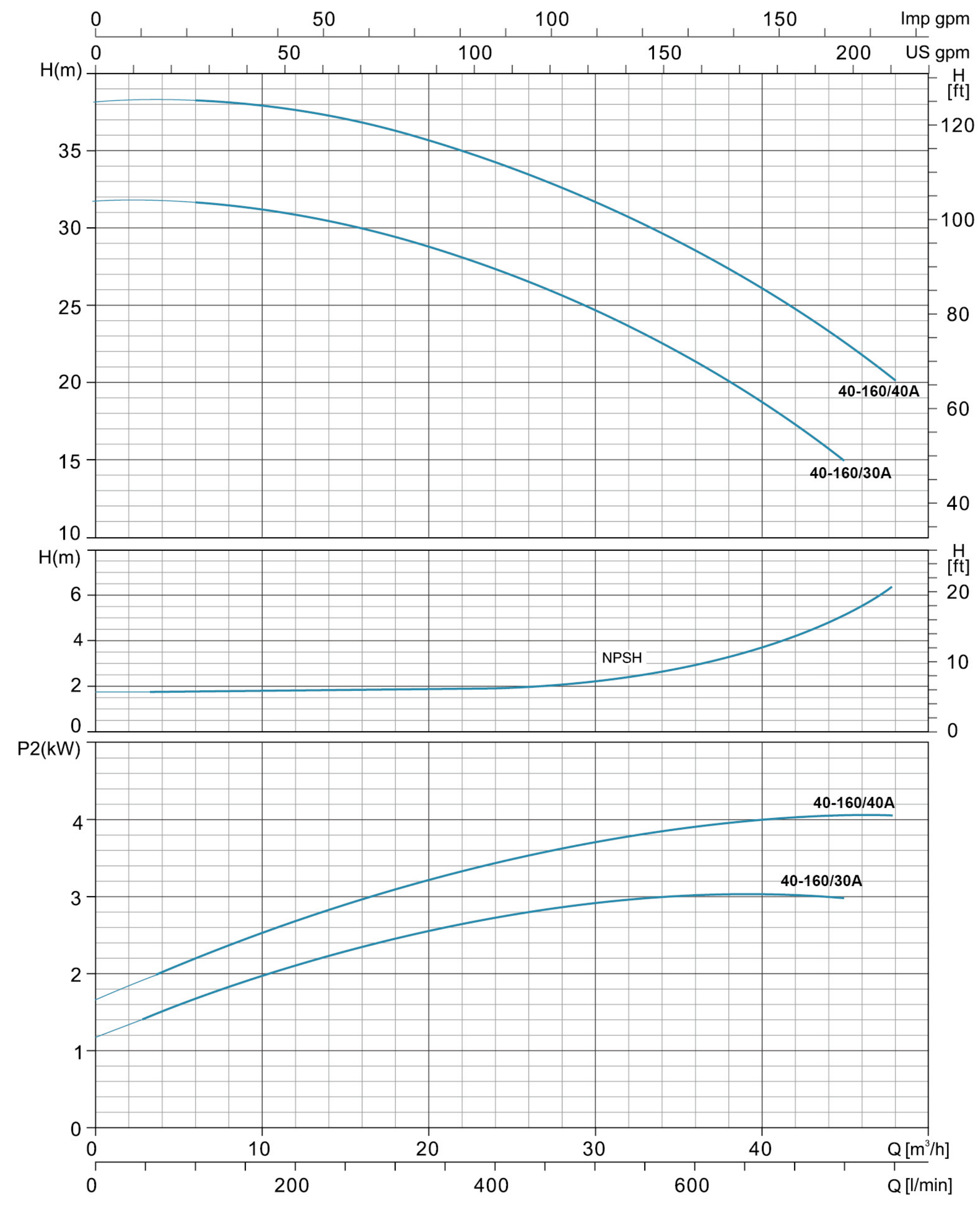
Hydraulic Performance Curves

XST(m)40-125	~3450rpm	ISO 9906 Annex A



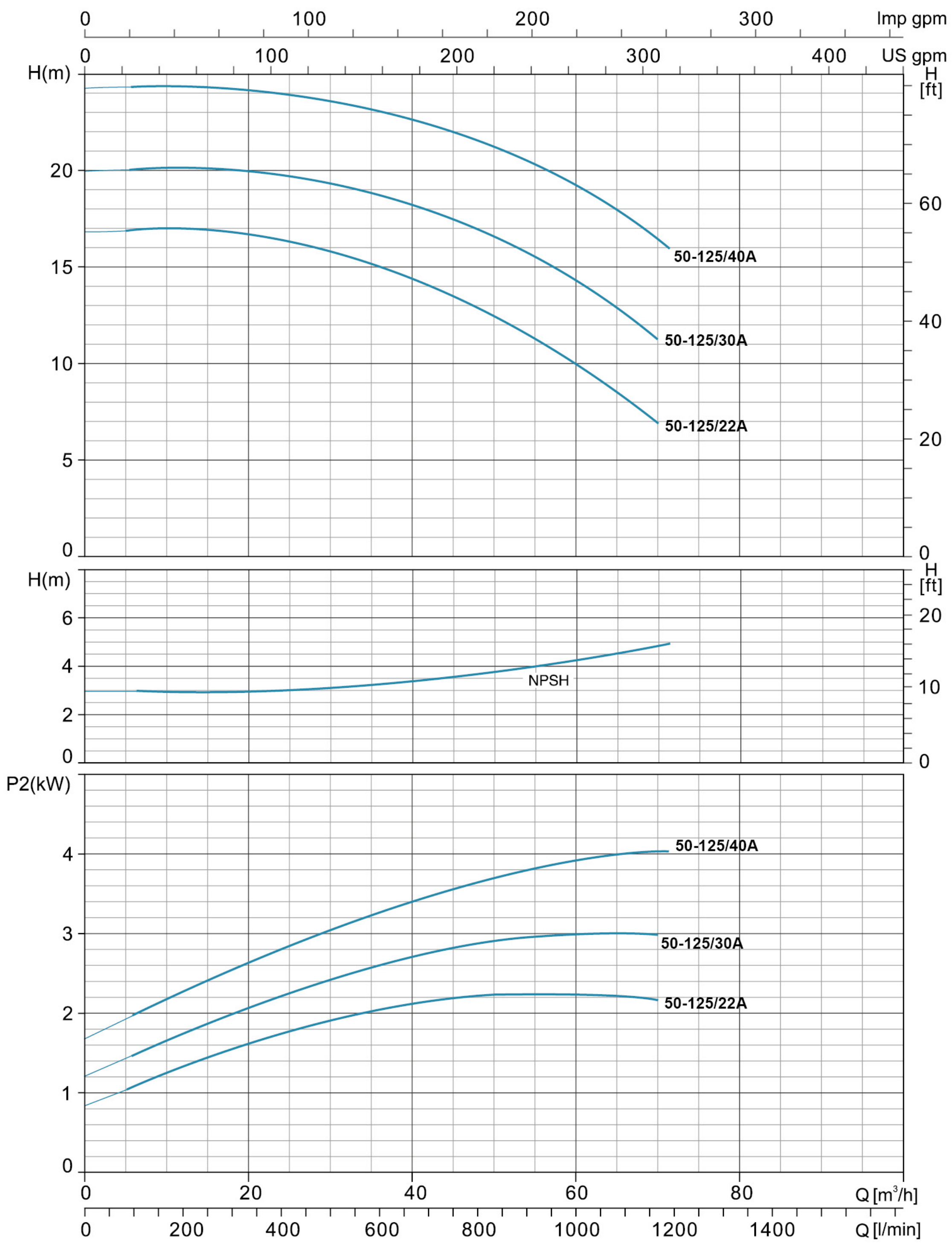
Hydraulic Performance Curves

XST40-160	~3450rpm	ISO 9906 Annex A



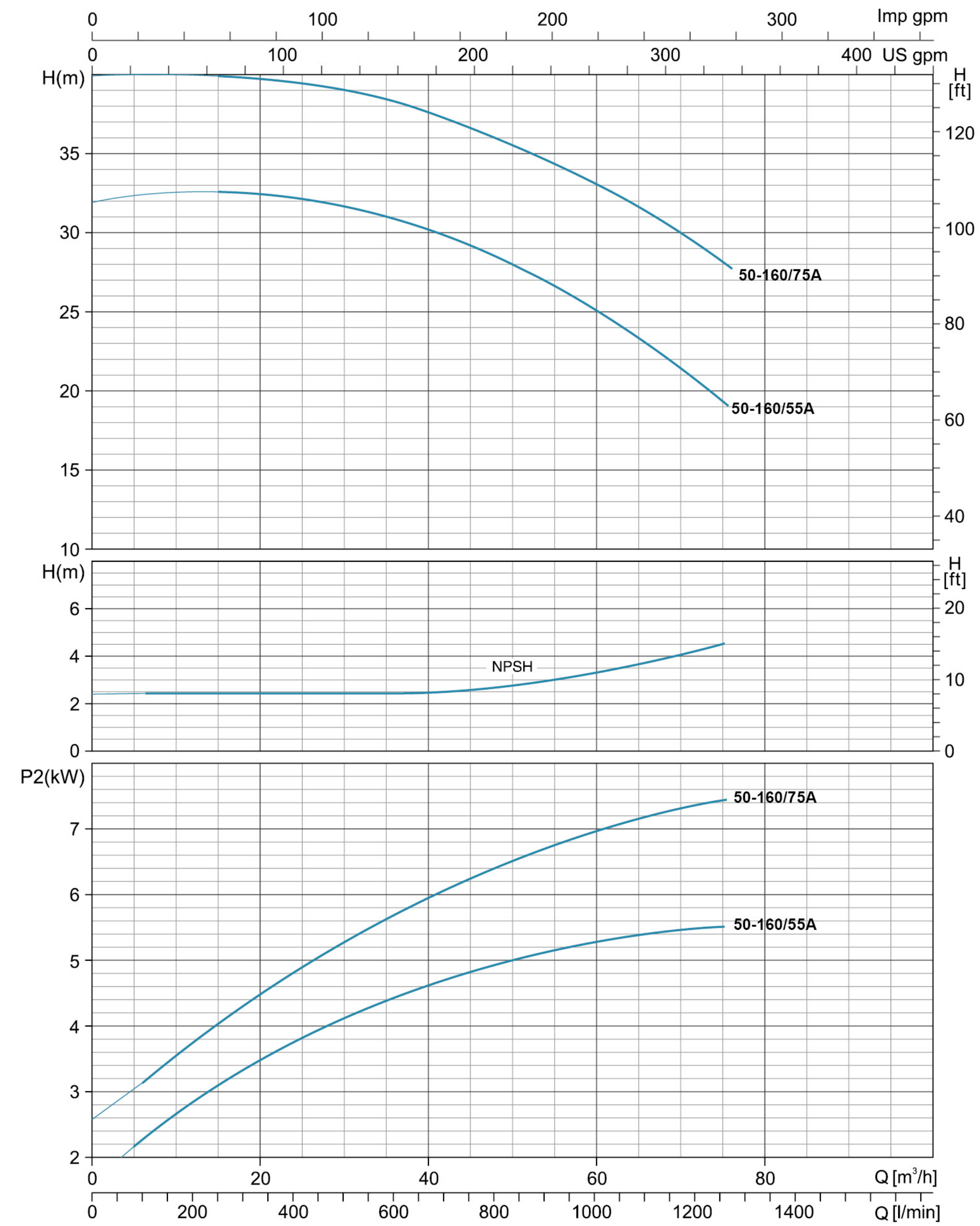
Hydraulic Performance Curves

XST(m)50-125	~3450rpm	ISO 9906 Annex A



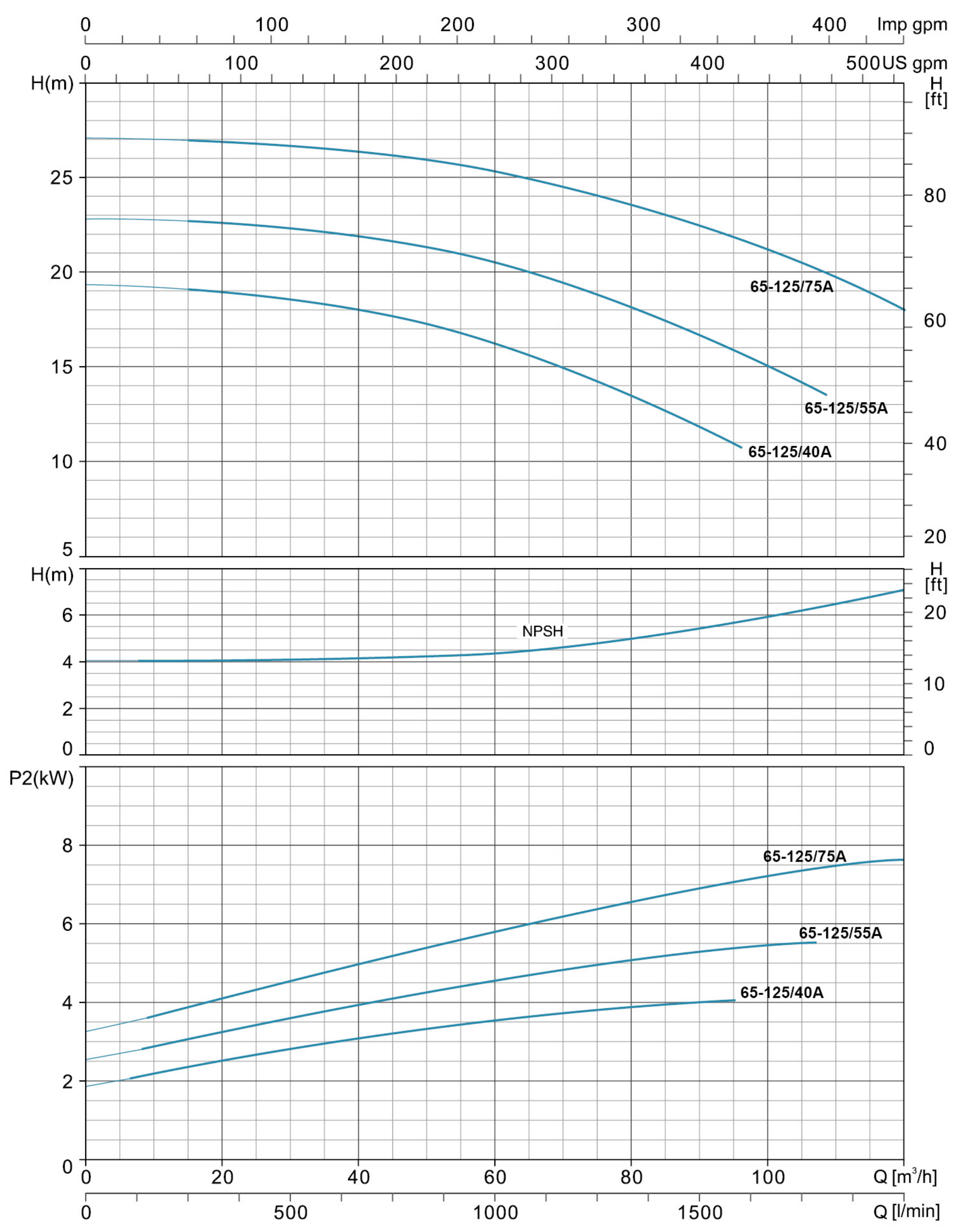
Hydraulic Performance Curves

XST50-160	~3450rpm	ISO 9906 Annex A



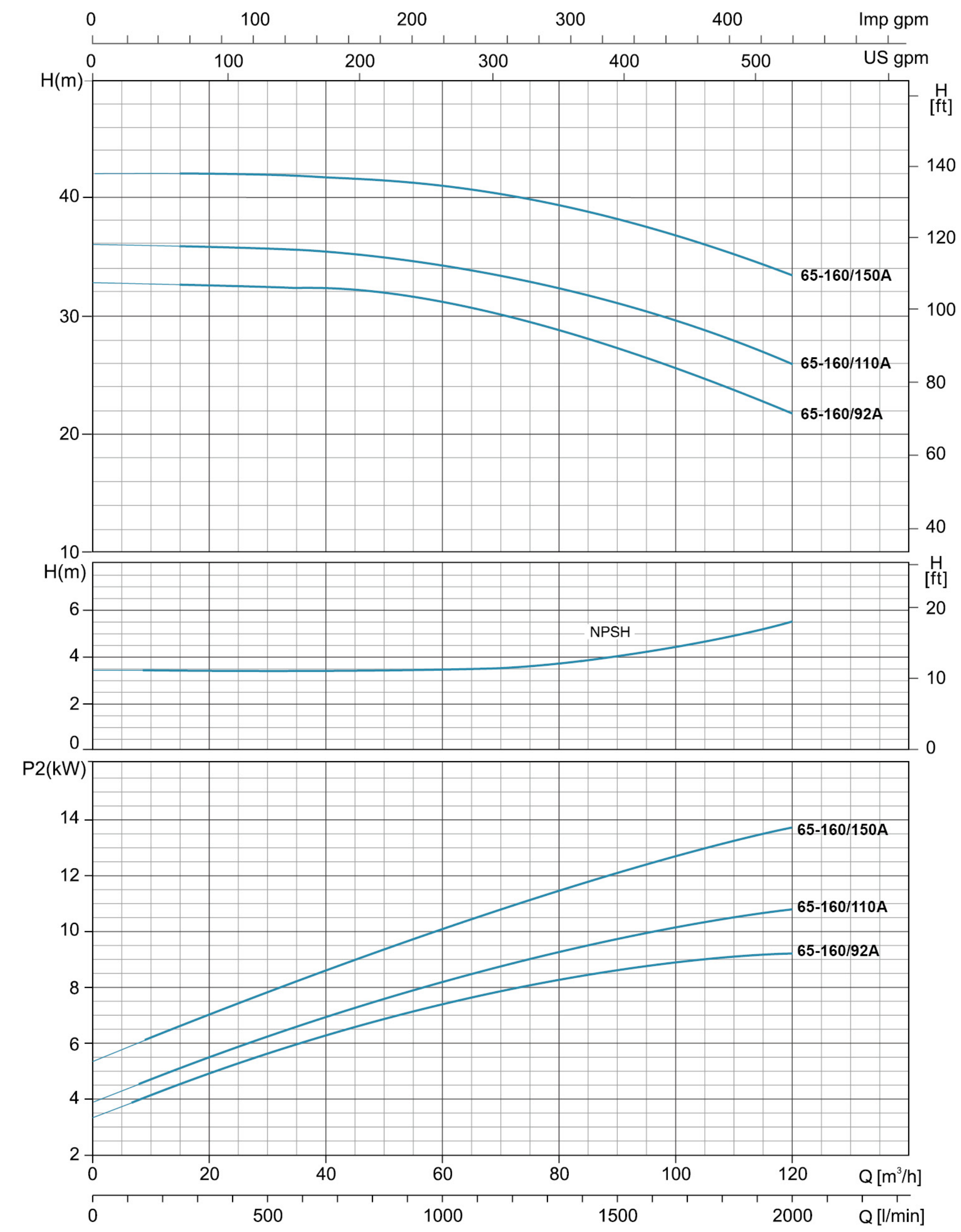
Hydraulic Performance Curves

XST65-125	~3450rpm	ISO 9906 Annex A



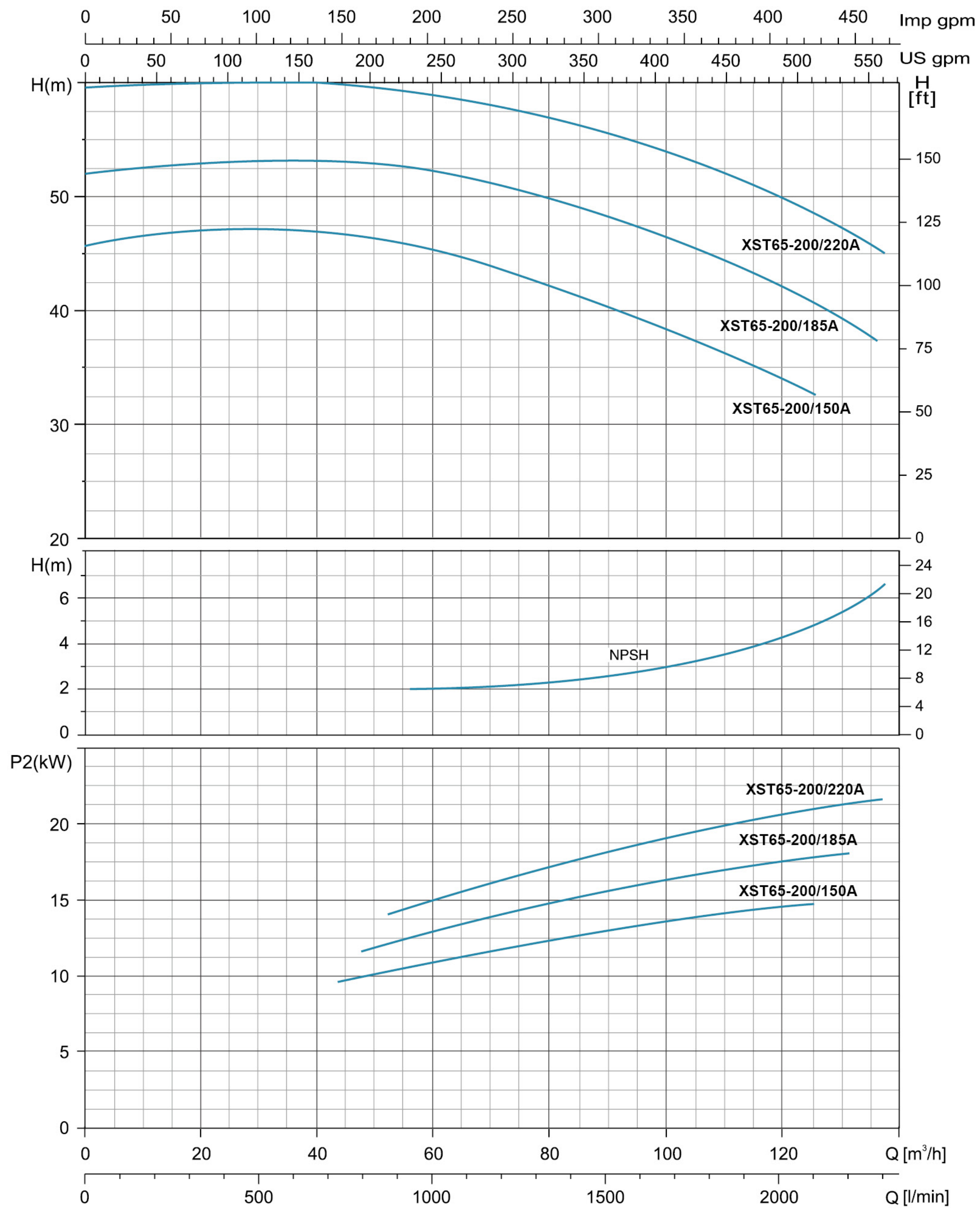
Hydraulic Performance Curves

XST65-160	~3450rpm	ISO 9906 Annex A



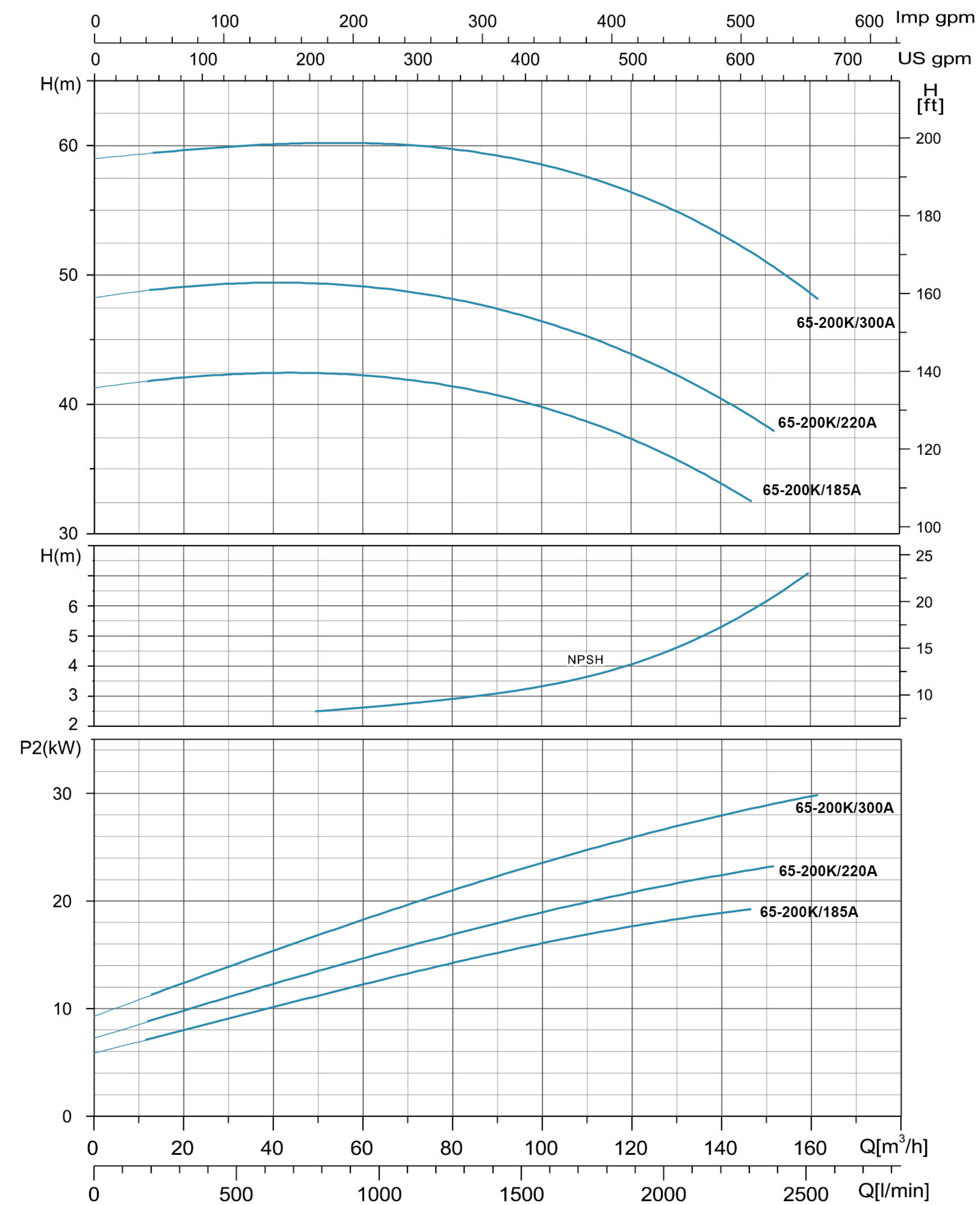
Hydraulic Performance Curves

XST65-200	~3450rpm	ISO 9906 Annex A



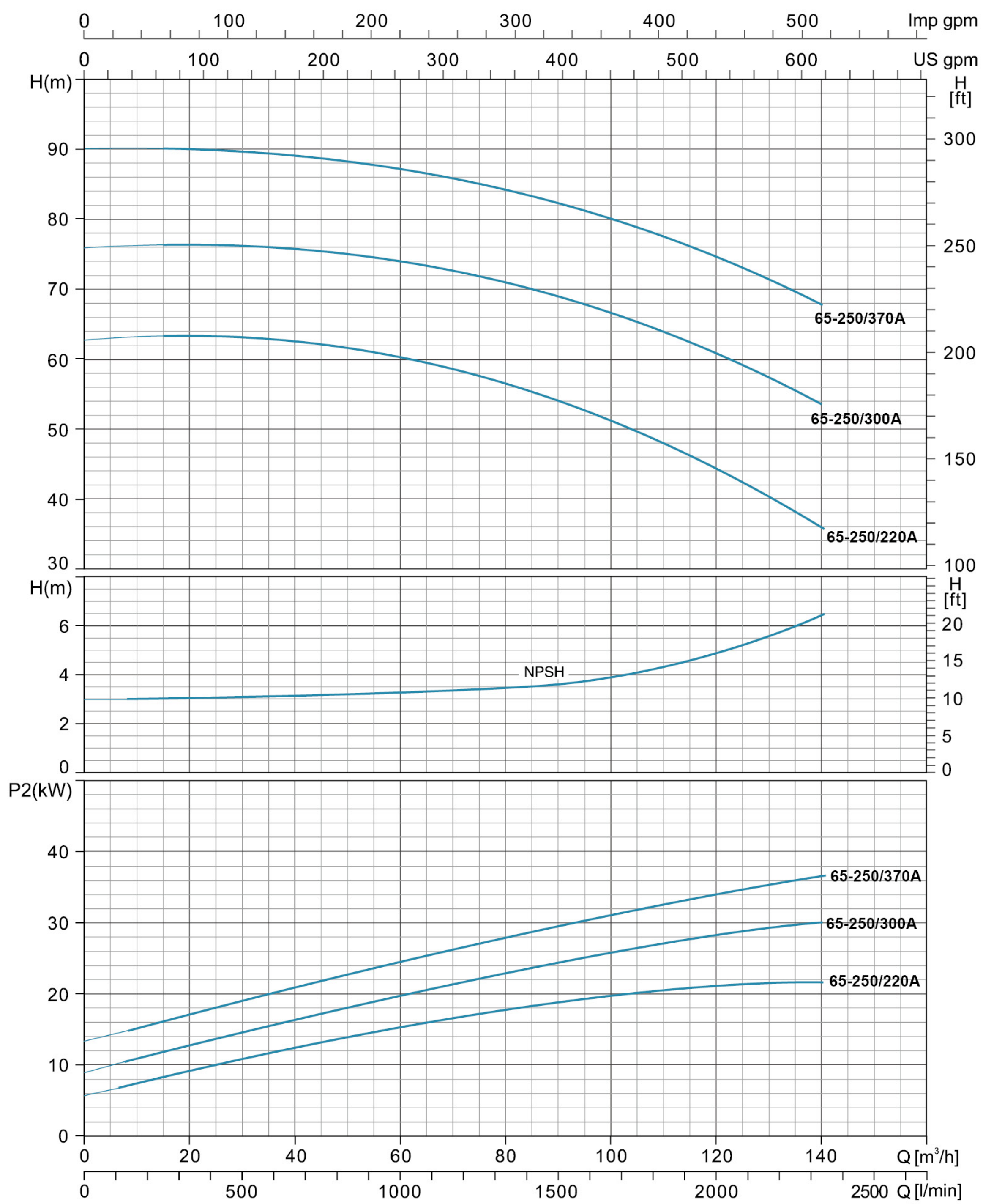
Hydraulic Performance Curves

XST65-200K	~3450rpm	ISO 9906 Annex A



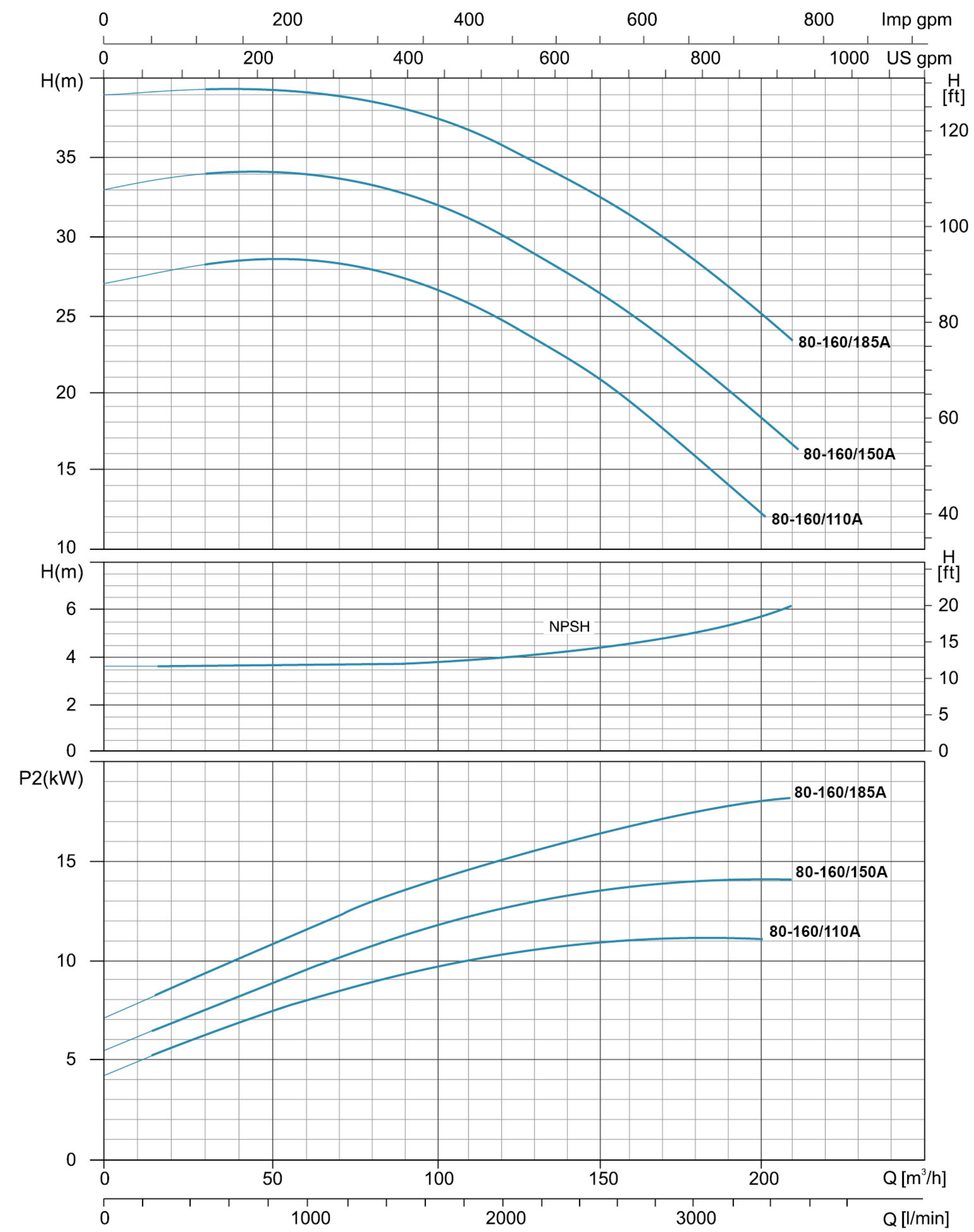
Hydraulic Performance Curves

XST65-250	~3450rpm	ISO 9906 Annex A



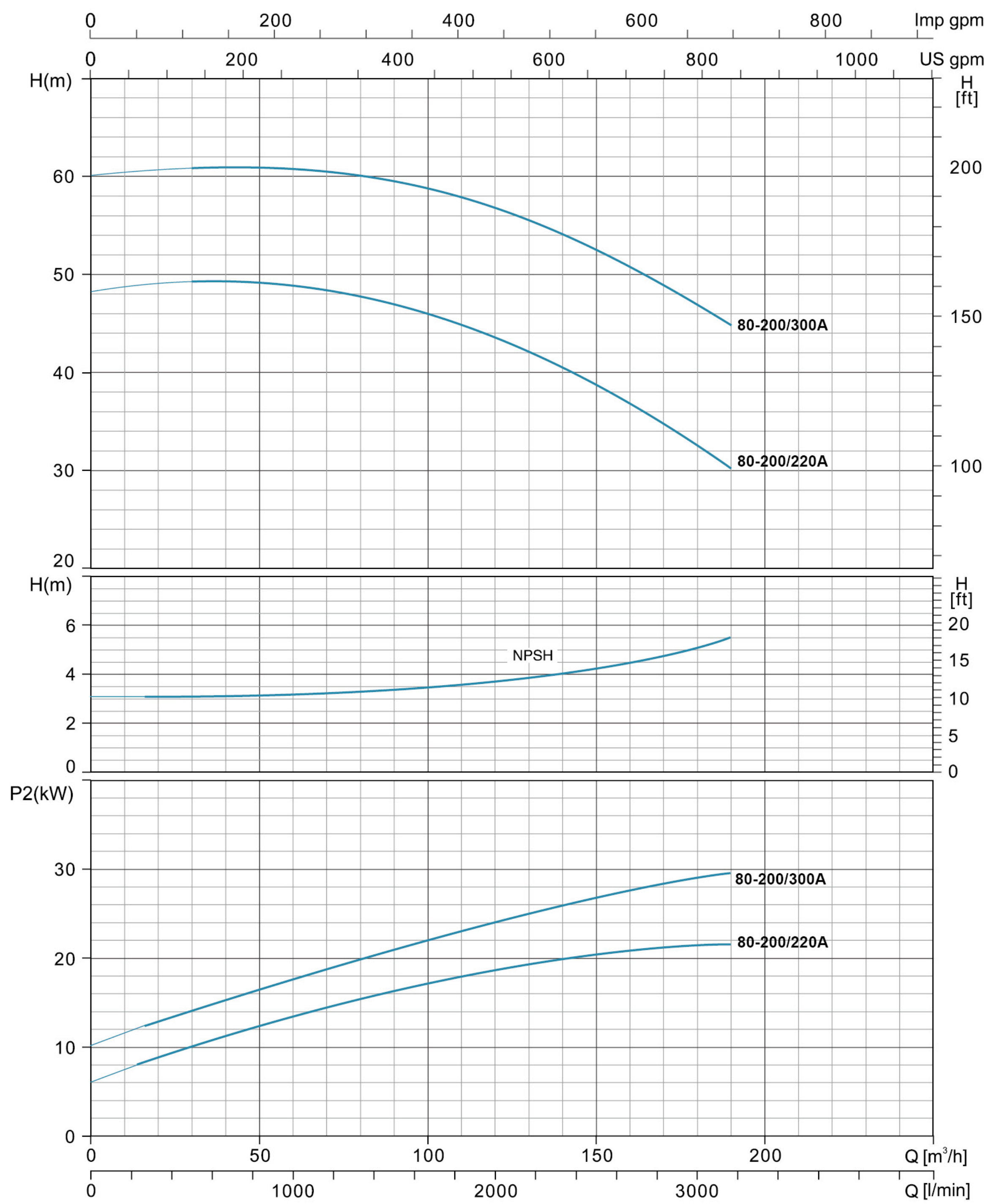
Hydraulic Performance Curves

XST80-160	~3450rpm	ISO 9906 Annex A



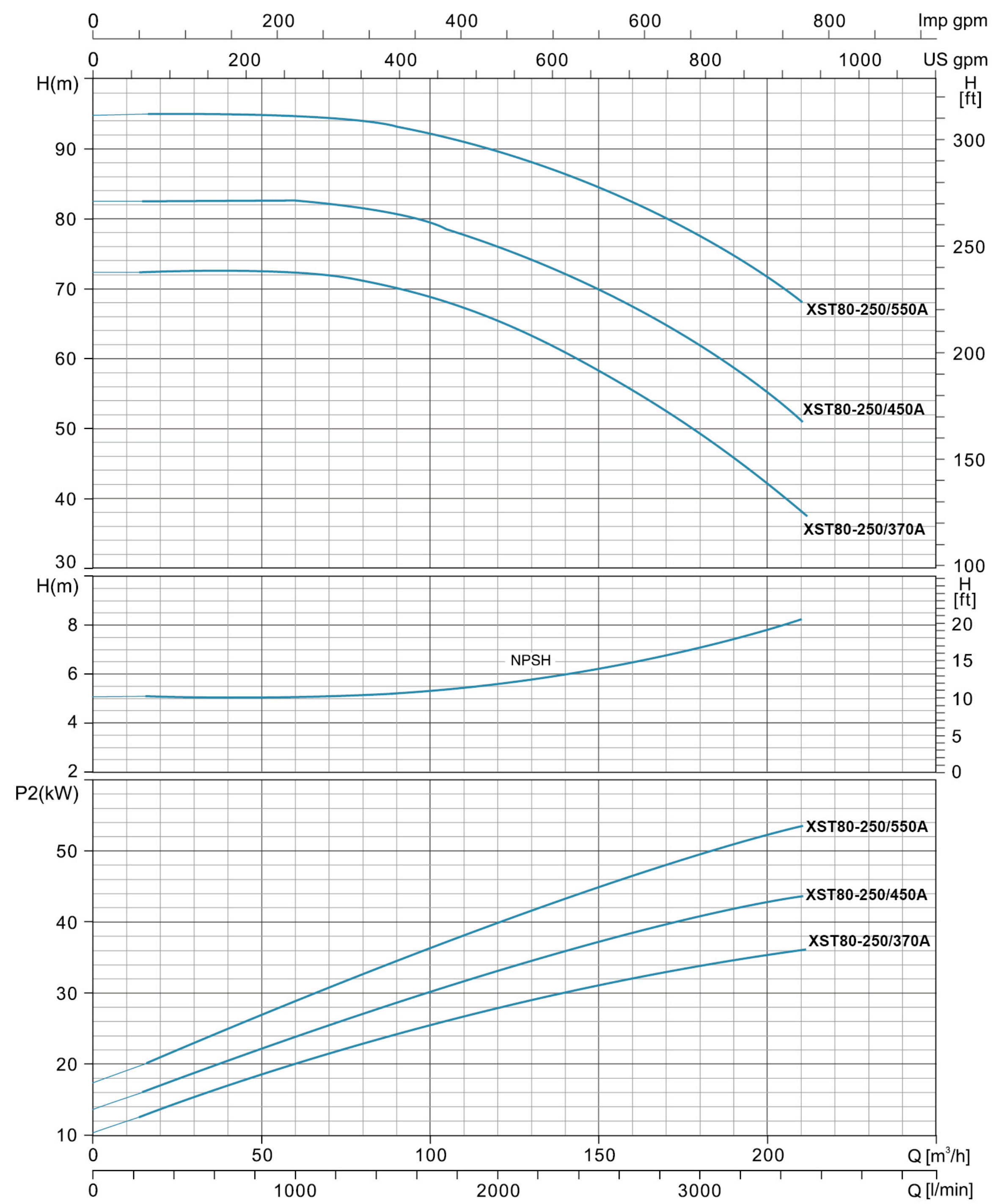
Hydraulic Performance Curves

XST80–200	~3450rpm	ISO 9906 Annex A

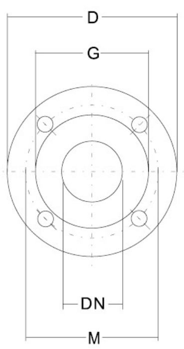


Hydraulic Performance Curves

XST80–250	~3450rpm	ISO 9906 Annex A

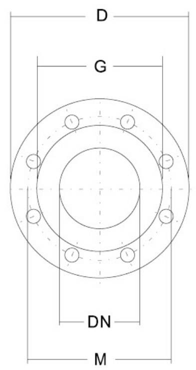


Flange Dimensions



PN16 FLANGES

DN	D	M	G	HOLES N°	HOLES ⌀	MAX. THICKNESS
40	150	110	88	4	18	18
50	165	125	102	4	18	20
65	185	145	122	4	18	20

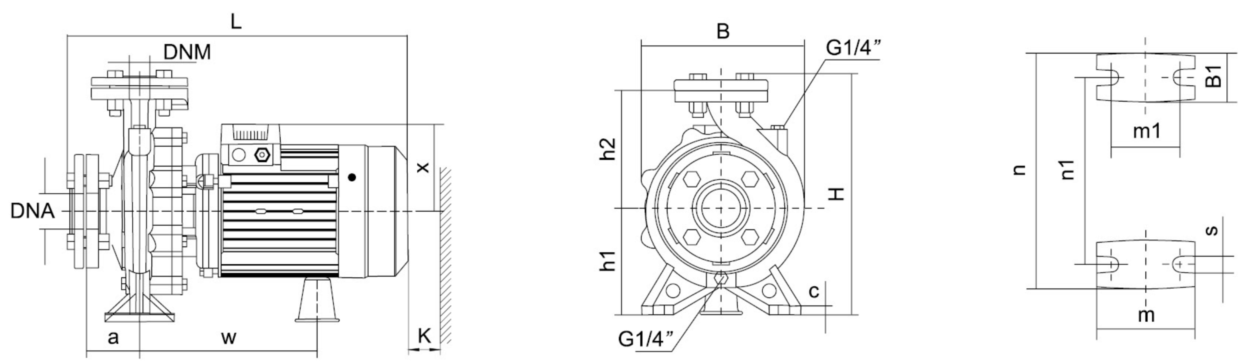


PN16 FLANGES

DN	D	M	G	HOLES N°	HOLES ⌀	MAX. THICKNESS
80	200	160	138	8	18	22
100	220	180	158	8	18	22

Installation Sketch

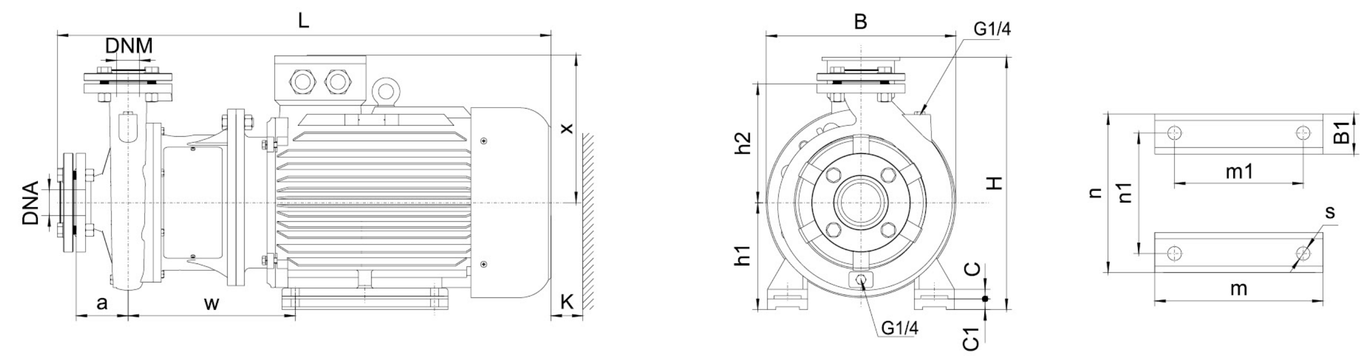
up to 7.5 kW included



MODEL	DNM	DNA	a	w	x	h2	B1	c	h1	m	m1	n	n1	s	B	H	L	K
40-125/11A	40	65	80	255	127	140	45	12	112	100	70	210	160	15	218	282	489	95
40-125/15A																		
40-125/22A																		
40-160/30A				238	127	168	48		132			240	190		249	330	494	105
40-160/40A																		
50-125/22A	50	65	100	262	127	160	50	12	132	100	70	240	190		243	322	518	110
50-125/30A																		
50-125/40A																		
50-160/55A				262	180	180	52		160			264	212		272	370	556	
50-160/75A																	586	
65-125/40A	65	80	100	265	180	180	68	14	160	125	95	280	212		283	372	564	
65-125/55A																		
65-125/75A																	594	

Installation Sketch

From 7.5 kW

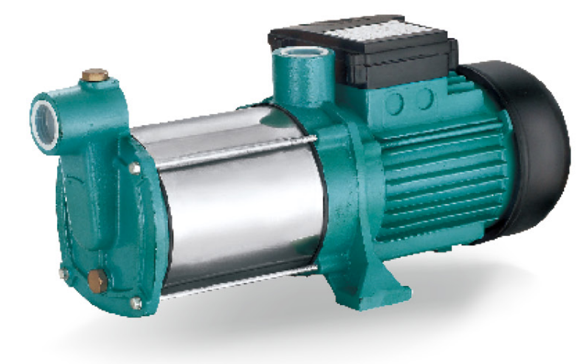


MODEL	DNM	DNA	a	w	x	h2	B1	C	C1	h1	m	m1	n	n1	s	B	H	L	K
65-160/92A	65	80	100	310	260	200	65	20	-	160	260	210	320	254	14.5	350	420	845	125
65-160/110A																			
65-160/150A																			
65-200/150A						225			20	180							440		
65-200/185A											304	254						895	
65-200/220A				323	275		70	22	-		311	241	355	279		355	455	925	
65-200K/185A				337	260		65	20	20		304	254	320	254			440	920	
65-200K/220A				350	275		70	22	-		311	241	355	279			455	950	
65-200K/300A				362	305			25			369	305	395	318	18.5		505	1020	
65-250/220A				353	275	250		22			311	241	355	279	14.5		455	956	
65-250/300A				365	305			25		200	369	305	395	318	18.5	400	505	1026	
65-250/370A																			
80-160/110A	80	100	125	315	260	225	65	20		160	260	210	320	254	14.5	350	420	870	130
80-160/150A																			
80-160/185A											304	254						926	
80-200/220A				352	275	250	70	22		180	311	241	355	279		355	461	978	
80-200/300A				365	305			25		200	369	305	395	318	18.5	400	505	1050	
80-250/370A						280											508		
80-250/450A				381	330		75	28		225	404	311	435	356	18.5	450	555	1098	120
80-250/550A				433	365		80	30	30	280	450	349	490	406	24	550	646	1192	

XST

XCm

Stainless Steel Multistage Centrifugal Pump



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for industrial use and urban water supply , domestic water supply , high rise buildings, long distance water transfer and related auxiliary equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- C&U bearing
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient Temperature: +40℃
- IE 2 motor (Three phase, power ≥ 0.75kW)

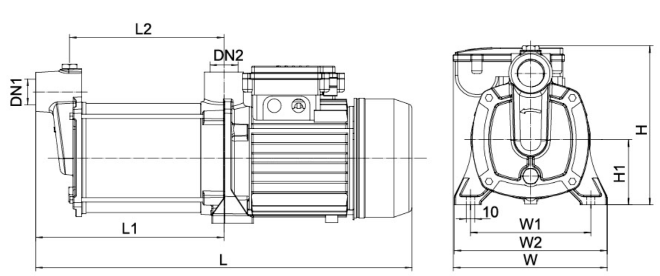
Identification Codes

4 XC m 100 S

- S — Stainless Steel Barrel
- 100 — Impeller Nominal Diameter (mm)
- m — Single Phase Motor (Omitted for three-phase motor)
- XC — Centrifugal Pump
- 4 — Impeller Stage

Technical Data

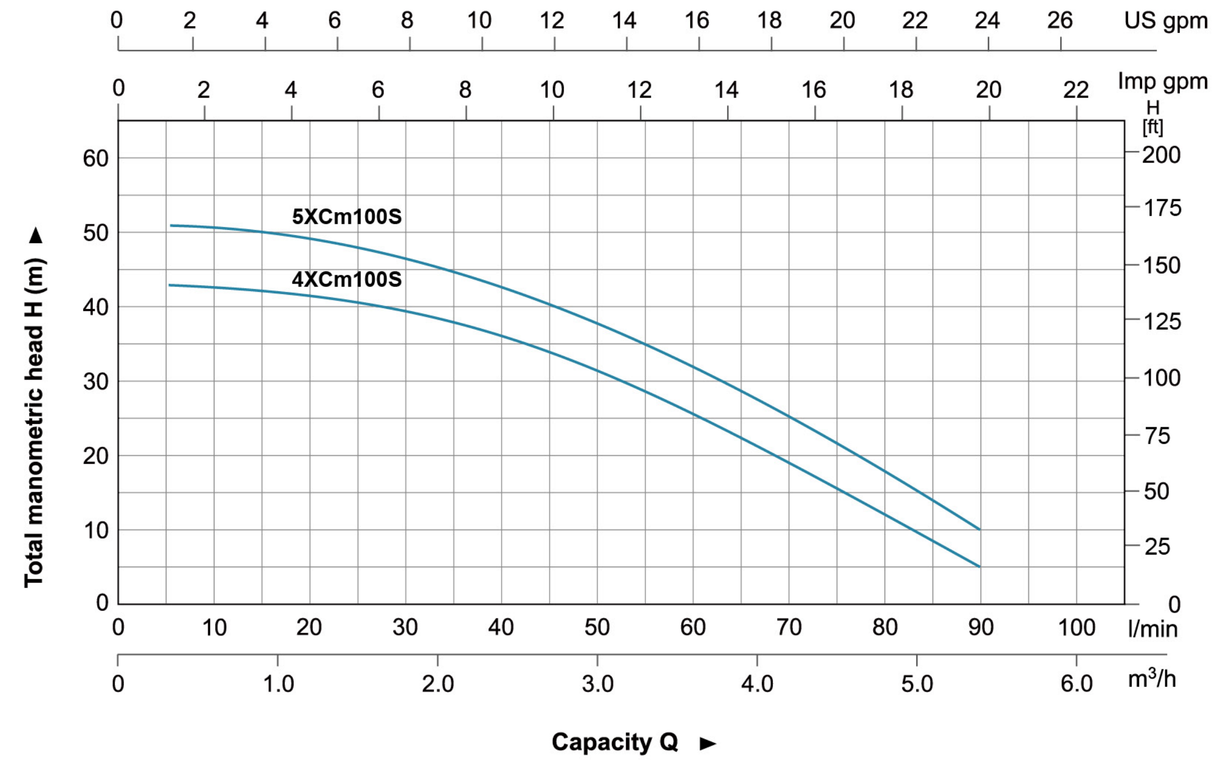
MODEL	POWER		Q (m^3/h)	0	0.6	1.2	2.1	2.4	3.0	3.6	4.2	4.8	5.4
	kW	HP	Q (l/min)	0	10	20	35	40	50	60	70	80	90
4XCm100S	0.75	1	H (m)	45	43.5	41	38.5	35	30.5	25.5	19.5	12.5	5
5XCm100S	0.9	1.2		55	52.5	49.5	46.5	42.5	38	32	25	18	10.5



Dimension

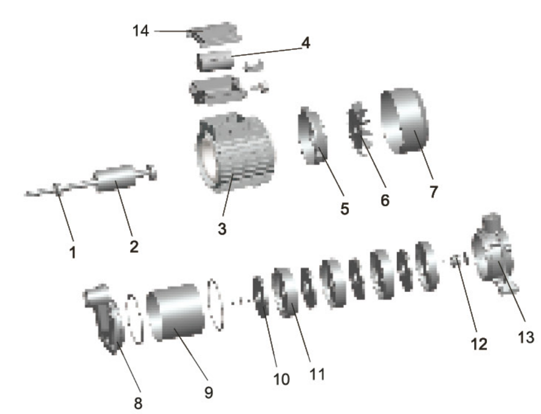
Model	DN1	DN2	L (mm)	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	W (mm)	W1 (mm)	W2 (mm)
4XCm100S	1"	1"	414	196	156	185	75	179	140	176
5XCm100S			438	220	180	185	75	179	140	176

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Bearing	
2	Rotor	
3	Stator	
4	Capacitor	
5	Rear cover	ZL102
6	Fan	PA6
7	Fan cover	08F
8	Pump body	HT200
9	Barrel	AISI 304
10	Impeller	PPO
11	Diffuser	PPO
12	Mechanical seal	Carbon/Ceramic
13	Support	HT200
14	Terminal box	ABS



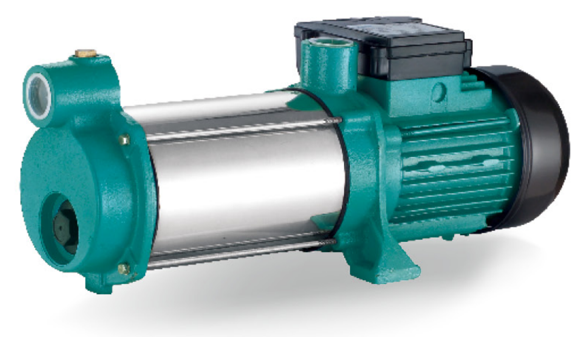
Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
4XCm100S	13.4	430	210	230	1170
5XCm100S	14.7	455	210	230	1170

XCm

XCSm

Self-Priming Stainless Steel Multistage Centrifugal Pump



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for industrial use and urban water supply , domestic water supply , high rise buildings, long distance water transfer and related auxiliary equipment etc.

Pump

- Pump with self-priming design
- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- C&U bearing
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient Temperature: +40℃
- IE 2 motor (Three phase, power ≥ 0.75kW)

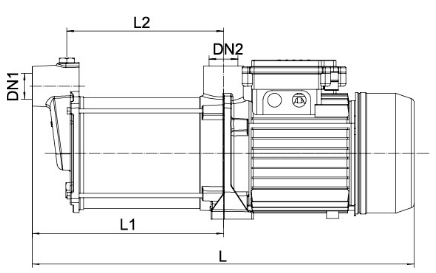
Identification Codes

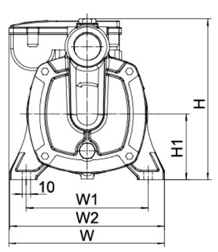
4 XCS m 100 S

- S — Stainless Steel Barrel
- 100 — Impeller Nominal Diameter (mm)
- m — Single Phase Motor (Omitted for three-phase motor)
- XCS — Self-priming Centrifugal Pump
- 4 — Impeller Stage

Technical Data

MODEL	POWER		Q (m³/h)	0	0.6	1.2	2.1	2.4	3.0	3.6	4.2	4.8	5.4
	kW	HP	Q (l/min)	0	10	20	35	40	50	60	70	80	90
4XCSm100S	0.75	1	H (m)	45	43.5	41	38.5	35	30.5	25.5	19.5	12.5	5
5XCSm100S	0.9	1.2		55	52.5	49.5	46.5	42.5	38	32	25	18	10.5

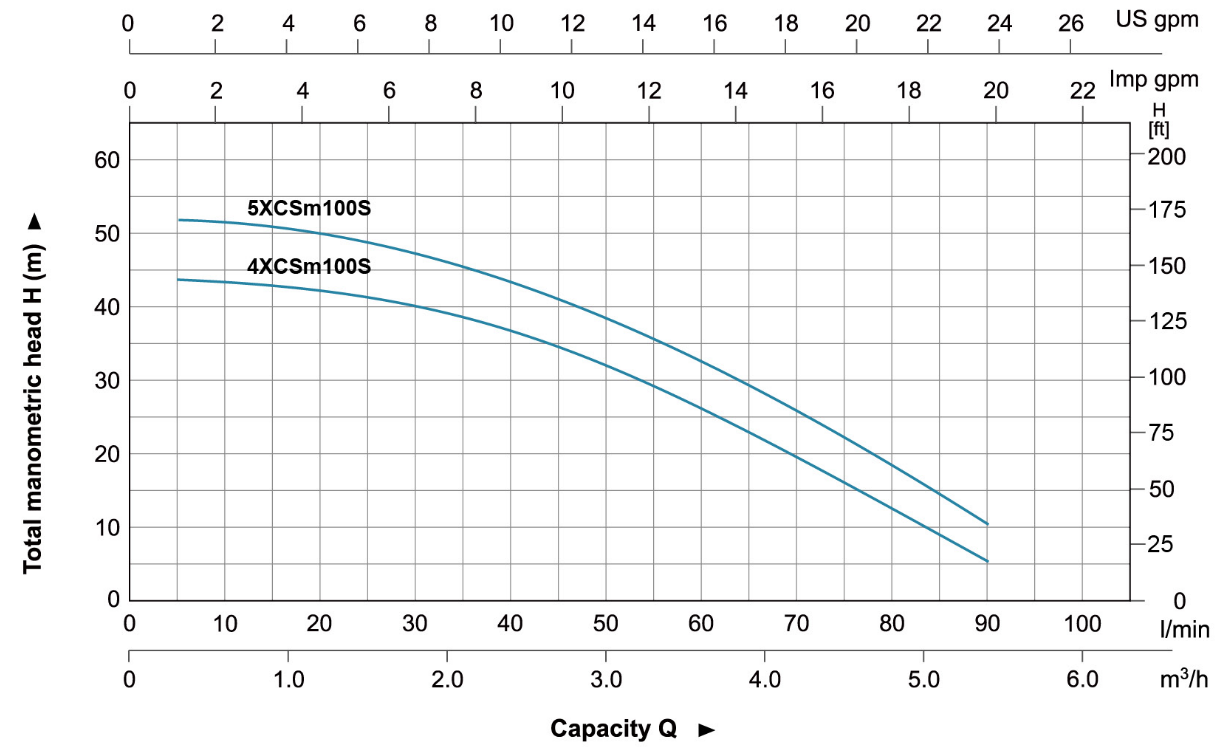




Dimension

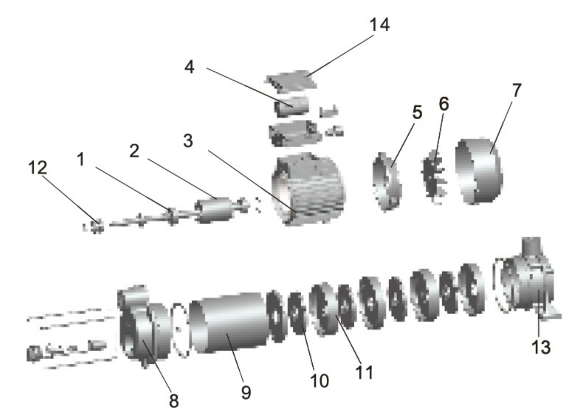
Model	DN1	DN2	L (mm)	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	W (mm)	W1 (mm)	W2 (mm)
4XCSm100S	1"	1"	458	240	200	185	75	187	140	176
5XCSm100S			483	265	225	185	75	187	140	176

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Bearing	
2	Rotor	
3	Stator	
4	Capacitor	
5	Rear cover	ZL102
6	Fan	PA6
7	Fan cover	08F
8	Pump body	HT200
9	Barrel	AISI 304
10	Impeller	PPO
11	Diffuser	PPO
12	Mechanical seal	Carbon/Ceramic
13	Support	HT200
14	Terminal box	ABS

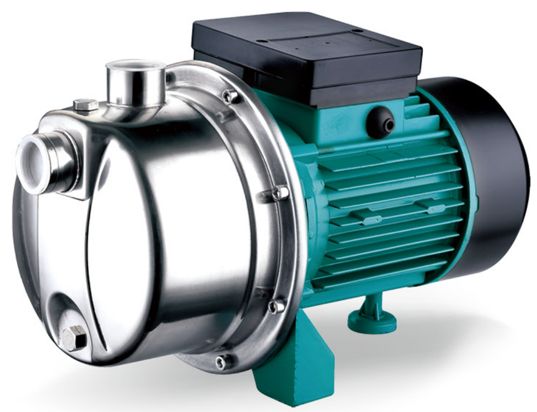


Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
4XCSm100S	14.5	480	215	230	1098
5XCSm100S	15.4	505	215	230	1044

XCSm

XCm
Stainless Steel Multistage Centrifugal Pump



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for industrial use and urban water supply , domestic water supply , high rise buildings, long distance water transfer and related auxiliary equipment etc.

Pump

- Stainless steel pump body
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- C&U bearing
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient Temperature: +40℃

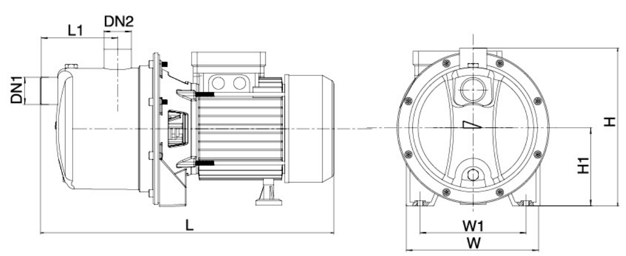
Identification Codes

4 XC m 120 C

- C — Features
- 120 — Impeller Nominal Diameter (mm)
- m — Single Phase Motor (Omitted for three-phase motor)
- XC — Centrifugal Pump
- 4 — Impeller Stage

Technical Data

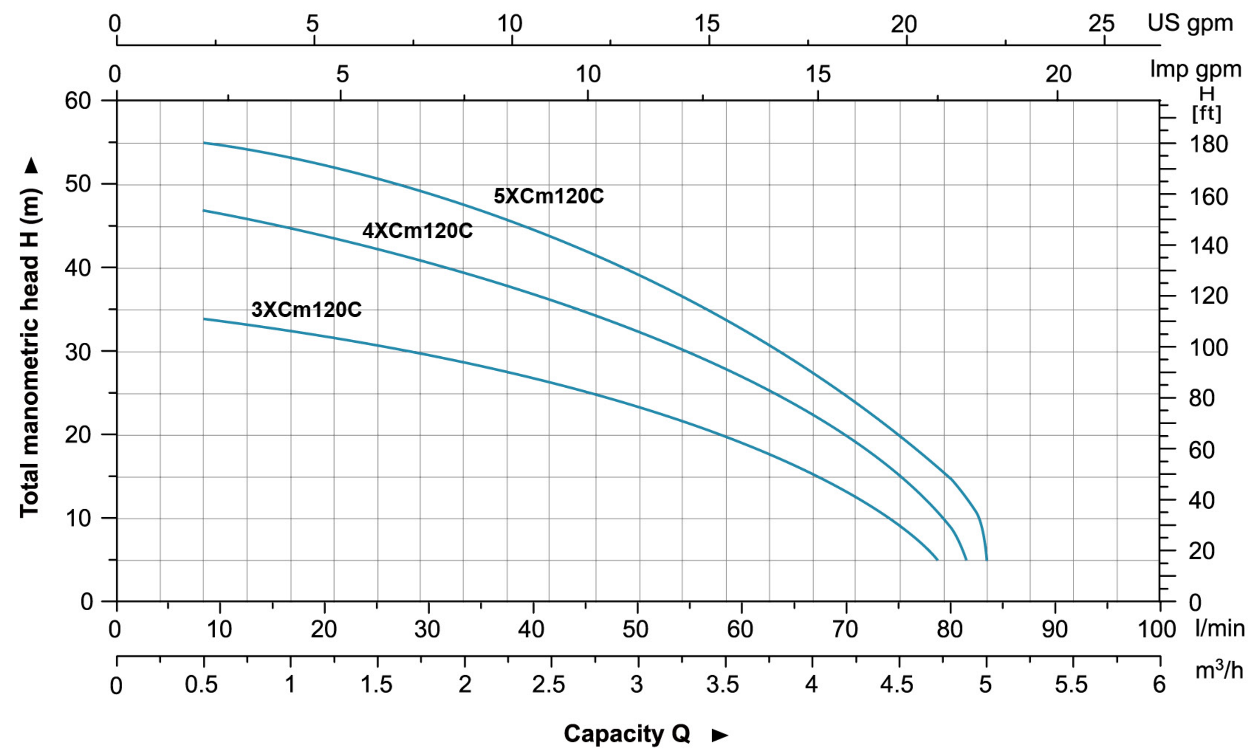
MODEL	POWER kW	POWER HP	Q (m^3/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	4.9	5
			Q (l/min)	0	10	20	30	40	50	60	70	80	82	84
3XCm120C	0.6	0.8	H (m)	34	33	31.5	29	26	22	17.5	11.5	3.5	-	-
4XCm120C	0.75	1	H (m)	48	45.5	42.5	39.5	36	31.5	26	18.8	9	3	-
5XCm120C	0.9	1.2	H (m)	56.5	54.5	52	48.2	44	38.5	32	24	15	12.5	3



Dimension

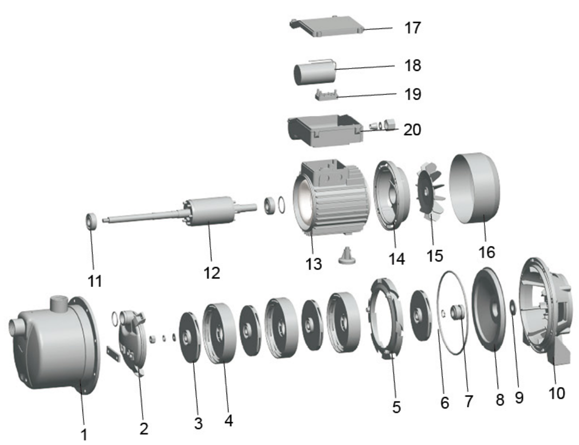
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	W1 (mm)	H1 (mm)
3XCm120C	1"	1"	362	174	208	77	140	103
4XCm120C	1"	1"	386	174	208	104	140	103
5XCm120C	1"	1"	410	174	208	125	140	103

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	AISI 304
2	Pump cover	PPO
3	Impeller	PPO
4	Diffuser	PPO
5	Water guiding board	PPO
6	O-ring	NBR
7	Mechanical seal	Carbon/Ceramic
8	Bracket cover	AISI 304
9	Rubber washer	
10	Support	ZL102
11	Ball bearing	
12	Rotor	
13	Stator	
14	Rear cover	ZL102
15	Fan	PP
16	Fan cover	08F
17	Terminal cover	ABS
18	Capacitor	
19	Terminal	
20	Terminal box	ABS



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
3XCm120C	9.5	405	235	265	1072
4XCm120C	10.5	430	235	265	1008
5XCm120C	11.5	455	235	265	960

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for industrial use and urban water supply, pressure boosting for high buildings and fire fighting, garden irrigation, long-distance water transfer, heating ventilation and air controlling, circulation and pressure boosting for cold and hot water, and supporting equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- Max. liquid temperature: +40℃
- Max. suction: +8 m

Motor

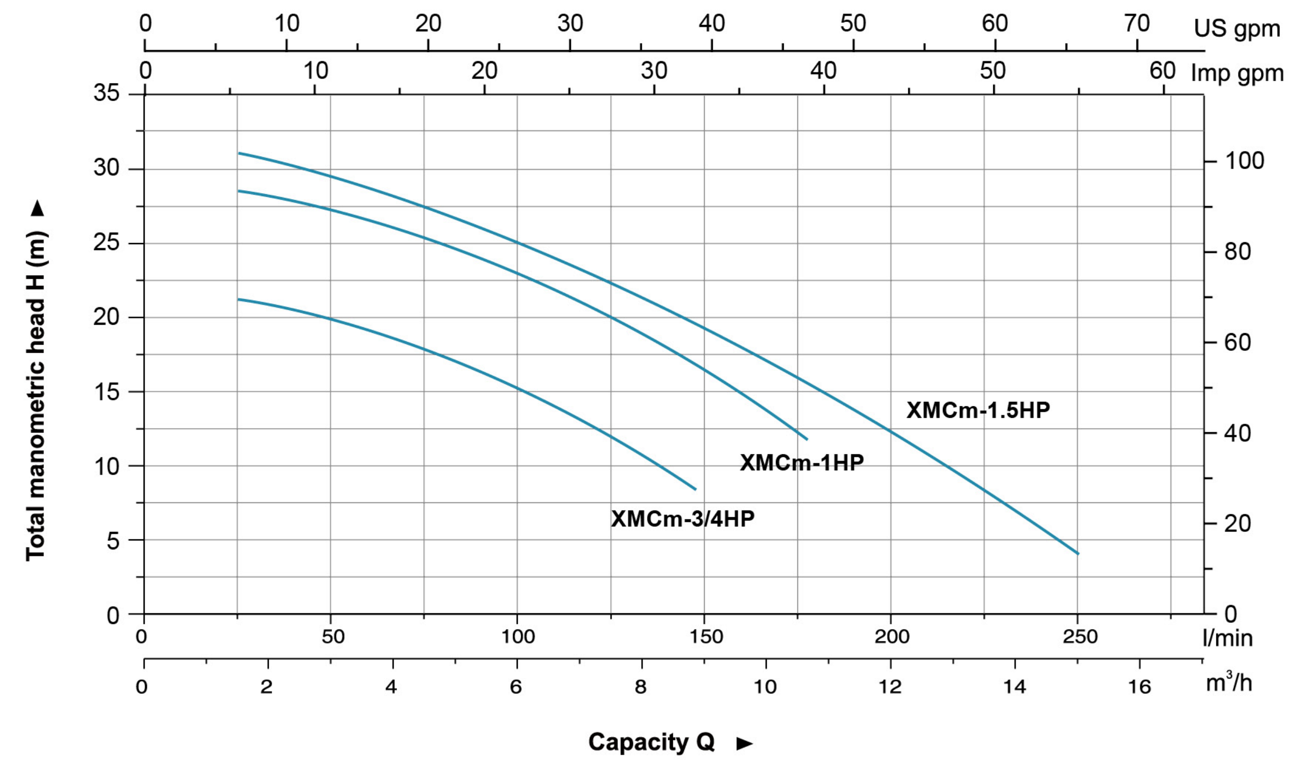
- Built-in thermal protector for single phase motor
- Insulation class: B
- Protection class: IP22
- Max. ambient temperature: +40℃

Identification Codes

XMCm - 3/4HP

- 3/4HP: Power (HP)
- XMCm: Centrifugal Pump

Hydraulic Performance Curves

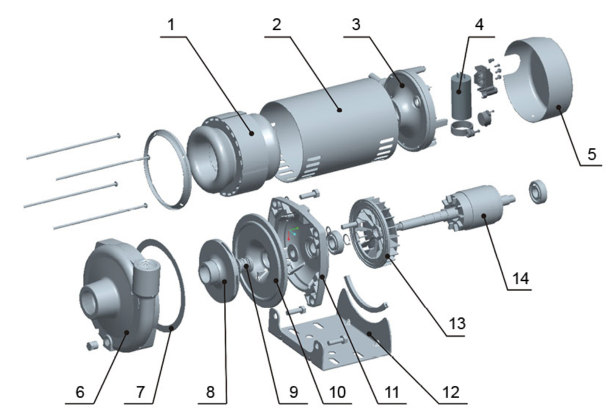


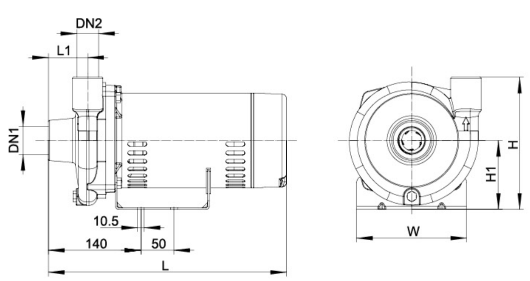
Technical Data

MODEL	POWER (P_2)		Q (m^3/h)	0	2	4	6	8	10	12	14
	kW	HP	Q (l/min)	0	33.3	66.7	100	133.3	166.7	200	233.3
XMCm-3/4HP	0.55	0.75	H (m)	21.65	20.42	18.17	14.85	10.37	4.69	-	-
XMCm-1HP	0.75	1		28.25	26.57	24.09	20.46	15.33	8.36	-	-
XMCm-1.5HP	1.1	1.5		32.53	30.38	27.64	24.30	20.34	15.77	10.56	4.71

Materials Table

No.	Part	Material
1	Stator	
2	Main Frame	Steel
3	End Cover	ZL102
4	Capacitor	
5	Capacitor Box	Steel
6	Pump Body	HT200
7	Sealing Gasket	NBR
8	Impeller	PPO–GF20
9	Mechanical Seal	Carbon/Ceramic
10	Bracket Cover	HT200
11	Support	ZL102
12	Bottom Support	Q235
13	Fan	PA6
14	Motor	





Dimension

Model	Ports		L (mm)	W (mm)	H (mm)	L_1 (mm)	H_1 (mm)
	DN1	DN2					
XMCm-3/4HP	NPT $1^1/_4$"	NPT 1"	359	202.5	199.5	59	103.5
XMCm-1HP			369	202.5	199.5	59	103.5
XMCm-1.5HP	NPT $1^1/_2$"	NPT $1^1/_4$"	398	217.5	231.5	67	103.5

Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XMCm-3/4HP	15.25	420	266	253	1400
XMCm-1HP	16.19	420	266	253	1400
XMCm-1.5HP	18.71	446	290	280	1300

Application

- It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering,fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc.

Pump

- AISI 304 pump body
- AISI 304 shaft
- Max. liquid temperature: +85℃
- Altitude: up to 1000 m (A motor with more power is required in case the altitude is above 1000 m.)

Motor

- C&U bearing
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. temperature: +40℃

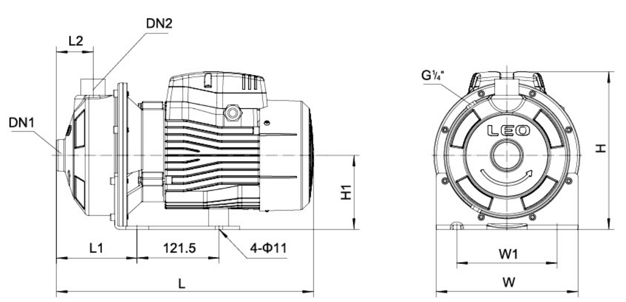
Identification Codes

A MS m 70 / 0.75

- 0.75 — Rated Power (kW)
- 70 — Rated Flow (l/min)
- m — Single Phase Motor (Omitted for three-phase motor)
- MS — Stainless Steel Centrifugal Pump
- A — LEO Product Style

Technical Data

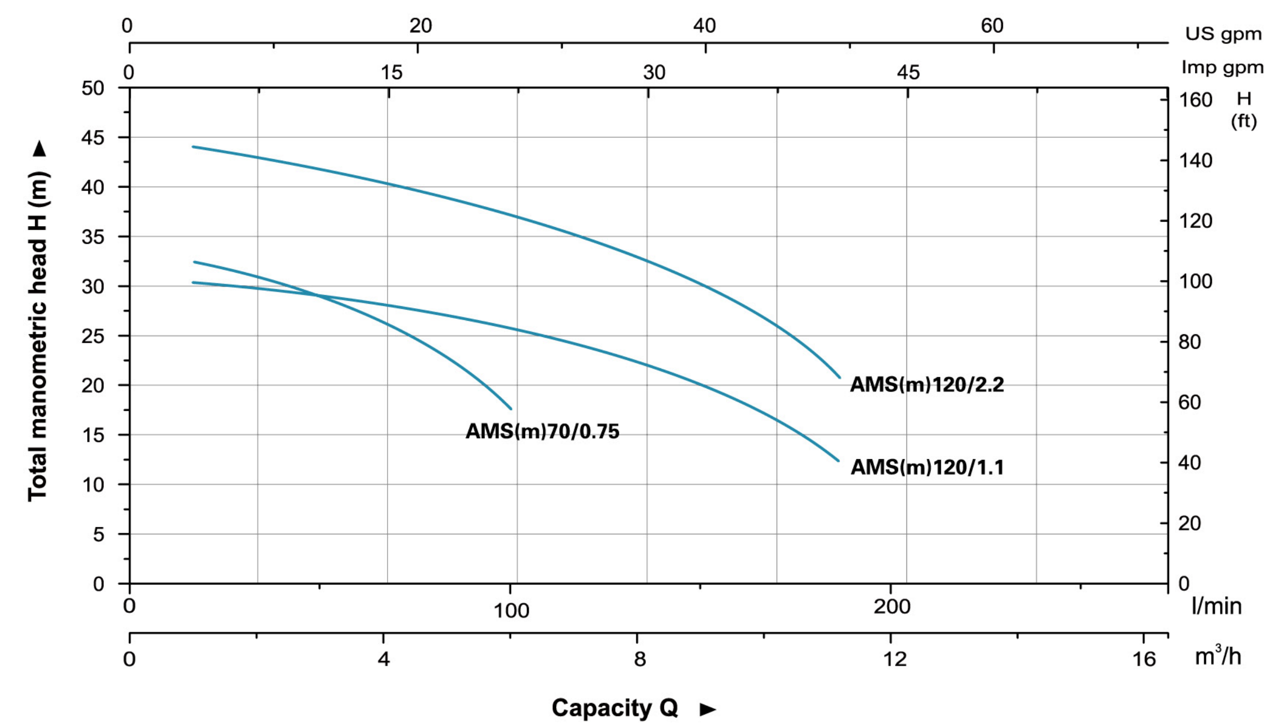
MODEL		POWER		m³/h	0	1.8	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8
Single Phase	Three Phase	kW	HP	l/min	0	30	40	60	80	100	120	140	160	180
AMS(m)70/0.75	AMS70/0.75	0.75	1.0	H (m)	32.3	29.7	28.7	26.2	22.8	16.7	-	-	-	-
AMS(m)120/1.1	AMS120/1.1	1.1	1.5		32.9	-	-	28.6	27.0	25.2	23.0	21.0	17.8	14.6
AMS(m)120/2.2	AMS120/2.2	2.2	3.0		44.9	-	-	41.1	39.2	36.8	33.5	31.6	28.2	20.2



Dimension

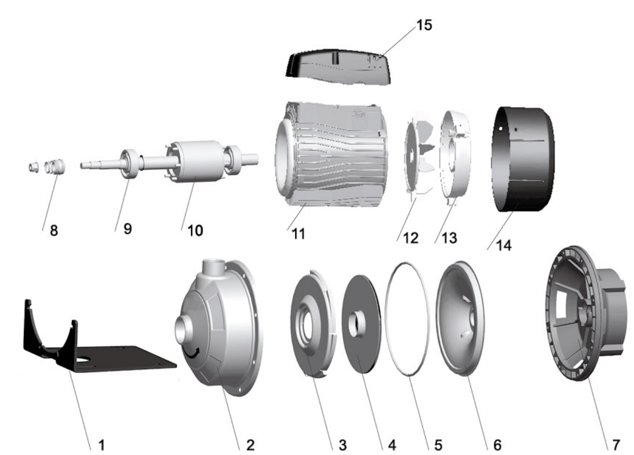
Model	Ports		L (mm)	W (mm)	H (mm)	L_1 (mm)	L_2 (mm)	W_1 (mm)	H_1 (mm)
	DN1	DN2							
AMS(m)70/0.75	$1\frac{1}{4}$"	1"	381	210	234	109	55	149	110
AMS(m)120/1.1	$1\frac{1}{4}$"	1"	381	210	234	119	55	149	110
AMS(m)120/2.2	$1\frac{1}{4}$"	1"	429	210	250	119	55	149	110

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Bottom support	Steel
2	Pump body	AISI 304
3	Diffuser	AISI 304
4	Impeller	AISI 304
5	O-ring	NBR
6	Airproof plate	AISI 304
7	Support	ZL102
8	Mechanical seal	Silicon/Carbon
9	Ball bearing	
10	Rotor	
11	Stator	
12	Fan	PP
13	Rear housing	ZL102
14	Fan cover	PP
15	Terminal box	ABS



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
AMS(m)70/0.75	13.9	410	240	270	1072
AMS(m)120/1.1	15.4	410	240	270	1072
AMS(m)120/2.2	20.8	465	240	270	864

AMS

Stainless Steel Centrifugal Pump

Application

- It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering,fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc.

Pump

- AISI 304 pump body
- AISI 304 shaft
- Max. liquid temperature: +85℃
- Altitude: up to 1000 m (A motor with more power is required in case the altitude is above 1000 m.)

Motor

- C&U bearing
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. temperature: +40℃

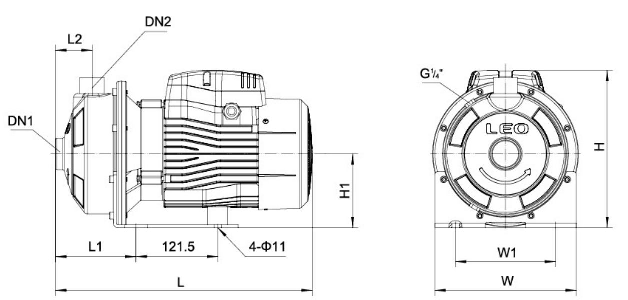
Identification Codes

A MS m 210 / 1.5

- 1.5 — Rated Power (kW)
- 210 — Rated Flow (l/min)
- m — Single Phase Motor (Omitted for three-phase motor)
- MS — Stainless Steel Centrifugal Pump
- A — LEO Product Style

Technical Data

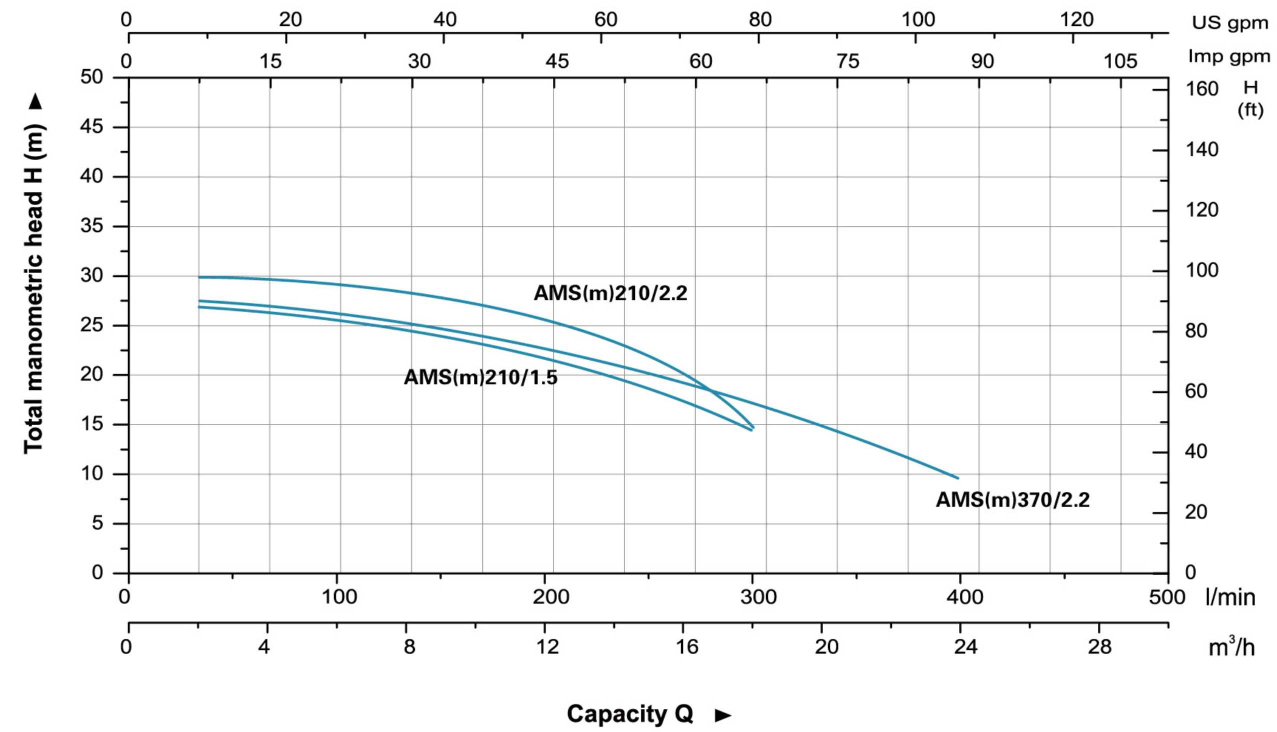
MODEL		POWER		m³/h	0	7.2	8.4	9.6	10.8	12	15	18	21	24
Single Phase	Three Phase	kW	HP	l/min	0	120	140	160	180	200	250	300	350	400
AMS(m)210/1.5	AMS210/1.5	1.5	2.0	H (m)	27.5	24.9	23.9	23.1	22.1	21.0	18.1	14.5	-	-
AMS(m)210/2.2	AMS210/2.2	2.2	3.0		30.1	29	28.7	28	26.7	25.8	22.9	14.7	-	-
AMS(m)370/2.2	AMS370/2.2	2.2	3.0		27.7	-	-	-	23.5	22.8	20.4	17.2	13.7	9.6



Dimension

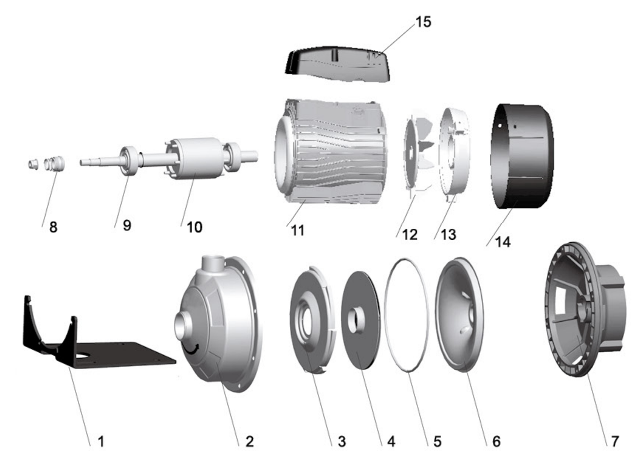
Model	Ports		L (mm)	W (mm)	H (mm)	L_1 (mm)	L_2 (mm)	W_1 (mm)	H_1 (mm)
	DN1	DN2							
AMS(m)210/1.5	1 1/2"	1 1/4"	440	210	250	119	55	149	110
AMS(m)210/1.2	1 1/2"	1 1/4"	440	210	250	119	55	149	110
AMS(m)370/2.2	2"	1 1/4"	440	210	250	119	55	149	110

Hydraulic Performance Curves



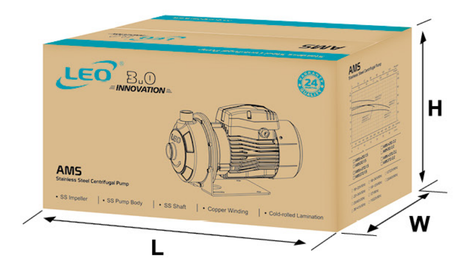
Materials Table

No.	Part	Material
1	Bottom support	Steel
2	Pump body	AISI 304
3	Diffuser	AISI 304
4	Impeller	AISI 304
5	O-ring	NBR
6	Airproof plate	AISI 304
7	Support	ZL102
8	Mechanical seal	Silicon/Carbon
9	Ball bearing	
10	Rotor	
11	Stator	
12	Fan	PP
13	Rear housing	ZL102
14	Fan cover	PP
15	Terminal box	ABS



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
AMS(m)210/1.5	18	465	240	270	864
AMS(m)210/2.2	20	465	240	270	864
AMS(m)370/2.2	20.8	465	240	270	864



AMS

XKP
Pool Pump

Application

- It is used for water circulation in all kinds of small domestic swimming pools. Slightly dirty water with solids in suspension can be perfectly filtered.

Pump

- Engineering plastic pump body
- AISI 304 shaft
- Max. liquid temperature: +35℃
- Max. suction: 3.5 m

Motor

- Motor with copper or aluminum winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX5

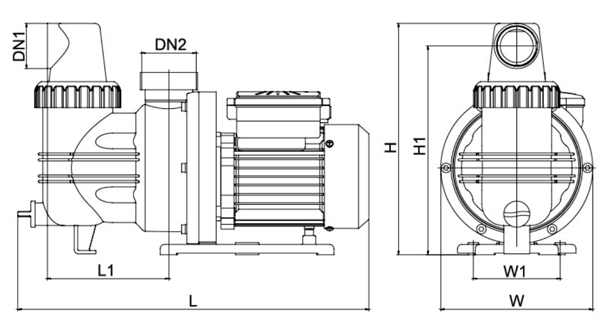
Identification Codes

XKP 450 A - 2

- Product Style
- 60Hz Product
- Power (W)
- Pool Pump

Technical Data

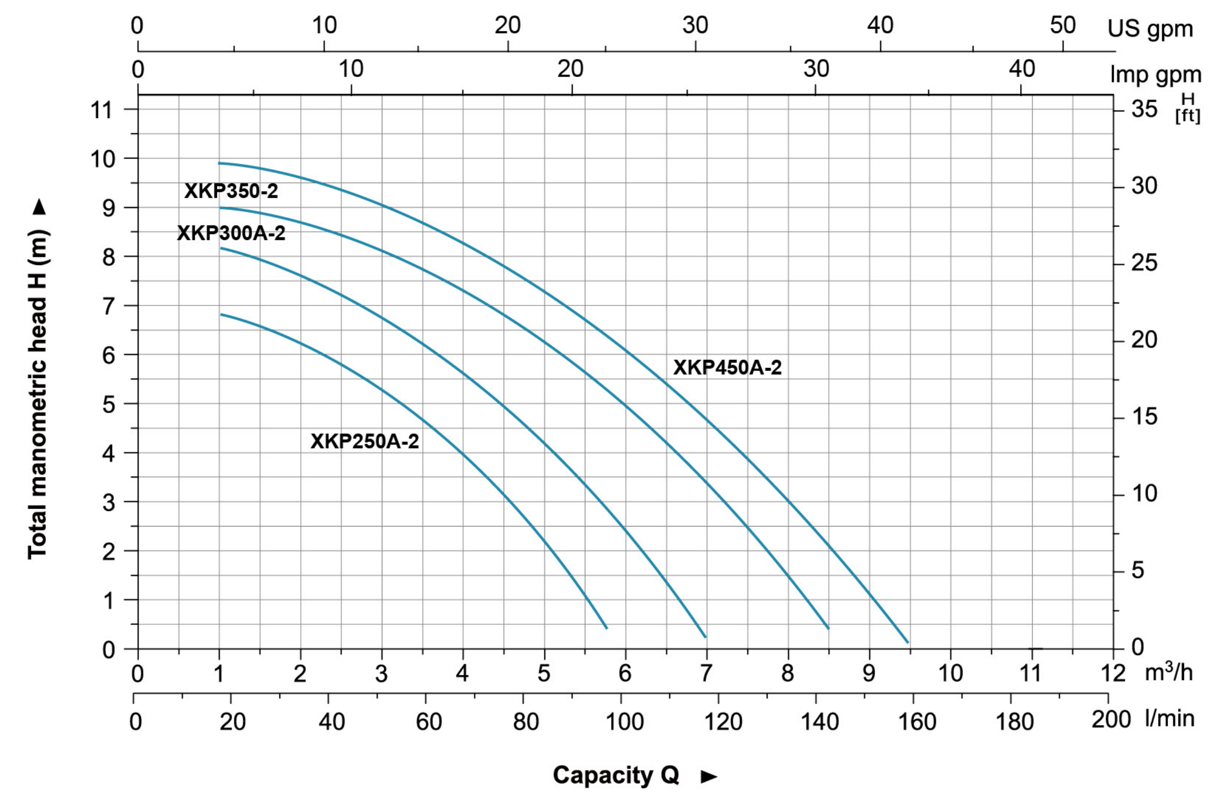
MODEL	POWER (P_1)	Q (m^3/h)	1	2	3	4	5	6	7	8	9	10
	W	Q (l/min)	17	33	50	66	83	100	116	132	150	165
XKP250A-2	250	H (m)	6.7	6.2	5.3	4.0	2.1	-	-	-	-	-
XKP300A-2	300		8.2	7.7	6.8	5.6	4.1	2.3	0.3	-	-	-
XKP350A-2	350		9	8.7	8.2	7.3	6.2	4.9	3.3	1.4	-	-
XKP450A-2	450		9.9	9.7	9.2	8.3	7.3	6.2	4.7	3	1.1	-



Dimension

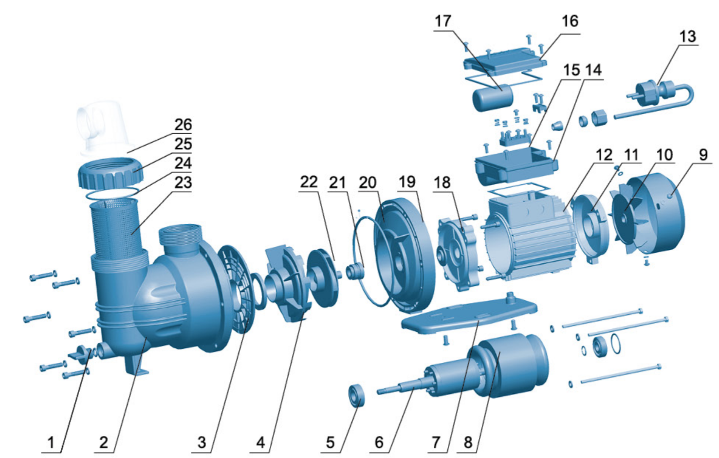
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	W1 (mm)	H1 (mm)
XKP250A-2	40	40	416	175	265	140	100	239
XKP300A-2			416	175	265	140	100	239
XKP350A-2			416	175	265	140	100	239
XKP450A-2			416	175	265	140	100	239

Hydraulic Performance Curves



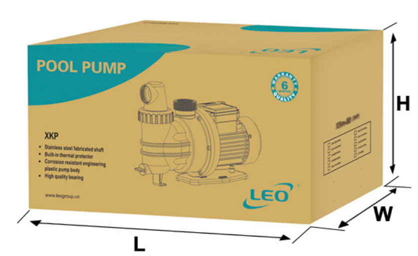
Materials Table

No.	Part	Material	No.	Part	Material
1	Filling plug	PP	14	Terminal box	ABS
2	Pump body	PP	15	Terminal board	PC
3	Water proof cover	PPO	16	Terminal box cover	ABS
4	Diffuser	PPO	17	Capacitor	
5	Ball bearing		18	Front plate	ZL102
6	Rotor		19	Support	PP
7	Base	PA	20	O-ring	NBR
8	Stator		21	Mechanical seal	Carbon/Ceramic
9	Fan cover	08F	22	Impeller	PPO
10	Fan	PP	23	Sieve	PP
11	Rear cover	ZL102	24	O-ring	NBR
12	Motor housing	ZL102	25	Nut	ABS
13	Cable		26	Connector	PC



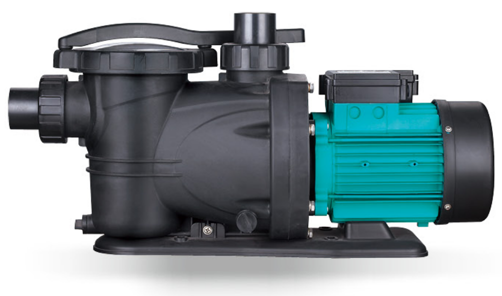
Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XKP250A-2	5.6	450	203	238	1341
XKP300A-2	6.0	450	203	238	1341
XKP350A-2	6.2	450	203	238	1341
XKP450A-2	6.4	450	203	238	1341



XKP

XKP
Pool Pump



Application
- It is used for water circulation in small and medium-sized swimming pools. Slightly dirty water with solids in suspension can be perfectly filtered.

Pump
- Engineering plastic pump body
- AISI 304 shaft
- Max. liquid temperature: +35℃
- Max. suction: 3.5 m

Motor
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX5

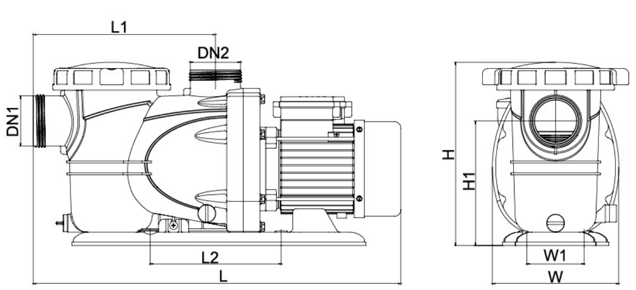
Identification Codes
XKP 16 04 A

- A — 60Hz Product
- 04 — Product Style
- 16 — Power (X 100 W)
- XKP — Pool Pump

Technical Data

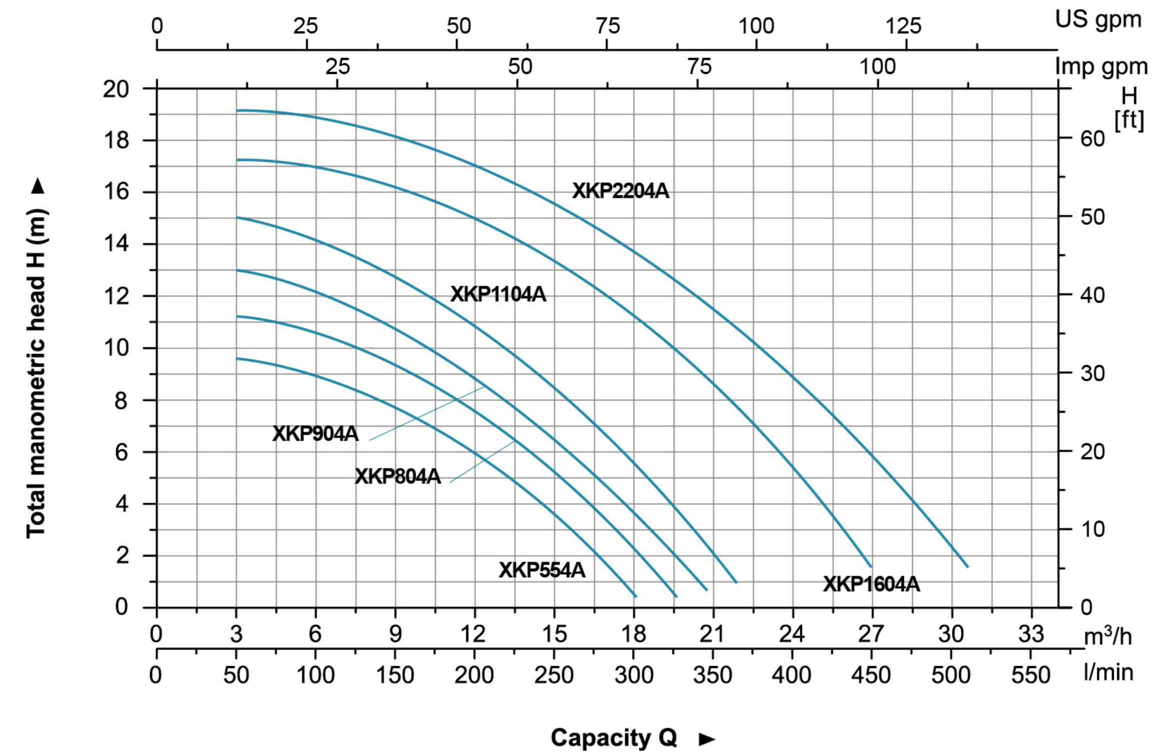
MODEL	POWER (P₁) W	Q (m³/h) / Q (l/min)	3 / 50	6 / 100	9 / 150	12 / 200	15 / 250	18 / 300	21 / 350	24 / 400	27 / 450	30 / 500
XKP554A	600	H (m)	9.9	9.4	8.8	6.3	3.5	0.7	-	-	-	-
XKP804A	800		11.9	11.2	10.1	8.2	5.4	2.3	-	-	-	-
XKP904A	900		13.8	12.5	11.2	9.8	7	3.8	-	-	-	-
XKP1104A	1100		15.6	14.5	13.2	12.1	9.1	5.8	2.1	-	-	-
XKP1604A	1600		17.9	17.7	17.1	16.3	14.2	12	9	5.8	1.2	-
XKP2204A	2200		19.9	19.6	19.1	18.3	16.8	14.8	12	9.2	6	2.2

Dimension



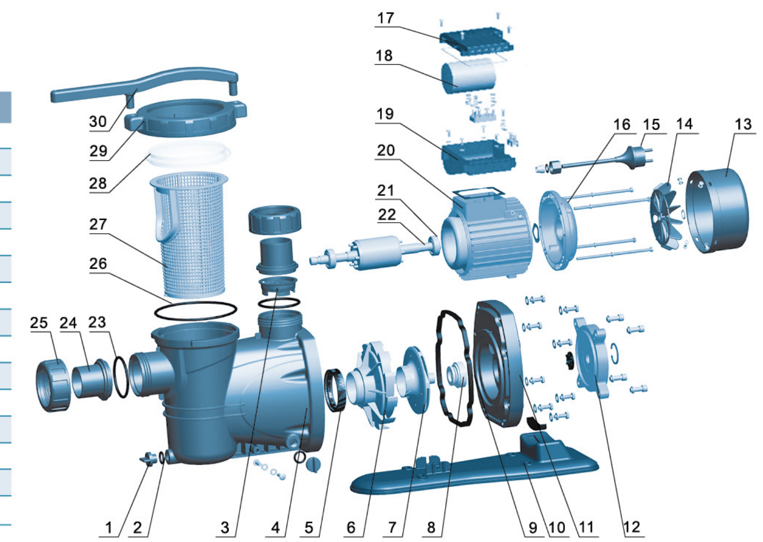
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	L2 (mm)	H1 (mm)
XKP554A	50	50	553	190	278	274	197	187
XKP804A			553	190	278	274	197	187
XKP904A			553	190	278	274	197	187
XKP1104A			553	190	278	274	197	187
XKP1604A			583	190	278	274	197	187
XKP2204A			583	190	278	274	197	187

Hydraulic Performance Curves



Materials Table

No.	Part	Material	No.	Part	Material
1	Drain plug	PP	16	Rear cover	ZL102
2	O-ring	NBR	17	Capacitor cover	ABS
3	Valve body	PP	18	Capacitor	
4	Pump body	PP	19	Terminal box	ABS
5	O-ring	NBR	20	Stator	
6	Diffuser	PP	21	Bearing	
7	Impeller	PPO	22	Rotor	
8	Mechanical seal	Carbon/Ceramic	23	O-ring	NBR
9	O-ring	NBR	24	Connector	PVC
10	Bottom board	PP	25	Nut	ABS
11	Plastic support	PP	26	O-ring	EPDM
12	Pump support	ZL102	27	Sieve	PP
13	Fan cover	PP	28	Pump cover	PC
14	Fan	PP	29	Pump cover nut	PA6
15	Cable		30	Wrench	PP



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XKP554A	10	585	220	290	816
XKP804A	11	585	220	290	816
XKP904A	11.6	585	220	290	816
XKP1104A	12.2	585	220	290	816
XKP1604A	15.7	615	230	290	744
XKP2204A	17.6	615	230	290	744

XKP
Pool Pump

Application

- It is used to water circulation in swimming pool, slightly dirty water with solids in suspension can be perfectly filtered.

Pump

- Engineering plastic body
- Equipped with check valves to prevent backflow
- Max. liquid temperature: +50 ℃
- Max. working pressure: 0.3 MPa

Motor

- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX5

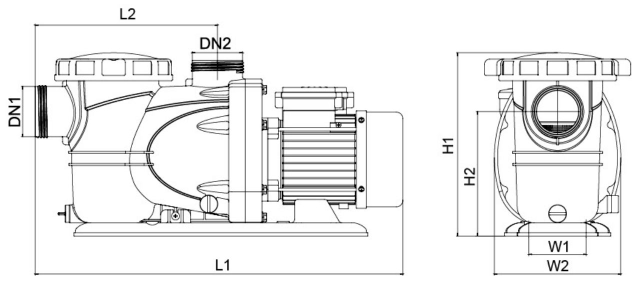
Identification Codes

XKP 8 04 AD

- AD — A: 60Hz; D: Double speeds
- 04 — Product Style
- 8 — Power (X 100 W)
- XKP — Pool Pump

Technical Data

MODEL	Motor Pole	Power(P1)		Current (A)	Max.Flow (l/min)	Max.Head (m)	Max.Suct (m)	Fitting Size (mm)
		kW	HP					
XKP804AD	2-pole	0.8	1.1	8.5	300	12	3	48.5 or 50
	4-pole	0.25	0.35	3.5	135	3	3	48.5 or 50
XKP904AD	2-pole	0.9	1.2	10.5	325	14	3	48.5 or 50
	4-pole	0.25	0.35	3.5	140	3.5	3	48.5 or 50

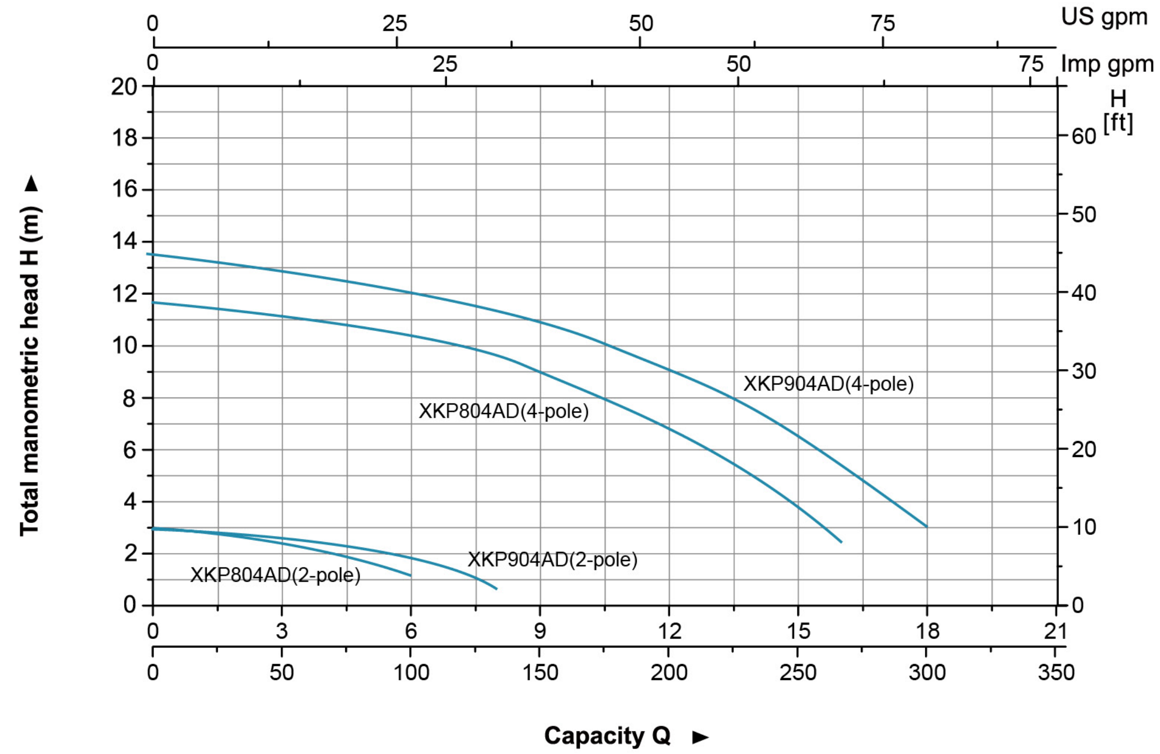


Dimension

Model	DN1	DN2	L1 (mm)	W1 (mm)	H1 (mm)	L2 (mm)	W2 (mm)	H2 (mm)
XKP804AD	50	50	588	190	276	274	220	187
XKP904AD			588	190	276	274	220	187

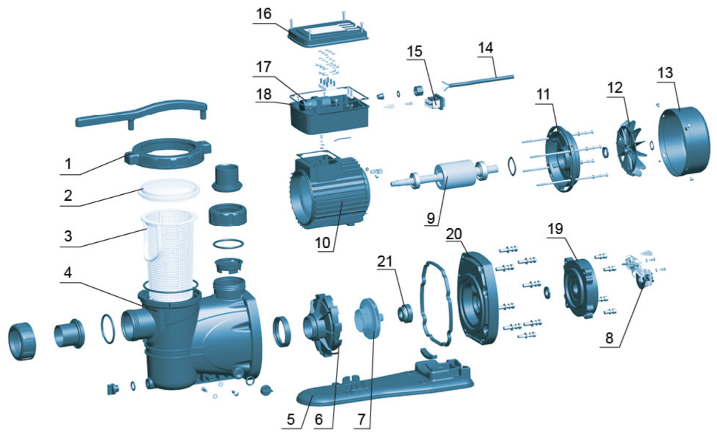
LEPONO® LEO®

Hydraulic Performance Curves



Materials Table

No.	Part	Material	No.	Part	Material
1	Pump cover nut	PA-GF20	12	Fan	
2	Pump cover		13	Fan cover	PP
3	Filter		14	Cable	
4	Pump body	PP-GF30	15	Switch	
5	Base		16	Capacitor cover	PC/ABS
6	Diffuser	PP-GF30	17	Capacitor	
7	Impeller	PPO-GF30	18	Capacitor box	PC/ABS
8	Centrifugal Switch		19	Front plate	ZL102
9	Rotor		20	Plastic bracket	
10	Stator		21	Mechanical seal	
11	End plate	ZL102			



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XKP804AD	14.5	625	230	290	1512
XKP904AD	14.55	625	230	290	1512

Application

- Whirlpools
- Hydraulic massage pools
- Water circulation

Pump

- Plastic pump body
- Ambient temperature: ≤ 40°C
- Max. working pressure: 0.3 MPa
- Liquid temperature range: 5 - 50 °C

Motor

- Built-in thermal protect
- Insulation class: F
- Protection class: IPX5
- Equipped with air switch
- Voltage range: 110-120V/60Hz
  220-240V/60Hz

Identification Codes

LSPA 50 0

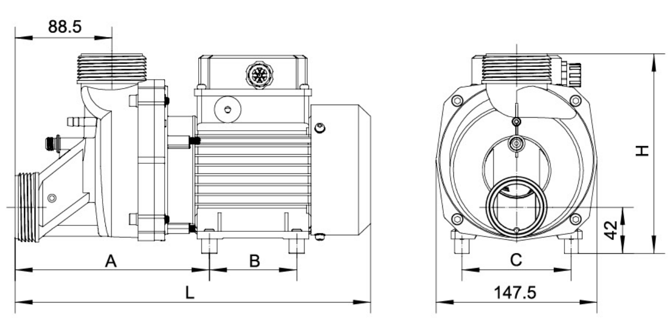
- 0 — Product Type
- 50 — Power (X 10 W)
- LSPA — LEO Spa Pump

Technical Data

MODEL	Power (P1)		In / Outlet (mm)	Max.Flow (l/min)	Max.Head (m)
	kW	HP			
LSPA500	0.5	0.7	32/32, 50/50	300	8
LSPA600	0.6	0.8	32/32, 50/50	320	9
LSPA800	0.8	1.1	32/32, 50/50	330	10
LSPA900	0.9	1.2	32/32, 50/50	350	11
LSPA1100	1.1	1.5	32/32, 50/50	400	11
LSPA1300	1.3	1.7	32/32, 50/50	430	12

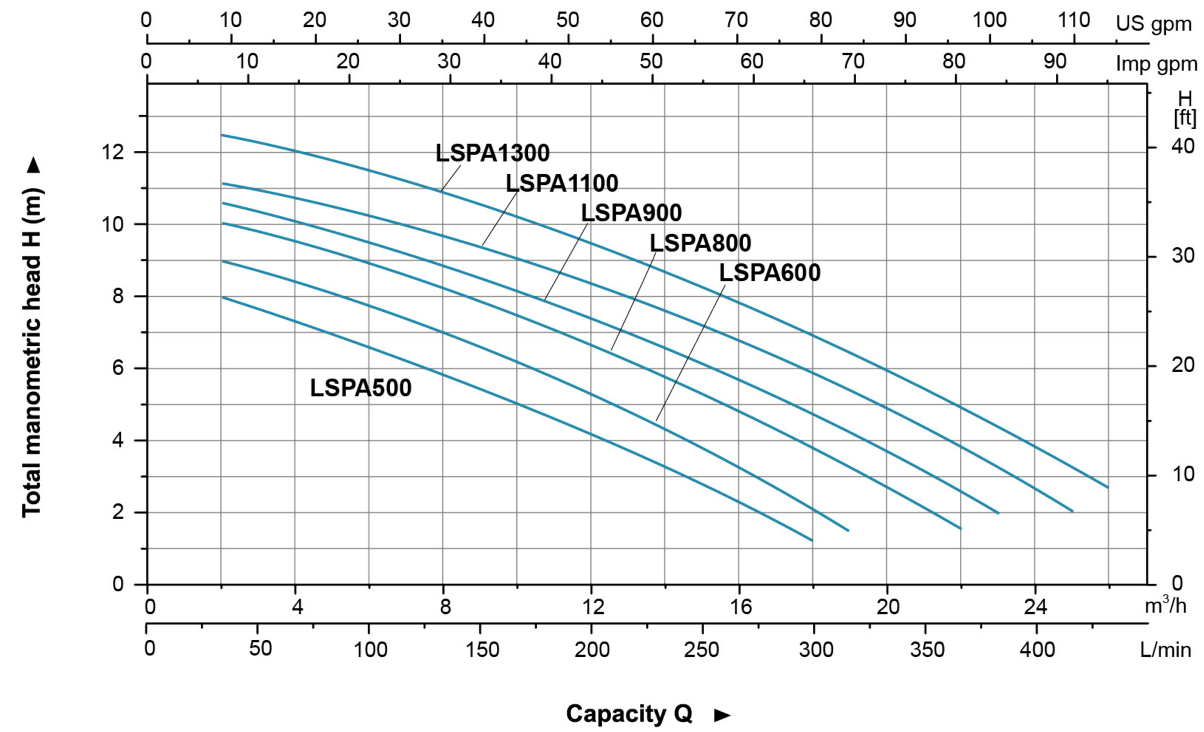
Standard outlet diameter: 50mm. Optional outlet diameter: 32mm

Dimension



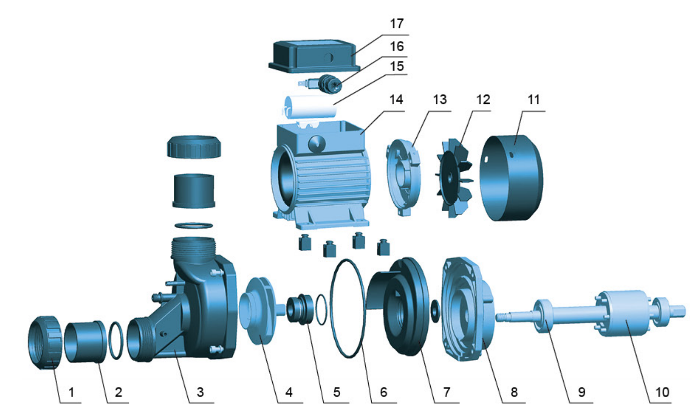
MODEL	A (mm)	B (mm)	C (mm)	L (mm)	H (mm)
LSPA500	178	80	100	326	182
LSPA600	178	80	100	326	182
LSPA800	178	80	100	326	182
LSPA900	175	92	115	344	186
LSPA1100	175	92	115	344	186
LSPA1300	175	92	115	344	186

Hydraulic Performance Curves



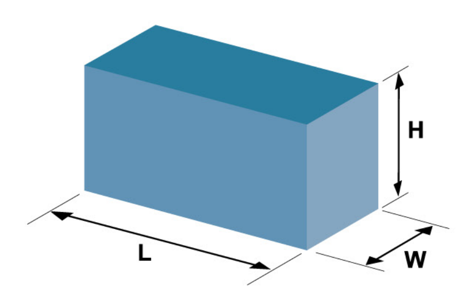
Materials Table

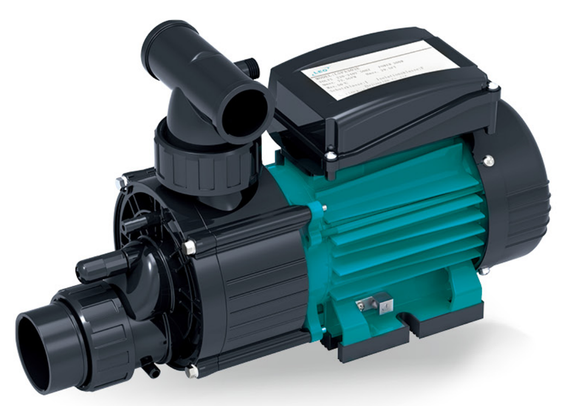
No.	Part	Material	No.	Part	Material
1	Nut	ABS	14	Stator	
2	Connector	ABS	15	Capacitor	
3	Pump body	ABS	16	Micro switch	
4	Impeller	PPO	17	Terminal cover	ABS
5	Mechanical seal				
6	O-ring	NBR			
7	Support cover	ABS			
8	Support	ZL102			
9	Bearing				
10	Rotor				
11	Fan cover	08F			
12	Fan	PP			
13	Rear cover	ZL102			



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
LSPA500	5.9	343	162	187	2760
LSPA600	6.2	343	162	187	2760
LSPA800	6.8	343	162	187	2760
LSPA900	8.5	364	162	192	2592
LSPA1100	9.2	364	162	192	2592
LSPA1300	9.9	364	162	192	2592





Application

- Whirlpools
- Hydraulic massage pools
- Water circulation

Pump

- Plastic pump body
- Ambient temperature: ≤ 40°C
- Max. working pressure: 0.3 MPa
- Liquid temperature range: 5 - 50 °C

Motor

- Built-in thermal protect
- Insulation class: F
- Protection class: IPX5
- Equipped with air switch
- Voltage range: 110-120V/60Hz
  220-240V/60Hz

Identification Codes

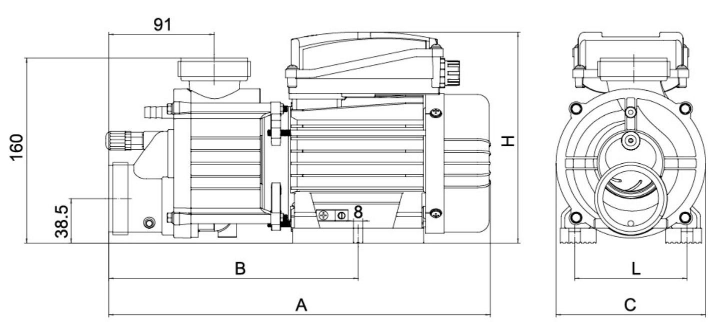
LSPA 30 3E

- 3E — Product Type
- 30 — Power (X 10 W)
- LSPA — LEO Spa Pump

Technical Data

MODEL	Power (P1)		In / Outlet (mm)	Max.Flow (l/min)	Max.Head (m)
	kW	HP			
LSPA303E	0.3	0.4	32/32, 50/50	195	7.5
LSPA353E	0.37	0.5	32/32, 50/50	220	7.5
LSPA453E	0.5	0.65	32/32, 50/50	275	8.5
LSPA603E	0.6	0.8	32/32, 50/50	310	8.5
LSPA753E	0.75	1.0	32/32, 50/50	350	9

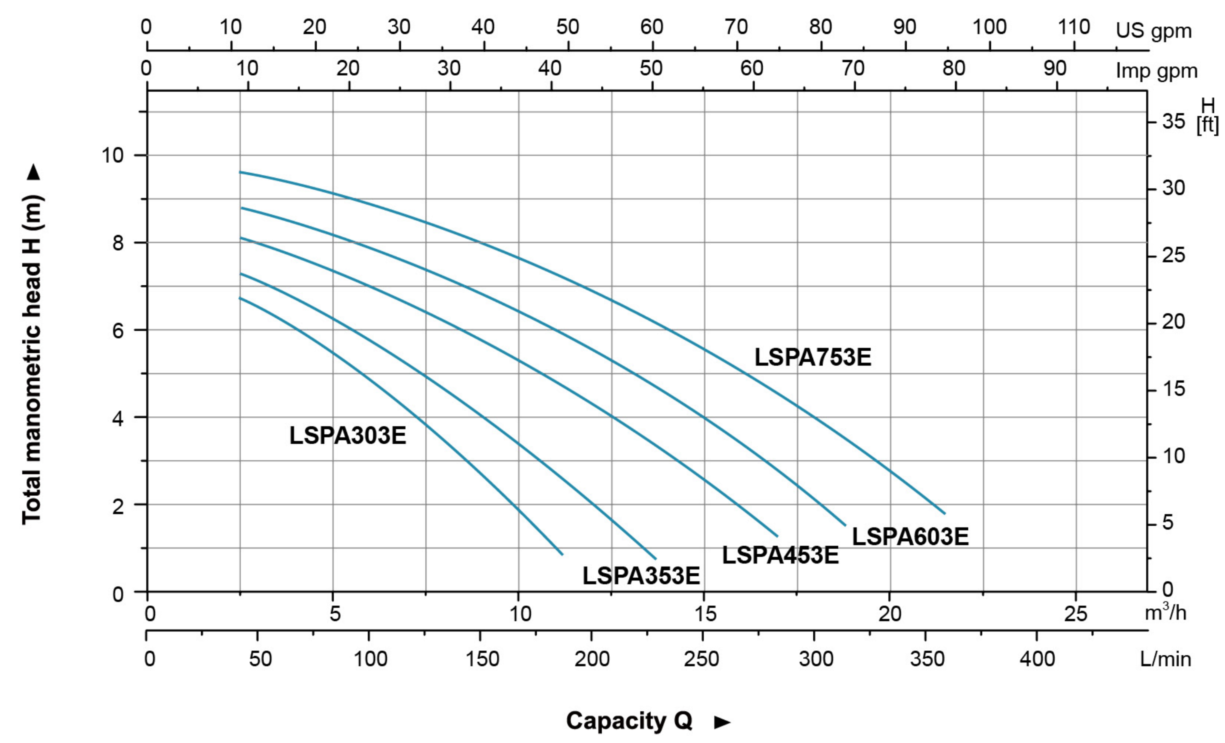
Standard outlet diameter: 50mm. Optional outlet diameter: 32mm



Dimension

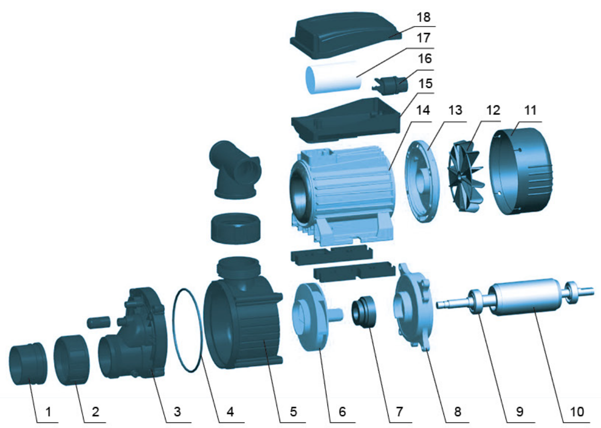
MODEL	A (mm)	B (mm)	C (mm)	L (mm)	H (mm)
LSPA303E	328	214	129	97	186
LSPA353E	328	214	129	97	186
LSPA453E	328	214	129	97	186
LSPA603E	328	214	129	97	186
LSPA753E	328	214	129	97	186

Hydraulic Performance Curves



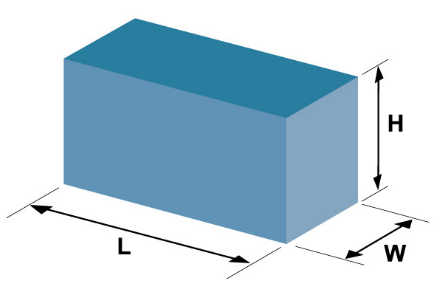
Materials Table

No.	Part	Material	No.	Part	Material
1	Connector	PVC	14	Stator	
2	Nut	ABS	15	Terminal box	PP
3	Pump cover	ABS	16	Micro switch	
4	O-ring	NBR	17	Capacitor	
5	Pump body	ABS	18	Terminal cover	PP
6	Impeller	PPO			
7	Mechanical seal				
8	Front end cover	ZL102			
9	Bearing				
10	Rotor				
11	Fan cover	PP			
12	Fan	PP			
13	Rear cover	ZL102			



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
LSPA303E	4.7	365	158	211	2160
LSPA353E	4.9	365	158	211	2160
LSPA453E	5.2	365	158	211	2160
LSPA603E	5.7	365	158	211	2160
LSPA753E	6.4	365	158	211	2160



LSPA

Application

- Whirlpools
- Hydraulic massage pools
- Water circulation

Pump

- Plastic pump body
- Ambient temperature: ≤ 40°C
- Max. working pressure: 0.3 MPa
- Liquid temperature range: 5 - 50 °C

Motor

- Built-in thermal protect
- Insulation class: F
- Protection class: IPX5
- Equipped with air switch
- Voltage range: 110-120V/60Hz

Identification Codes

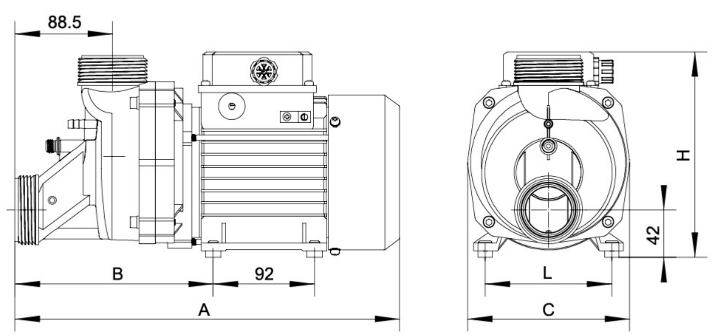
LSPA 60 0 A - 1

- 1 — Feature
- A — Low Voltage
- 0 — Product Type
- 60 — Power (X 10 W)
- LSPA — LEO Spa Pump

Technical Data

MODEL	Power (P1)		In / Outlet (mm)	Max.Flow (l/min)	Max.Head (m)
	kW	HP			
LSPA600A-1	0.6	0.8	32/32, 50/50	260	10
LSPA800A-1	0.8	1.1	32/32, 50/50	265	11
LSPA900A	0.9	1.2	32/32, 50/50	285	11
LSPA1100A	1.1	1.5	32/32, 50/50	300	12
LSPA1300A-1	1.3	1.7	32/32, 50/50	335	14

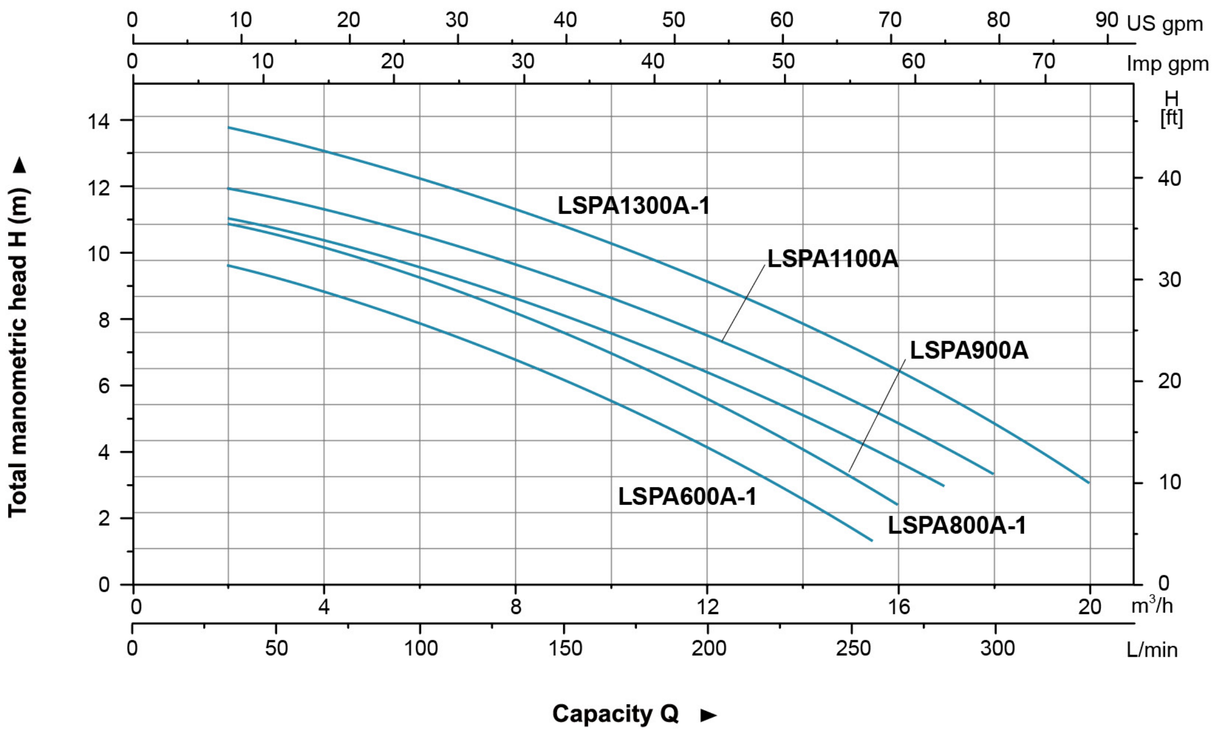
Standard outlet diameter: 50mm. Optional outlet diameter: 32mm



Dimension

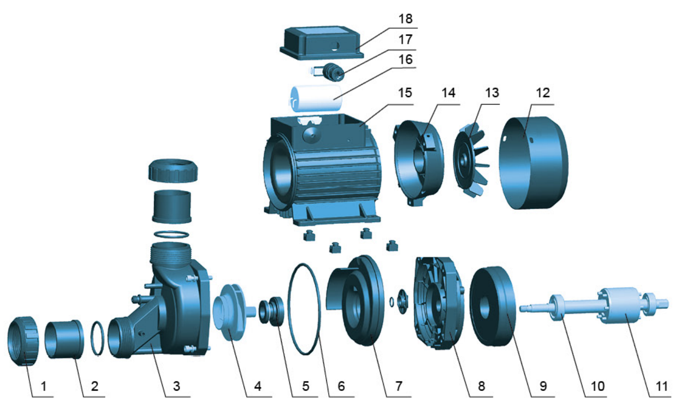
MODEL	A (mm)	B (mm)	C (mm)	L (mm)	H (mm)
LSPA600A-1	349	180	147.5	115	186
LSPA800A-1	349	180	147.5	115	186
LSPA900A	349	180	147.5	115	186
LSPA1100A	349	180	147.5	115	186
LSPA1300A-1	349	180	147.5	115	186

Hydraulic Performance Curves



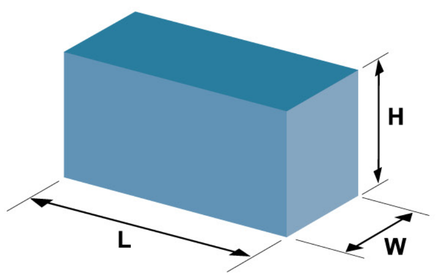
Materials Table

No.	Part	Material	No.	Part	Material
1	Nut	ABS	14	Rear cover	ZL102
2	Connector	ABS	15	Stator	
3	Pump body	ABS	16	Capacitor	
4	Impeller	PPO	17	Micro switch	
5	Mechanical seal		18	Terminal box	ABS
6	O-ring	NBR			
7	Support cover	ABS			
8	Support	PPO			
9	Front plate	ZL102			
10	Bearing				
11	Rotor				
12	Fan cover	08F			
13	Fan	PP			



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
LSPA600A-1	6.0	364	162	192	2592
LSPA800A-1	7.0	364	162	192	2592
LSPA900A	8.0	364	162	192	2592
LSPA1100A	10	364	162	192	2592
LSPA1300A-1	11	364	162	192	2592



Connectors on request

G1"

G1½"

Application

- It is widely used for heating ventilating and air conditioning (HVAC) circulation, pressure boosting of hot water in family, homes powered by solar energy, industrial auxiliary equipment cold and hot water circulation and so forth
- Water circulation for the central and district heating system
- Domestic hot water circulation

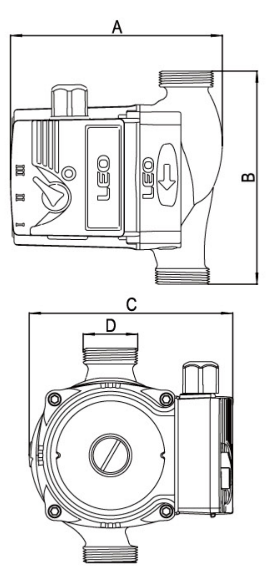
Pump

- Bronze or anti-rust cast iron pump body
- Noryl impeller with heat resistance up to 150℃
- 99% alumina ceramic shaft
- Liquid temperature: 2℃ - 110℃

Motor

- Insulation class: H
- Protection class: IP44
- 99% alumina ceramic bearing
- Three speed motor

Dimension Drawing



Identification Codes

LRP 15 - 60 K / 130

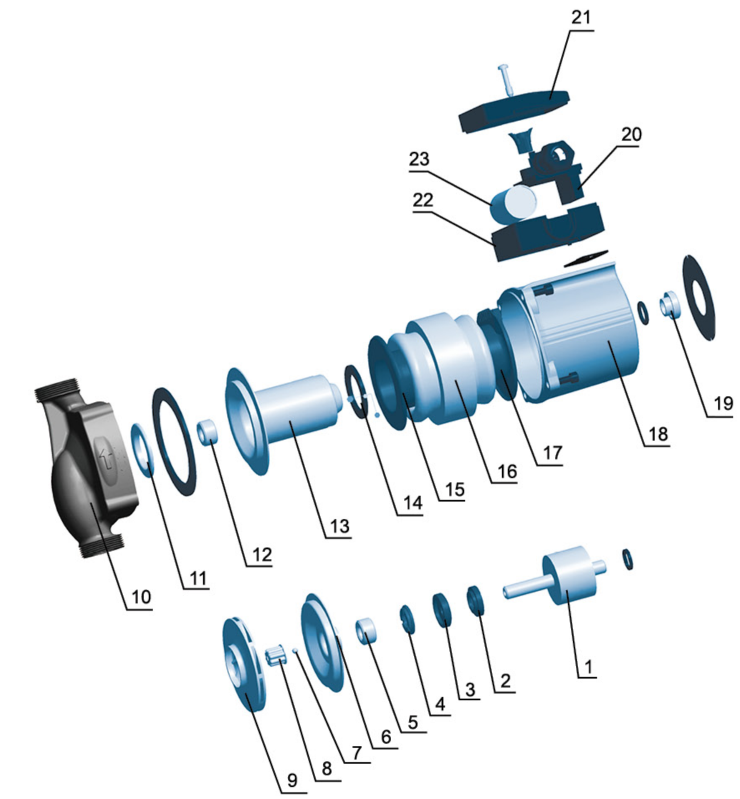
- 130: Distance between Inlet and Outlet (mm)
- K: 60 Hz
- 60: Max. Head (dm)
- 15: Inlet/Outlet Diameter (mm)
- LRP: LEO Circulation Pump

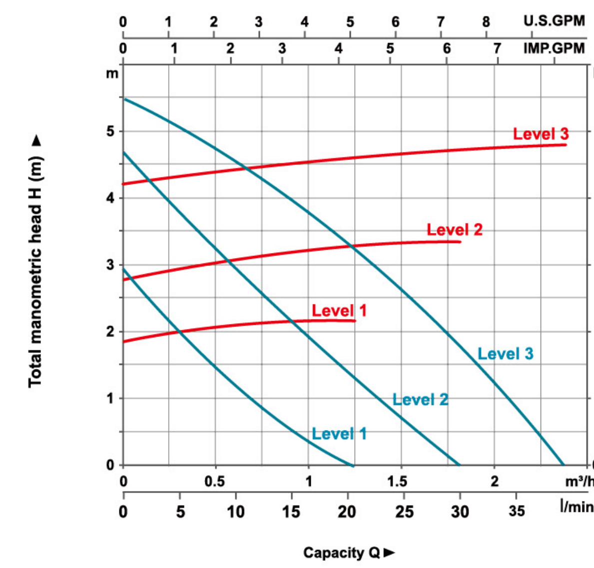
MODEL	A (mm)	B (mm)	C (mm)	D
LRP15-60K/130	130	130	125	G1
LRP25-60K/130	130	130	125	G1.5

MODEL	Voltage/Frequency		Input Power (W)			Max.Flow (l/min)	Max.Head (m)	Inlet/Outlet (mm)	Pipe Size (inch)	N.W. (kgs)	G.W. (kgs)	Packing Size (mm)
			3	2	1							
LRP15-60K/130	1~220V/60Hz	1~110V/60Hz	96	69	45	40/32/23	5.5/4.5/2.8	Φ15	1	2.32	2.45	154x143x153
LRP25-60K/130	1~220V/60Hz	1~110V/60Hz	96	69	45	58/43/28	5.5/4.5/2.8	Φ25	1.5	2.44	2.57	154x143x153

Materials Table

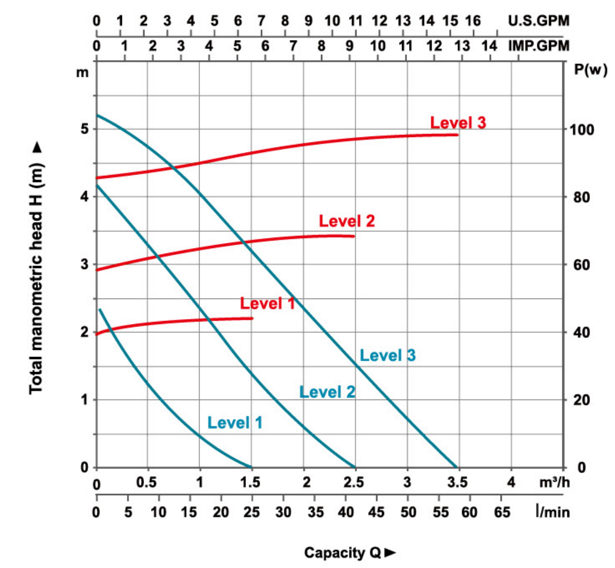
No.	Part	Material
1	Rotor	
2	Thrust bearing adjusting mat	Noryl
3	Thrust ring suppot	Silicon rubber
4	Bushings	Graphite
5	Front bearing	Alumina
6	Pump support cover	Stainless steel
7	Check ball	Silicon rubber
8	Locking	Stainless steel
9	Impeller	PPO
10	Pump body	Cast iron/Bronze
11	Pump body insert	Stainless steel
12	Back bearing	Alumina
13	Can brg asm	Stainless steel
14	Can brg asm seal	Silicon rubber
15	Stator cover(front)	PA66
16	Stator	
17	Stator cover(back)	PA66
18	Motor housing	ADC12
19	Drain plug	Copper
20	Speed regulation board	
21	Terminal cover	ABS
22	Terminal box	PA66
23	Capacitor	





LRP15-60K/130

Q-H
Q-P



LRP25-60K/130

Q-H
Q-P

Application

It is widely used for

- Pressure boosting for domestic water supply
- Floor heating system
- Solar pumping system

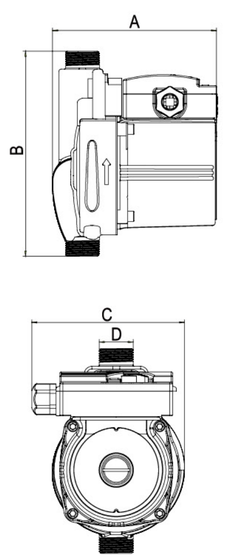
Pump

- Automatic pressure boosting
- Anti-rust cast iron pump body
- Noryl impeller with heat resistance up to 150℃
- 99% alumina ceramic shaft
- Liquid temperature: 2℃ - 60℃

Motor

- Insulation class: H
- Protection class: IP42
- 99% alumina ceramic bearing

Dimension Drawing



Identification Codes

LRP 15 - 90 A / 160

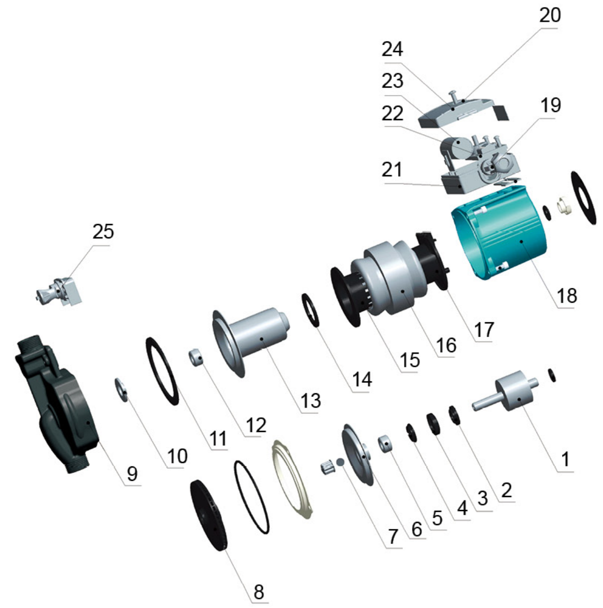
- 160 — Distance between Inlet and Outlet (mm)
- A — Automatic Operation
- 90 — Max. Head (dm)
- 15 — Inlet/Outlet Diameter (mm)
- LRP — LEO Booster/Circulation Pump

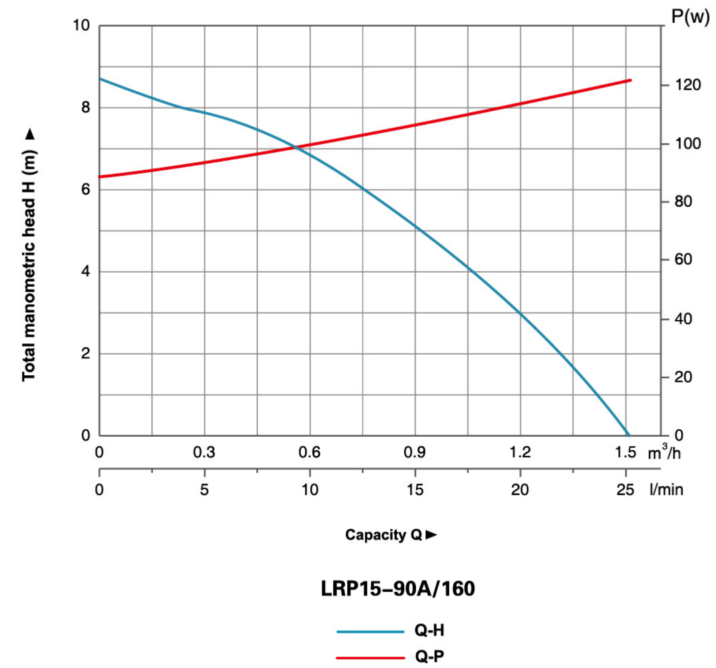
MODEL	A (mm)	B (mm)	C (mm)	D
LRP15-90A/160	129	160	120	G $^{3}/_{4}$

MODEL	Voltage/Frequency	Power (W)	Max.Flow (l/min)	Max.Head (m)	Inlet/Outlet (mm)	Pipe Size (inch)
LRP15-90A/160	110~120V/60Hz	123	25	9	Φ15	1

Materials Table

No.	Part	Material
1	Rotor	
2	Thrust bearing adjusting mat	Noryl
3	Thrust ring suppot	Silicon rubber
4	Bushings	Graphite
5	Front bearing	Alumina
6	Pump support cover	Stainless steel
7	Check ball	Silicon rubber
8	Impeller	PPO
9	Pump body	Cast iron/Bronze
10	Pump body insert	Stainless steel
11	Body gasket	
12	Rear bearing	HT200
13	Can brg asm	Stainless steel
14	Can brg asm seal	Silicon rubber
15	Stator cover(front)	PA66
16	Stator sleeve	
17	Stator cover(back)	PA66
18	Housing	ADC12
19	Cable outlet nut	ABS
20	Button	ABS
21	Terminal box	PA6
22	Regulation switch	
23	Capacitor	
24	Terminal cover	ABS
25	Flow switch assembly	





LRP

Booster Pump

Application

- It is widely used for heatingventilating and air conditioning(HVAC) circulation, pressure boosting of hot water in family, homes powered by solar energy, industrial auxiliary equipment cold and hot water circulation and so forth
- Water circulation for the central and district heating system
- Domestic hot water circulation

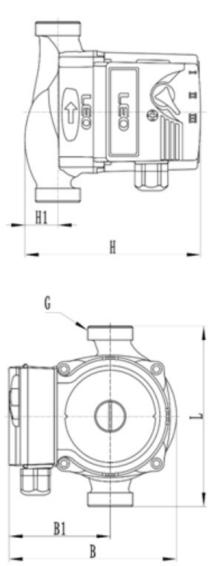
Pump

- Anti-rust cast iron pump body
- Noryl impeller with heat resistance up to 150 °C
- 99% alumina ceramic shaft
- Liquid temperature: 2 - 95 °C

Motor

- Insulation class: H
- Protection class: IP44
- 99% alumina ceramic bearing
- Three speed motor

Dimension Drawing



Identification Codes

LRP 25 - 120 A / 180

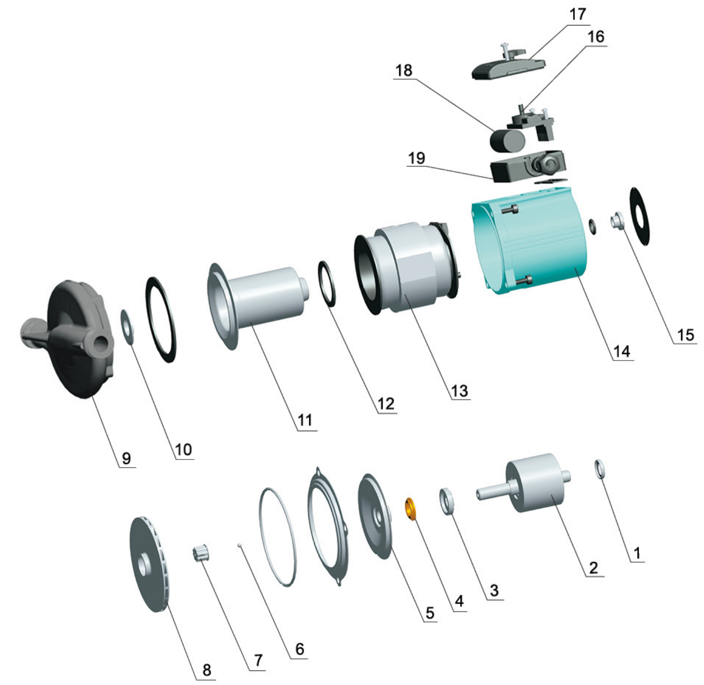
- 180: Distance between Inlet and Outlet (mm)
- A: Automatic Operation
- 120: Max. Head (dm)
- 25: Inlet/Outlet Diameter (mm)
- LRP: LEO Booster/Circulation Pump

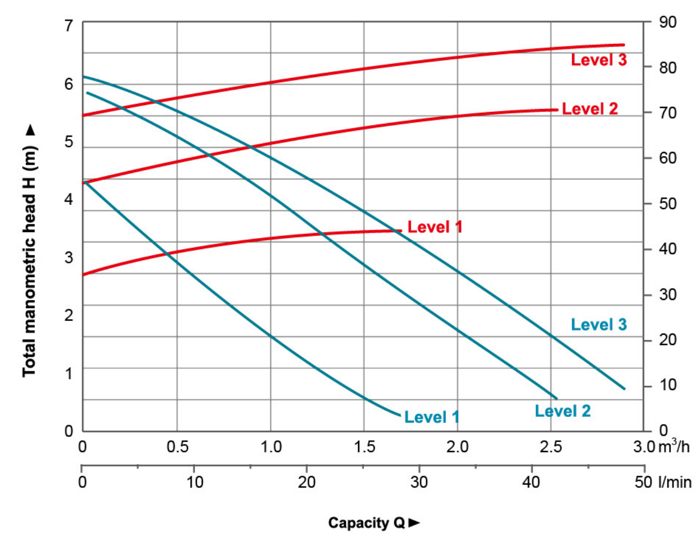
MODEL	L (mm)	B (mm)	B1 (mm)	H (mm)	H1 (mm)	G
LRP15-60A/130	130	125	75	130	25	G1
LRP25-120A/180	180	148	75	155	25	G1.5

MODEL	Voltage/Frequency		Input Power (W) 3	2	1	Max.Flow (l/min)	Max.Head (m)	Inlet/Outlet (mm)	Pipe Size (inch)	N.W. (kgs)	G.W. (kgs)	Packing Size (mm)
LRP15-60A/130	1~220V/60Hz	1~110V/60Hz	96	69	45	38.3/28.3/21.7	5.5/4.7/3	φ15	1	2.32	2.45	198x143x160
LRP25-120A/180	1~220V/60Hz	1~110V/60Hz	270	200	160	58.3/45/25	12/11/.3.5	φ25	1.5	4.62	4.96	192x170x190

Materials Table

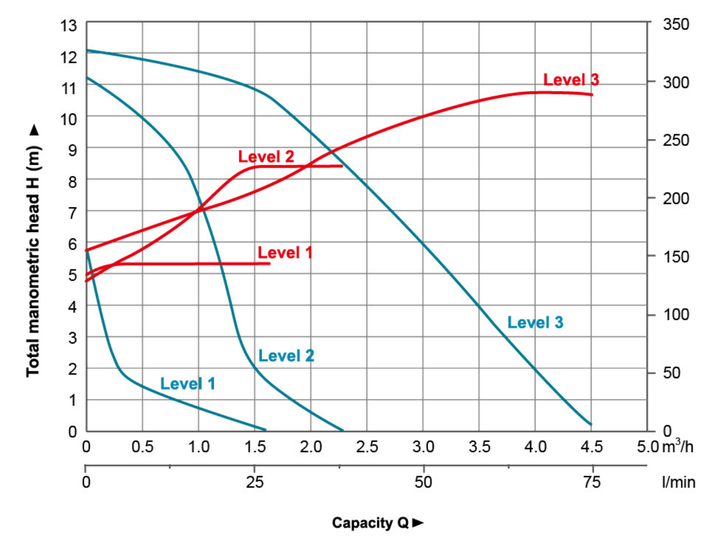
No.	Part	Material
1	Back bearing adjusting mat	PPO-GF30
2	Rotor	
3	Thrust ring suppot	EPDM
4	Bushings	Graphite
5	Pump support cover	
6	Check ball	Sillicon rubber
7	Locking	stainless steel
8	Impeller	
9	Pump body	Cast Iron
10	Pump body insert	stainless steel
11	Can brg asm	
12	Can brg asm seal	Sillicon rubber
13	Stator sleeve	
14	Motor housing	ADC12
15	Drain plug	DZR
16	speed regulation board	
17	Terminal box cover	ABS
18	Capacitor	
19	Terminal box	PA6-GF20





LRP15-60A/130

Q-H
Q-P

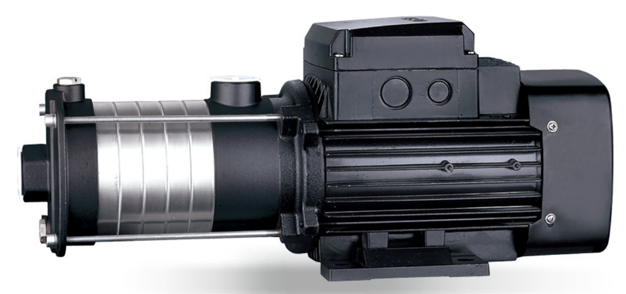


LRP25-120A/180

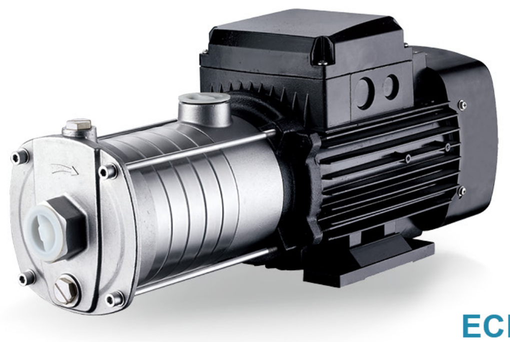
Q-H
Q-P

ECH

Stainless Steel Horizontal Multistage Pump



ECH



ECHS

Application

- It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc.

Pump

- AISI 304 shaft
- Max. liquid temperature: +85℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure

Motor

- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IP55
- Max. ambient temperature: +40℃

Identification Codes

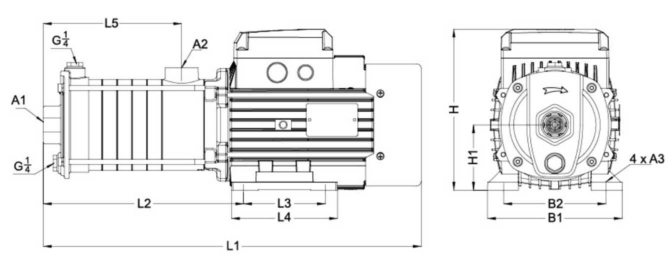
ECH (m) 2- 30 (S)

- (S): Stainless Steel Wetted Parts
- 30: Impeller Stage x10
- 2: Rated Flow (m^3/h)
- (m): Single Phase (no m for three-phase)
- ECH: Stainless Steel Horizontal Multistage Pump

Technical Data

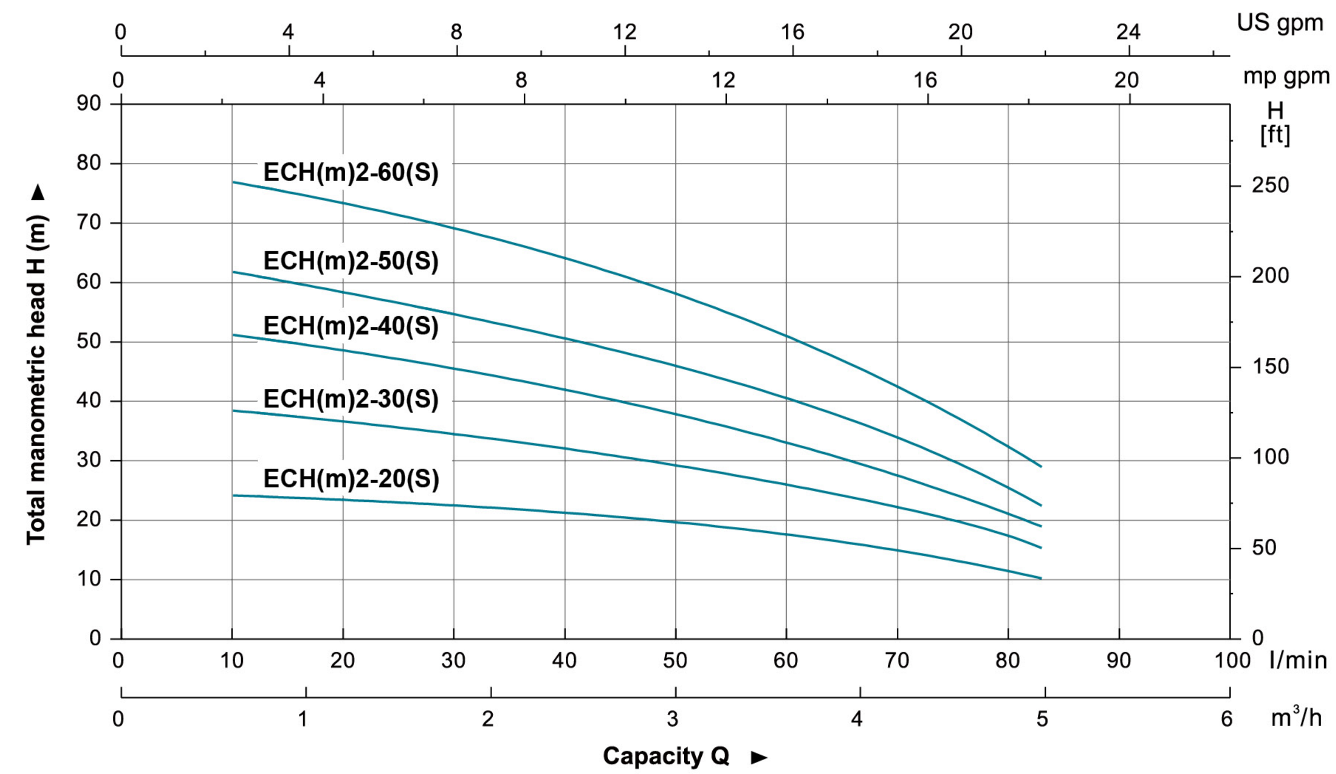
MODEL	POWER kW	POWER HP	Q (m^3/h) / Q (l/min)	0 / 0	1 / 17	1.5 / 26	2 / 33	2.5 / 43	3 / 50	3.5 / 60	4 / 67	4.5 / 77
ECH(m)2-20(S)	0.37	0.55	H (m)	27	24.5	23.5	22	21	19	17	15	13
ECH(m)2-30(S)	0.55	0.75		39	37	35.5	32	31	29	26	23	18
ECH(m)2-40(S)	0.75	1		53	49	47.5	43.5	40.5	37.5	33.5	29	23
ECH(m)2-50(S)	0.75	1		65	58.5	56	53.5	49.5	46	41.5	35.5	29.5
ECH(m)2-60(S)	1.1	1.5		79	75	71	66	62.5	57.5	51.5	45	37.5

Dimension



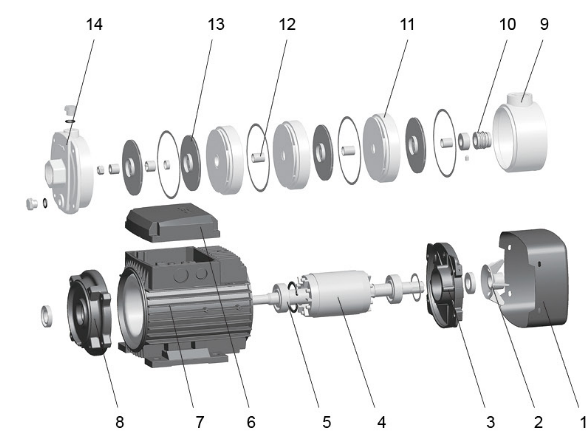
Model	L1	L2	L3	L4	L5	B1	B2	H	H1	A1	A2	A3
ECH(m)2-20(S)	344	165.5	90	110	98.5	137	109	176.5	71	G1	G1	Φ7
ECH(m)2-30(S)	362.5	184	90	110	117	137	109	176.5	71	G1	G1	Φ7
ECH(m)2-40(S)	381	202	90	100	135	137	109	176.5	71	G1	G1	Φ7
ECH(m)2-50(S)	447	229.5	100	130	153.5	165	125	197.5	80	G1	G1	Φ10
ECH(m)2-60(S)	465	247	100	130	171	165	125	197.5	80	G1	G1	Φ10

Hydraulic Performance Curves



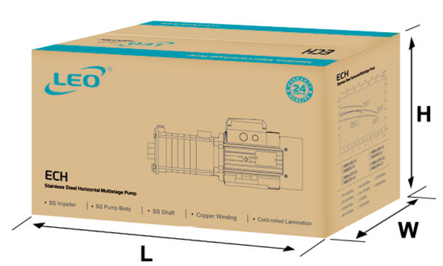
Materials Table

No.	Part	Material
1	Fan cover	PP
2	Fan	PP
3	Rear cover	ZL 102
4	Rotor	
5	Bearing	
6	Terminal box	ZL 102
7	Stator	
8	Front cover	Cast iron
9	Outlet body	Cast iron/AISI 304
10	Mechanical seal	Carbon/Ceramic
11	Diffuser	AISI 304
12	Sleeve	AISI 304
13	Impeller	AISI 304
14	Pump body	Cast iron/AISI 304



Package Information

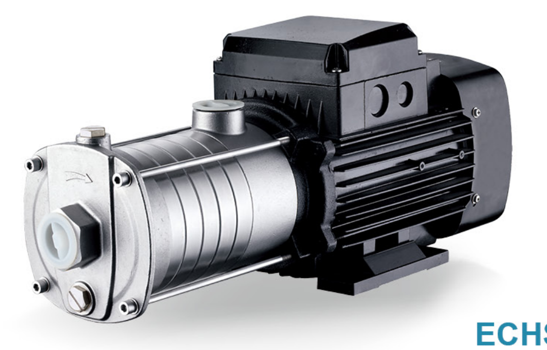
Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ECH(m)2-20(S)	11.5	400	185	240	1593
ECH(m)2-30(S)	11.8	400	185	240	1593
ECH(m)2-40(S)	12.6	400	185	240	1593
ECH(m)2-50(S)	13.2	455	185	240	1404
ECH(m)2-60(S)	13.7	455	185	240	1404



ECH

Stainless Steel Horizontal Multistage Pump

ECH



ECHS

Application

- It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc.

Pump

- AISI 304 shaft
- Max. liquid temperature: +85℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure

Motor

- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IP55
- Max. ambient temperature: +40℃

Identification Codes

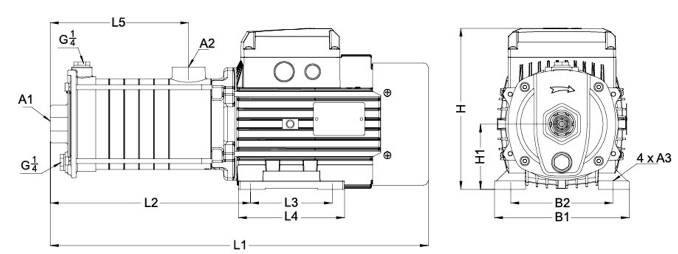
ECH (m) 4- 30 (S)

- (S): Stainless Steel Wetted Parts
- 30: Impeller Stage x10
- 4: Rated Flow (m^3/h)
- (m): Single Phase (no m for three-phase)
- ECH: Stainless Steel Horizontal Multistage Pump

Technical Data

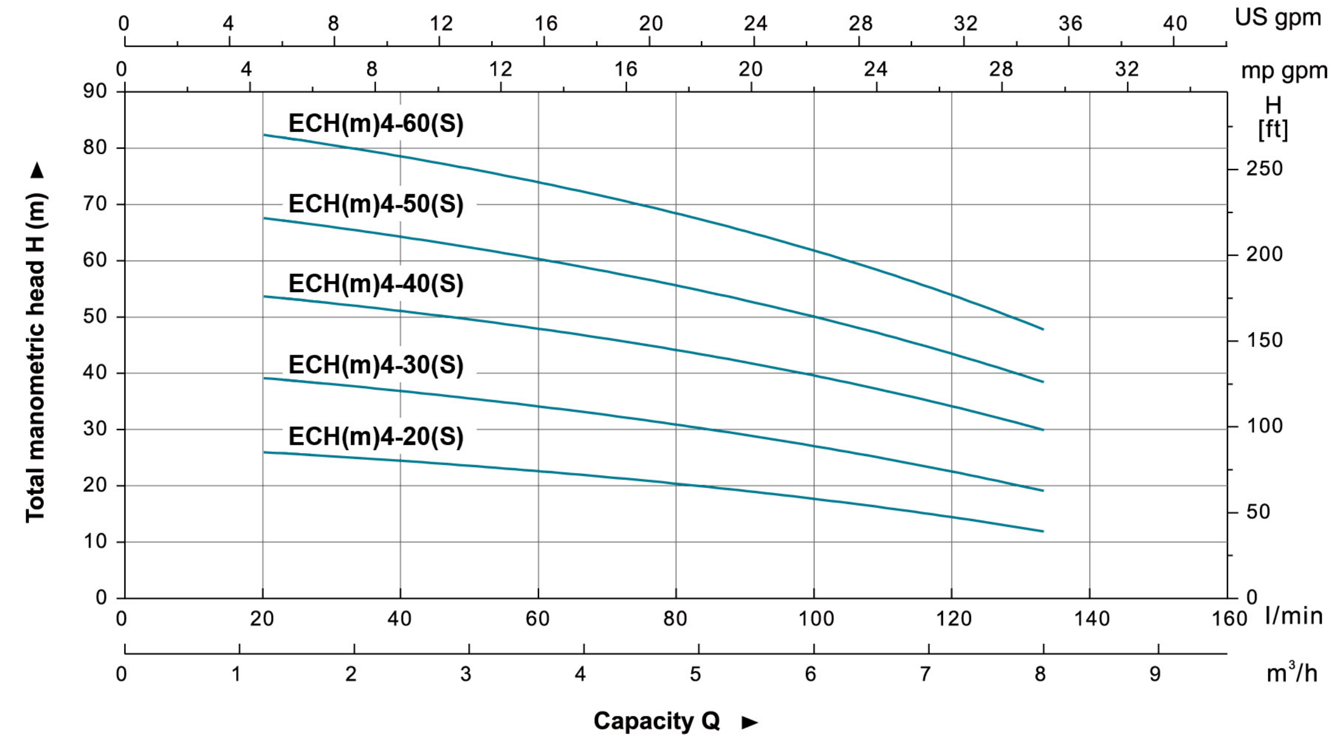
MODEL	POWER kW	POWER HP	Q (m^3/h) / Q (l/min)	0 / 0	2 / 33	3 / 50	4 / 67	5 / 83	6 / 100	7 / 118	8 / 134
ECH(m)4-20(S)	0.75	1	H (m)	27	25	23.5	22	19.5	17	15	12
ECH(m)4-30(S)	0.75	1		41	37.5	35	33	30	27	23	19
ECH(m)4-40(S)	1.1	1.5		55	52	49.5	46	43	39.5	35.5	29.5
ECH(m)4-50(S)	1.5	2		70	65.5	62	58	54.5	50	45	38
ECH(m)4-60(S)	2.2	3		85	80	76	71	67	62	55.5	47

Dimension



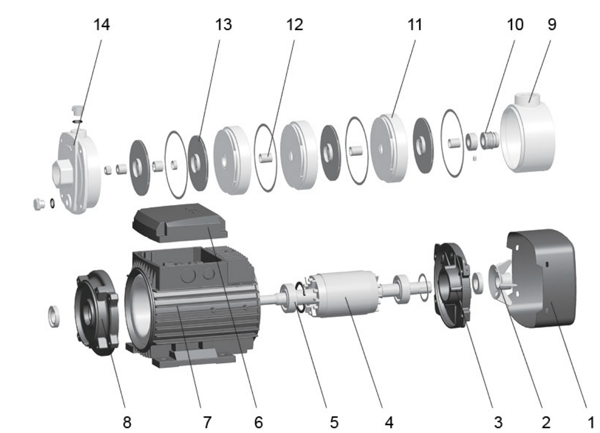
Model	L1	L2	L3	L4	L5	B1	B2	H	H1	A1	A2	A3
ECH(m)4-20(S)	354	175.5	90	110	108.5	137	109	176.5	71	$G1\frac{1}{4}$	G1	Φ7
ECH(m)4-30(S)	429	211.5	100	130	135.5	165	125	197.5	80	$G1\frac{1}{4}$	G1	Φ10
ECH(m)4-40(S)	457	239.5	100	130	163.5	165	125	197.5	80	$G1\frac{1}{4}$	G1	Φ10
ECH(m)4-50(S)	545.5	257.5	125	150	190.5	180	140	217.5	90	$G1\frac{1}{4}$	G1	Φ10
ECH(m)4-60(S)	573	285	125	150	218	180	140	217.5	90	$G1\frac{1}{4}$	G1	Φ10

Hydraulic Performance Curves



Materials Table

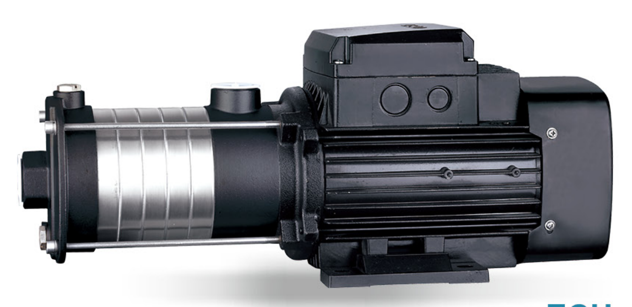
No.	Part	Material
1	Fan cover	PP
2	Fan	PP
3	Rear cover	ZL 102
4	Rotor	
5	Bearing	
6	Terminal box	ZL 102
7	Stator	
8	Front cover	Cast iron
9	Outlet body	Cast iron/AISI 304
10	Mechanical seal	Carbon/Ceramic
11	Diffuser	AISI 304
12	Sleeve	AISI 304
13	Impeller	AISI 304
14	Pump body	Cast iron/AISI 304



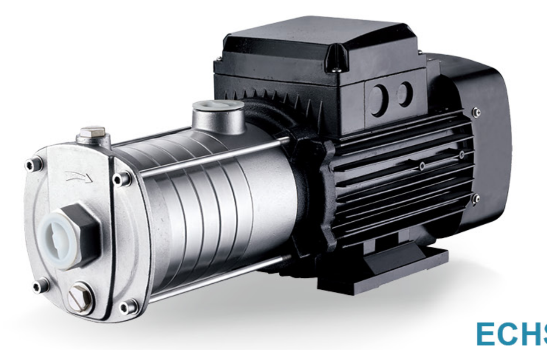
Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ECH(m)4-20(S)	12.6	400	185	240	1593
ECH(m)4-30(S)	12.8	400	185	240	1593
ECH(m)4-40(S)	14.6	455	185	240	1404
ECH(m)4-50(S)	15.1	455	185	240	1404
ECH(m)4-60(S)	15.6	455	185	240	1287

ECH



ECH



ECHS

Application

- It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc.

Pump

- AISI 304 shaft
- Max. liquid temperature: +85℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure

Motor

- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IP55
- Max. ambient temperature: +40℃

Identification Codes

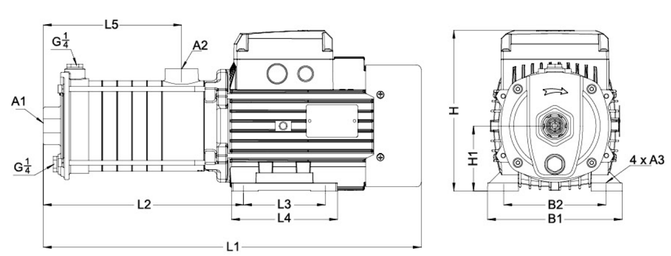
ECH (m) 10 - 30 (S)

- (S) — Stainless Steel Wetted Parts
- 30 — Impeller Stage x10
- 10 — Rated Flow (m^3/h)
- (m) — Single Phase (no m for three-phase)
- ECH — Stainless Steel Horizontal Multistage Pump

Technical Data

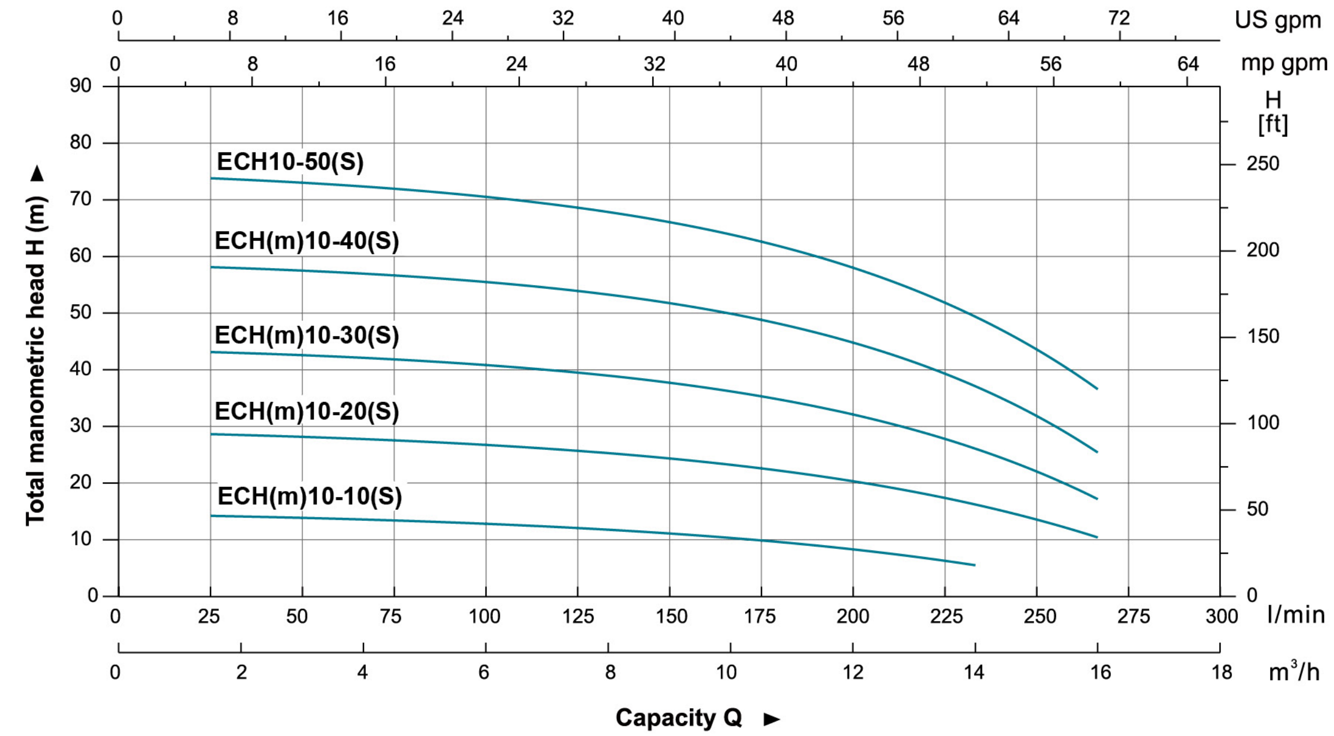
MODEL	POWER		Q (m^3/h)	0	4	6	8	10	12	14	16
	kW	HP	Q (l/min)	0	67	100	133	167	200	234	268
ECH(m)10-10(S)	0.75	1	H (m)	14.5	14	13.5	12	10.5	8.5	5.5	-
ECH(m)10-20(S)	1.1	1.5		29	27.5	27	25.5	23	20.5	16	10.5
ECH(m)10-30(S)	1.5	2		43	42	41.5	39.5	36	32	25.5	17.5
ECH(m)10-40(S)	2.2	3		57.5	57	56.5	54	50	44.5	36	26
ECH10-50(S)	3	4		72.5	72.5	72	69	64	58	47	32.5

Dimension



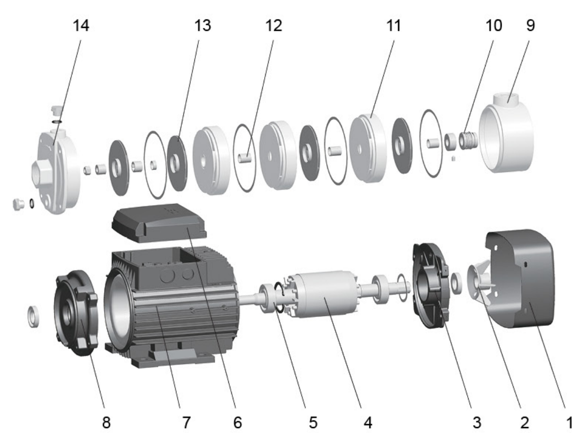
Model	L1	L2	L3	L4	L5	B1	B2	H	H1	A1	A2	A3
ECH(m)10-10(S)	430	212.5	100	130	121.5	165	125	197.5	80	$G1\frac{1}{2}$	$G1\frac{1}{4}$	Φ10
ECH(m)10-20(S)	430	212.5	100	130	121.5	165	125	197.5	80	$G1\frac{1}{2}$	$G1\frac{1}{4}$	Φ10
ECH(m)10-30(S)	519	231	125	150	151.5	180	140	217.5	90	$G1\frac{1}{2}$	$G1\frac{1}{4}$	Φ10
ECH(m)10-40(S)	549.5	261.5	125	150	182	180	140	217.5	90	$G1\frac{1}{2}$	$G1\frac{1}{4}$	Φ10
ECH10-50(S)	595	315.5	140	180	212	205	160	224.5	100	$G1\frac{1}{2}$	$G1\frac{1}{4}$	Φ12

Hydraulic Performance Curves



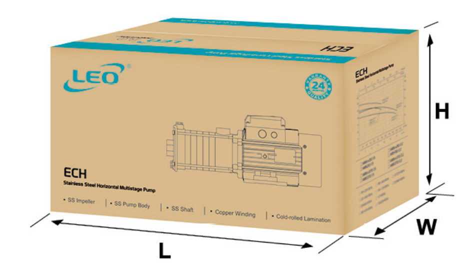
Materials Table

No.	Part	Material
1	Fan cover	PP
2	Fan	PP
3	Rear cover	ZL 102
4	Rotor	
5	Bearing	
6	Terminal box	ZL 102
7	Stator	
8	Front cover	Cast iron
9	Outlet body	Cast iron
10	Mechanical seal	Carbon/Ceramic
11	Diffuser	AISI 304
12	Sleeve	AISI 304
13	Impeller	AISI 304
14	Pump body	Cast iron

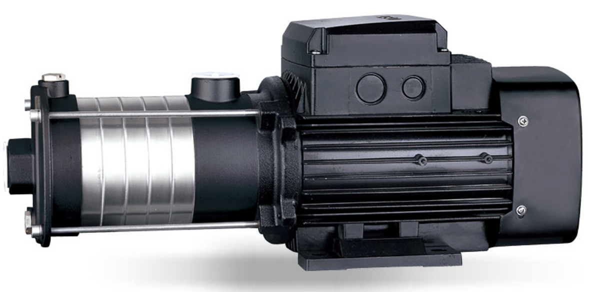


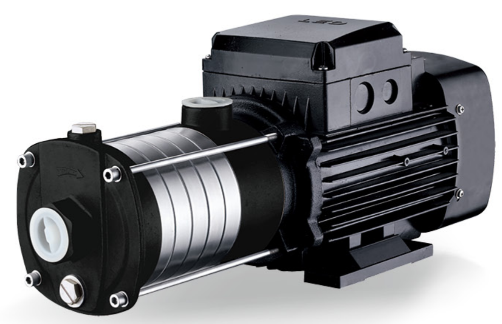
Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ECH(m)10-10(S)	21.7	435	230	282	910
ECH(m)10-20(S)	21.8	435	230	282	910
ECH(m)10-30(S)	23.7	465	230	282	843
ECH(m)10-40(S)	26.1	570	230	282	700
ECH10-50(S)	29.9	600	230	282	658



ECH
Stainless Steel Horizontal
Multistage Pump





Application

- It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc.

Pump

- AISI 304 shaft
- Max. liquid temperature: +85℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure

Motor

- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IP55
- Max. ambient temperature: +40℃

Identification Codes

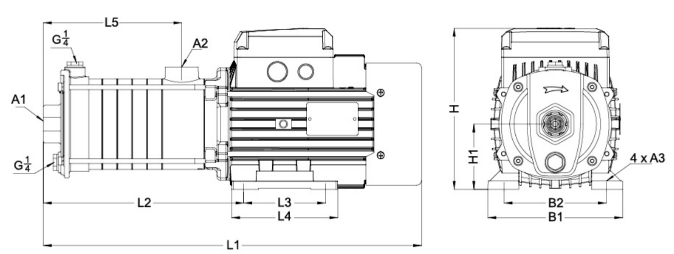
ECH (m) 15 - 10

- 10 — Impeller Stage x10
- 15 — Rated Flow (m^3/h)
- (m) — Single Phase (no m for three-phase)
- ECH — Stainless Steel Horizontal Multistage Pump

Technical Data

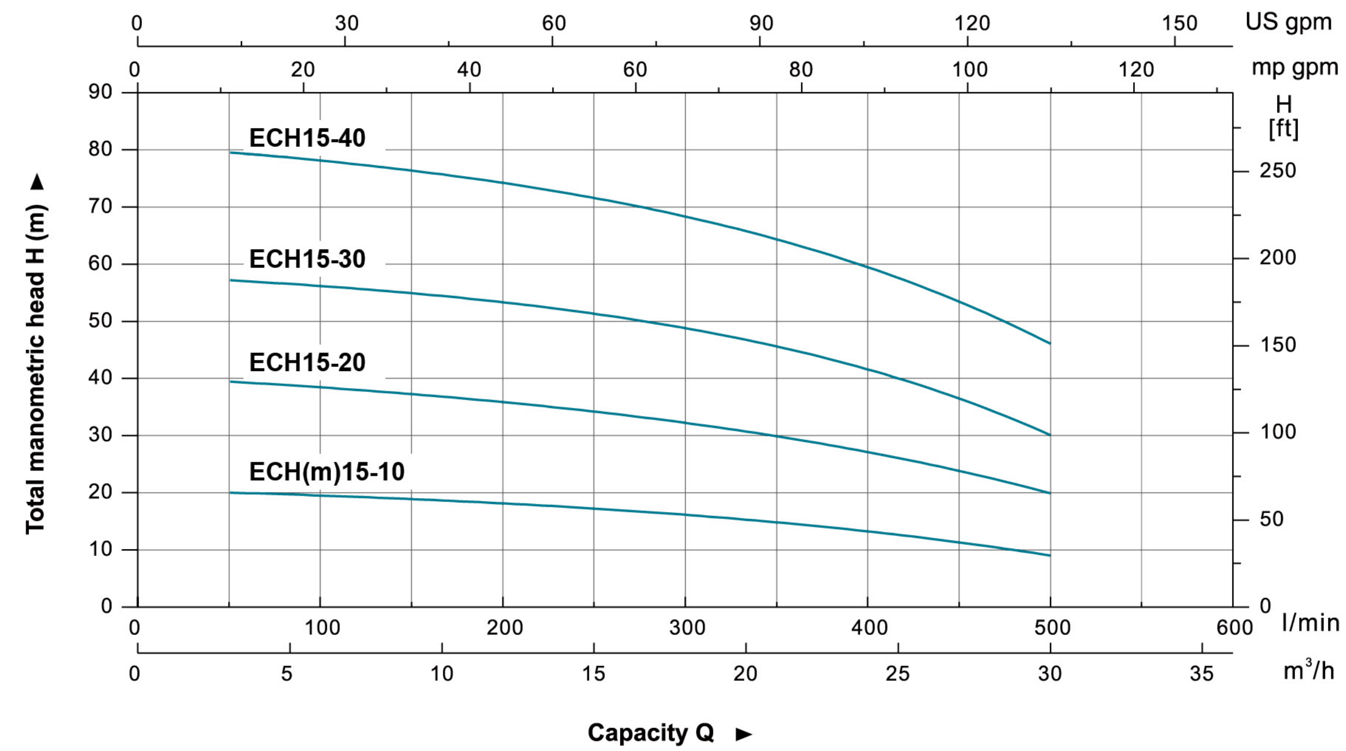
MODEL	POWER kW	POWER HP	Q (m^3/h) / Q (l/min)	0 / 0	6 / 100	9 / 150	12 / 200	15 / 250	18 / 300	21 / 350	24 / 400	27 / 450
ECH(m)15-10	1.5	2	H (m)	20.5	19.5	18.5	18	17	16	14.5	13	11
ECH15-20	3	4		40	38	37	36	34	32	29.5	26.5	24
ECH15-30	4	5.5		57	56	55.5	54	52	49	44.5	40.5	35.5
ECH15-40	5.5	7.5		80	77	76	75	72	69	64	58.5	52.5

Dimension



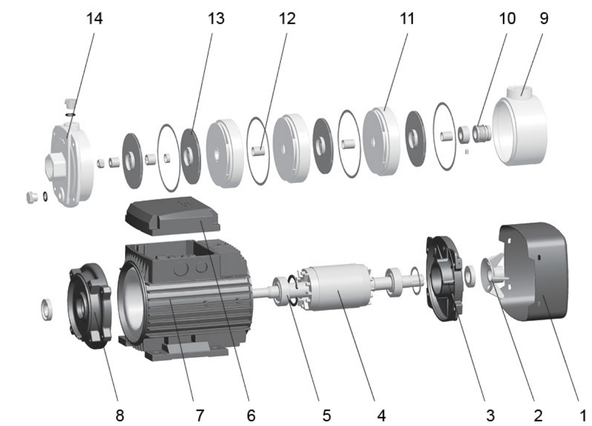
Model	L1	L2	L3	L4	L5	B1	B2	H	H1	A1	A2	A3
ECH(m)15-10	510	222	125	150	139.5	180	140	217.5	90	G2	G2	Φ10
ECH15-20	525.5	246	140	180	139.5	205	160	224.5	100	G2	G2	Φ12
ECH15-30	570.5	291	140	180	184.5	205	160	224.5	100	G2	G2	Φ12
ECH15-40	669	349	140	180	230	230	190	254.5	112	G2	G2	Φ12

Hydraulic Performance Curves



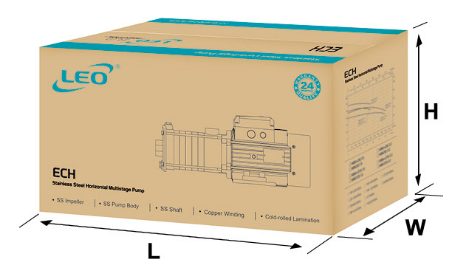
Materials Table

No.	Part	Material
1	Fan cover	PP
2	Fan	PP
3	Rear cover	ZL 102
4	Rotor	
5	Bearing	
6	Terminal box	ZL 102
7	Stator	
8	Front cover	Cast iron
9	Outlet body	Cast iron
10	Mechanical seal	Carbon/Ceramic
11	Diffuser	AISI 304
12	Sleeve	AISI 304
13	Impeller	AISI 304
14	Pump body	Cast iron



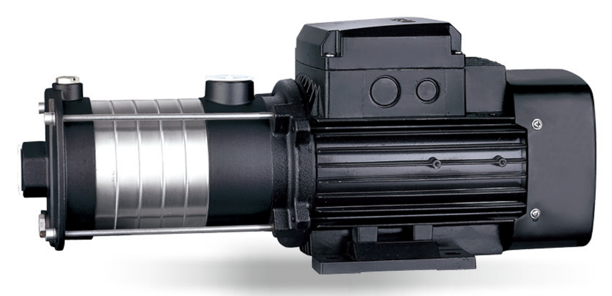
Package Information

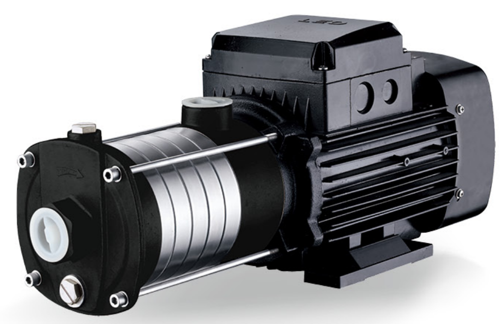
Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ECH(m)15-10	22.9	465	230	282	854
ECH15-20	28.7	530	230	282	696
ECH15-30	34.5	585	275	302	553
ECH15-40	38.1	640	275	302	524



ECH

Stainless Steel Horizontal Multistage Pump





Application

- It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc.

Pump

- AISI 304 shaft
- Max. liquid temperature: +85℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure

Motor

- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IP55
- Max. ambient temperature: +40℃

Identification Codes

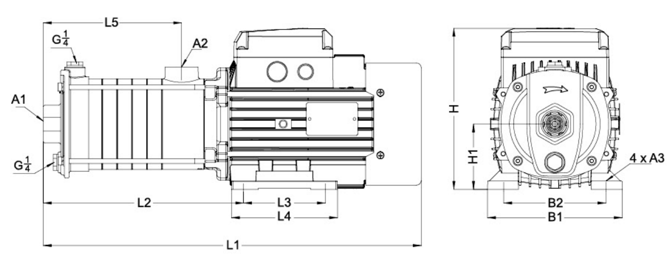
ECH (m) 20 - 10

- 10: Impeller Stage x10
- 20: Rated Flow (m^3/h)
- (m): Single Phase (no m for three-phase)
- ECH: Stainless Steel Horizontal Multistage Pump

Technical Data

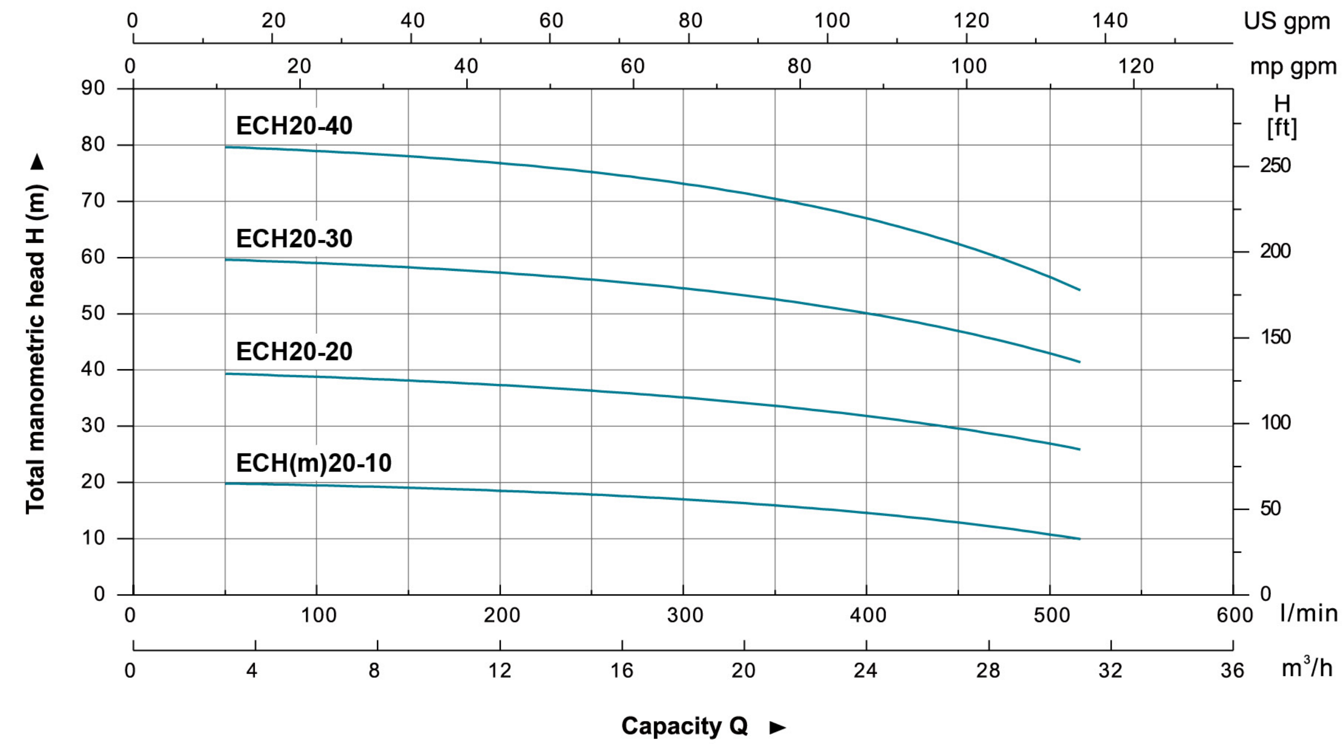
MODEL	POWER		Q (m^3/h)	0	8	12	16	18	20	22	24	28	32
	kW	HP	Q (l/min)	0	133	200	267	300	333	368	400	468	535
ECH(m)20-10	1.5	2	H (m)	20	19	18.5	17.5	17	16	15.5	14.5	12	-
ECH20-20	3	4		39.5	37.5	37	35.5	35	34	32.5	31.5	28.5	25.5
ECH20-30	5.5	7.5		59.5	58.5	57.5	55.5	54.5	53	52	50	45.5	40.5
ECH20-40	7.5	10		80	78	77	74.5	73.5	71	69.5	66.5	59.5	53

Dimension



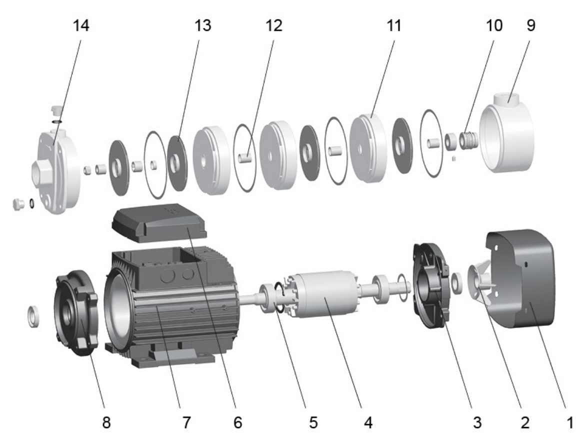
Model	L1	L2	L3	L4	L5	B1	B2	H	H1	A1	A2	A3
ECH(m)20-10	510	222	125	150	139.5	180	140	217.5	90	G2	G2	Φ10
ECH20-20	525.5	246	140	180	139.5	205	160	224.5	100	G2	G2	Φ12
ECH20-30	623.5	303.5	140	180	184.5	230	160	254.5	112	G2	G2	Φ12
ECH20-40	669	349	140	180	230	230	190	254.5	112	G2	G2	Φ12

Hydraulic Performance Curves



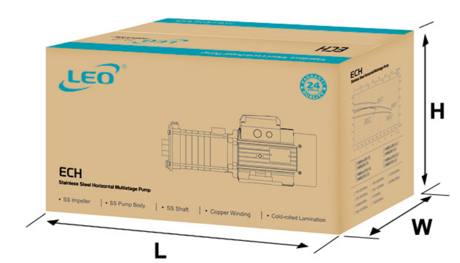
Materials Table

No.	Part	Material
1	Fan cover	PP
2	Fan	PP
3	Rear cover	ZL 102
4	Rotor	
5	Bearing	
6	Terminal box	ZL 102
7	Stator	
8	Front cover	Cast iron
9	Outlet body	Cast iron
10	Mechanical seal	Carbon/Ceramic
11	Diffuser	AISI 304
12	Sleeve	AISI 304
13	Impeller	AISI 304
14	Pump body	Cast iron



Package Information

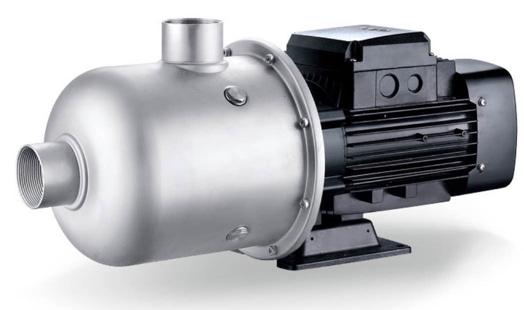
Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ECH(m)20-10	22.9	465	230	282	854
ECH20-20	28.7	530	230	282	696
ECH20-30	37.3	585	275	302	536
ECH20-40	38.1	640	275	302	524



ECH

EDH

Stainless Steel Horizontal Multistage Pump



Application

- It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc.

Pump

- AISI 304 shaft
- Max. liquid temperature: +85℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure
- Max.operation pressure: 10 bar
- Liquid PH value: 4 - 10

Motor

- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IP55
- Max. ambient temperature: +40℃

Identification Codes

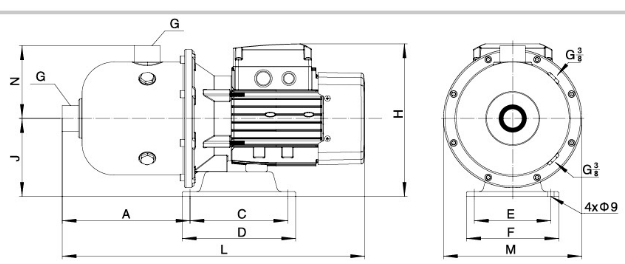
EDH(m) 2-30

- 30 — Impeller Stage x 10
- 2 — Rated Flow (m^3/h)
- (m) — Single Phase (Three-phase model without m)
- EDH — Stainless Steel Horizontal Multistage Pump

Technical Data

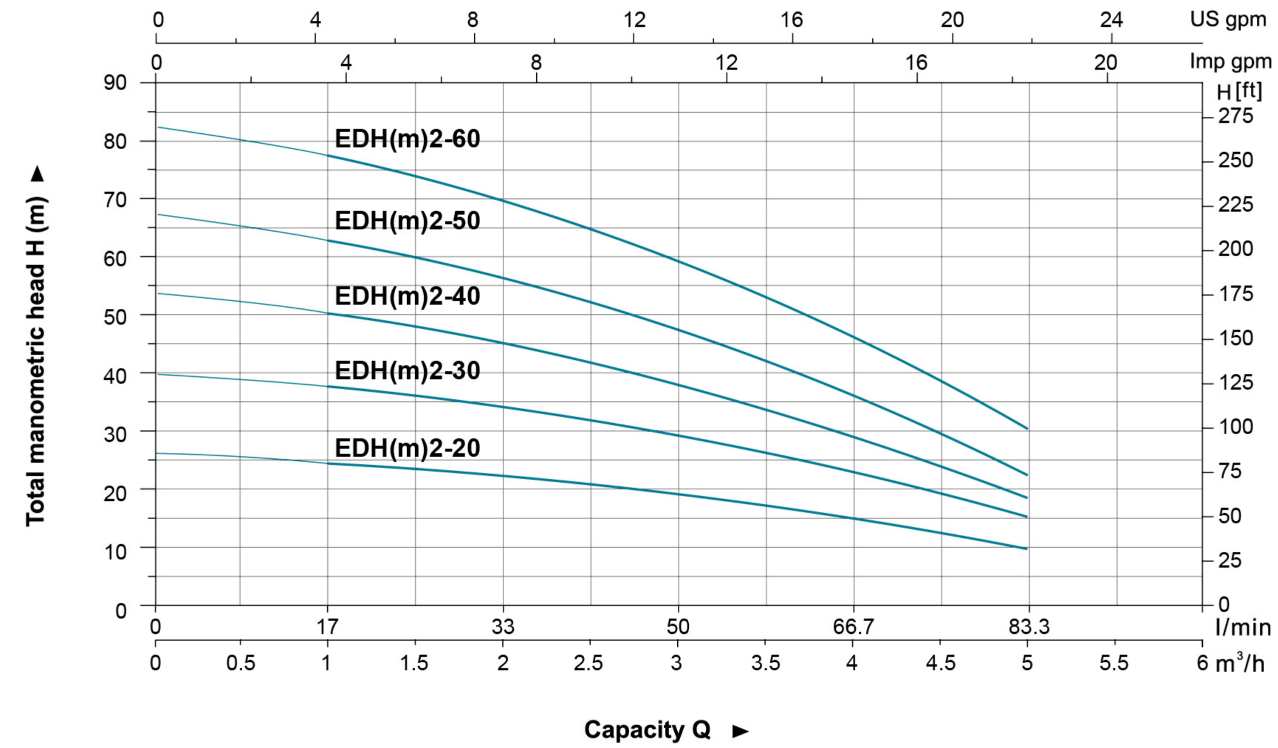
Model	Power (P2) kW	Power (P2) HP	Q (m^3/h)	1	1.5	2	2.5	3	3.5	4	4.5
			Q (l/min)	17	25	33	41.7	50	58.3	66.7	75
EDH(m)2-20	0.37	0.5	H (m)	24.5	23.5	22	21	19	17	15	13
EDH(m)2-30	0.55	0.75		37	35.5	32	31	29	26	23	18
EDH(m)2-40	0.75	1.0		49	47.5	43.5	40.5	37.5	33.5	29	23
EDH(m)2-50	0.75	1.0		58.5	56	53.5	49.5	46	41.5	35.5	29.5
EDH(m)2-60	1.1	1.5		75	71	66	62.5	57.5	51.5	45	37.5

Dimension



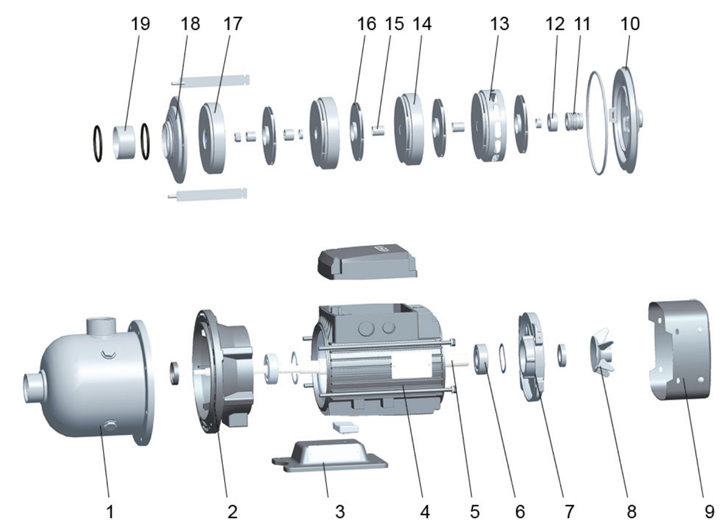
Model	L	A	C	D	E	F	G	H	J	M	N
EDH(m)2-20	427	180	138	160	108	130	G1	216	110	Φ195	103
EDH(m)2-30	427	180	138	160	108	130	G1	216	110	Φ195	103
EDH(m)2-40	427	180	138	160	108	130	G1	216	110	Φ195	103
EDH(m)2-50	427	180	138	160	108	130	G1	238	110	Φ195	103
EDH(m)2-60	427	180	138	160	108	130	G1	238	110	Φ195	103

Hydraulic Performance Curves



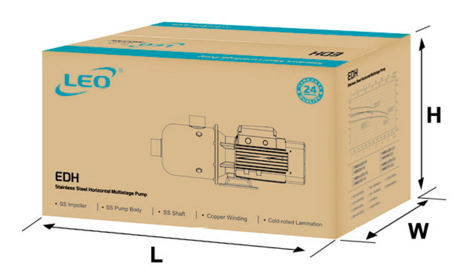
Materials Table

No.	Part	Material
1	Pump body	AISI 304
2	Support	ZL102
3	Bottom plate	Cast iron
4	Stator	
5	Rotor	
6	Bearing	
7	Rear cover	ZL102
8	Fan	PP
9	Fan cover	08F
10	Bracket cover	AISI 304
11	Mechanical seal	Sic/Carbon
12	Positioning sleeve	AISI 304
13	Diffuser 3	AISI 304
14	Diffuser 2	AISI 304
15	Sleeve	AISI 304
16	Impeller	AISI 304
17	Diffuser 1	AISI 304
18	Pressure plate	AISI 304
19	Spacer bush	AISI 304



Package Information

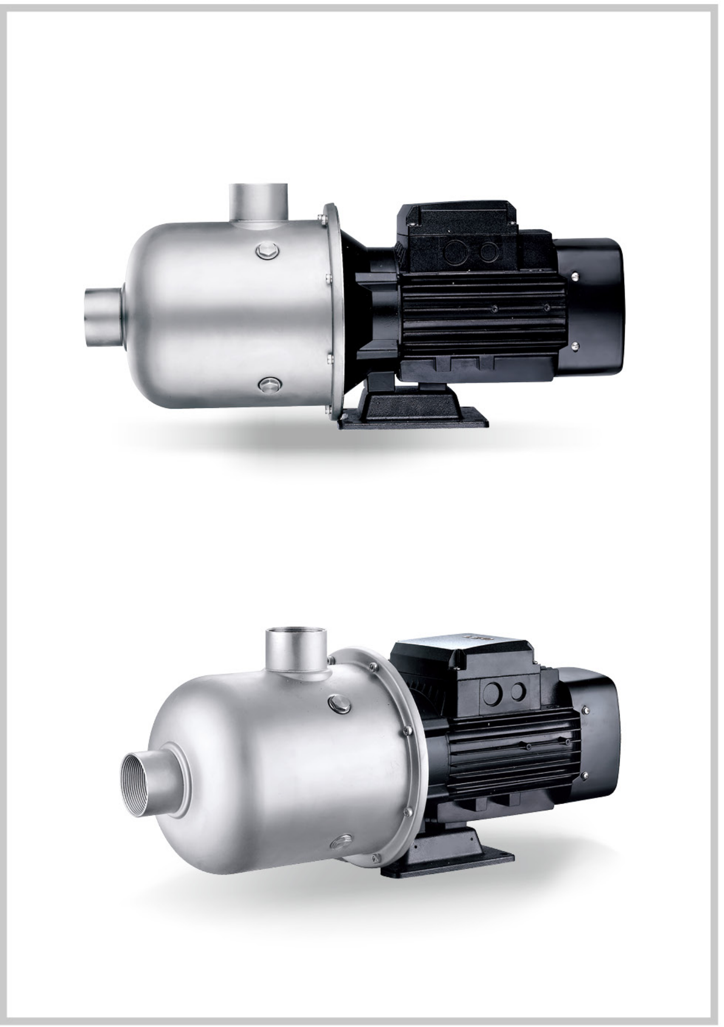
Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EDH(m)2-20	11.02	465	225	291	861
EDH(m)2-30	12.96	465	225	291	861
EDH(m)2-40	13.62	465	225	291	861
EDH(m)2-50	16.97	515	225	318	791
EDH(m)2-60	19.07	515	225	318	791



EDH

EDH

Stainless Steel Horizontal Multistage Pump



Application

- It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc.

Pump

- AISI 304 shaft
- Max. liquid temperature: +85℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure
- Max.operation pressure: 10 bar
- Liquid PH value: 4 - 10

Motor

- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IP55
- Max. ambient temperature: +40℃

Identification Codes

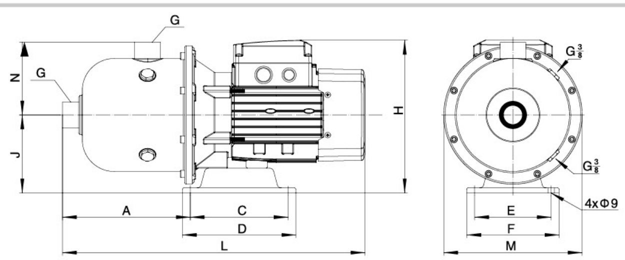
EDH(m) 4-30

- 30 — Impeller Stage x 10
- 4 — Rated Flow (m^3/h)
- (m) — Single Phase (Three-phase model without m)
- EDH — Stainless Steel Horizontal Multistage Pump

Technical Data

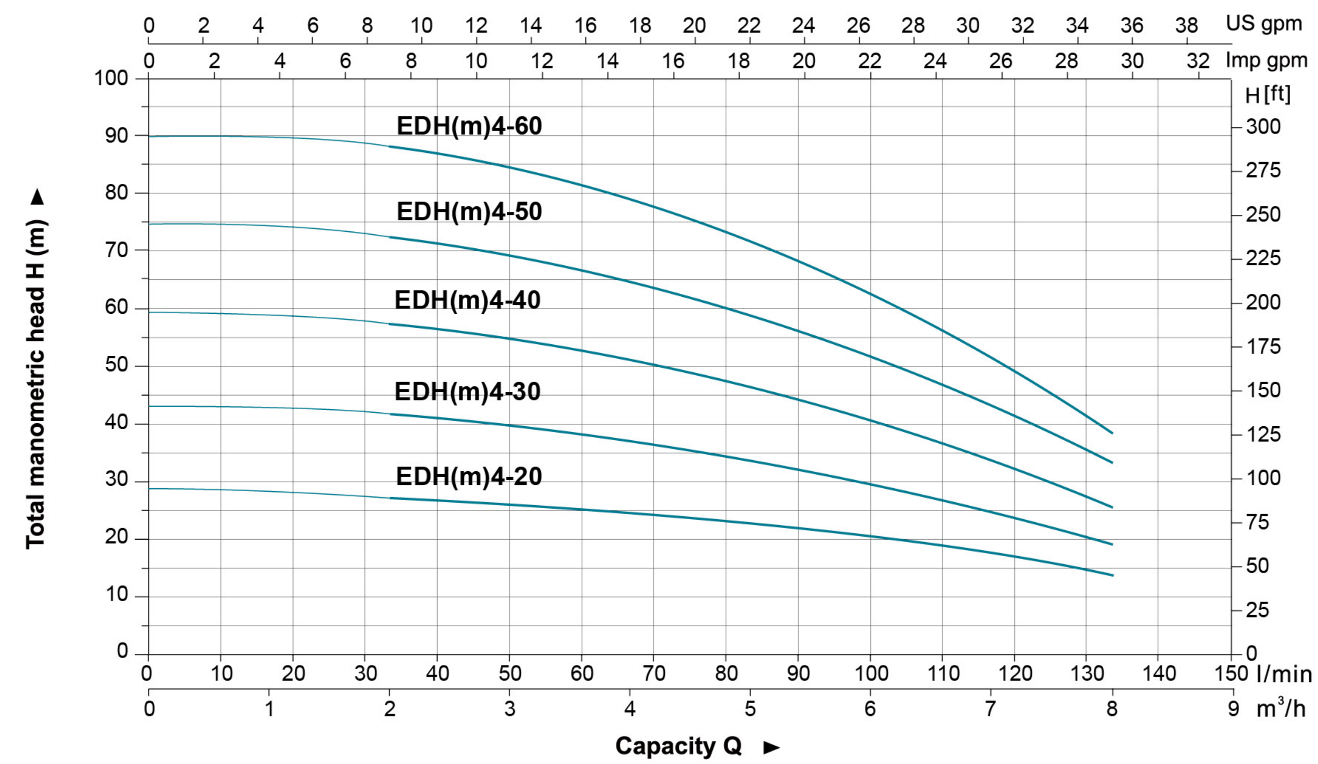
Model	Power (P2)		Q (m^3/h)	2	3	4	5	6	7	8
	kW	HP	Q (l/min)	33	50	67	83	100	115	133
EDH(m)4-20	0.75	1.0	H (m)	27	26	25	23	21	15	14
EDH(m)4-30	0.75	1.0		40	38	36	32	30	25	18
EDH(m)4-40	1.1	1.5		55	53	50	45	39.5	34	24
EDH(m)4-50	1.5	2.0		70	67	64	54.5	50	45	32
EDH(m)4-60	2.2	3.0		85	82	77	67	62	52	35

Dimension



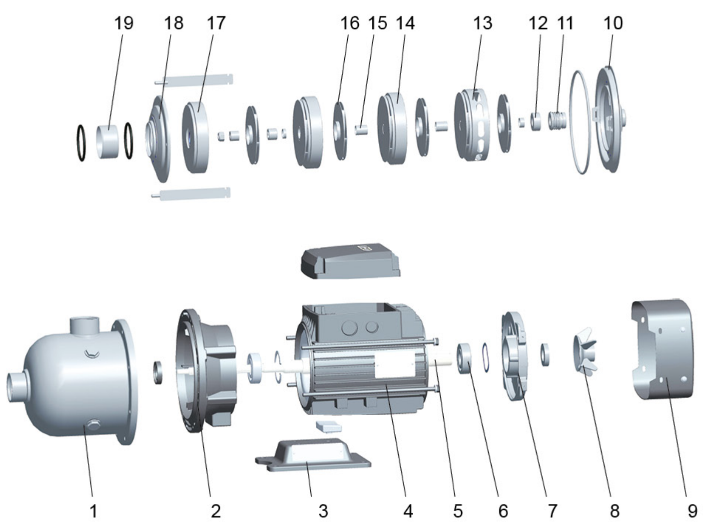
Model	L	A	C	D	E	F	G	H	J	M	N
EDH(m)4-20	427	180	138	160	108	130	G$1\frac{1}{4}$	216	110	Φ195	106
EDH(m)4-30	480	180	138	160	108	130	G$1\frac{1}{4}$	238	120	Φ195	106
EDH(m)4-40	480	180	138	160	108	130	G$1\frac{1}{4}$	238	120	Φ195	106
EDH(m)4-50	538	180	138	160	108	130	G$1\frac{1}{4}$	248	120	Φ195	106
EDH(m)4-60	538	180	138	160	108	130	G$1\frac{1}{4}$	248	120	Φ195	106

Hydraulic Performance Curves



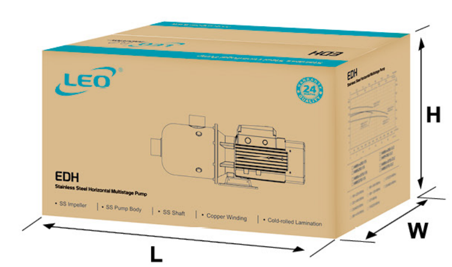
Materials Table

No.	Part	Material
1	Pump body	AISI 304
2	Support	ZL102
3	Bottom plate	Cast iron
4	Stator	
5	Rotor	
6	Bearing	
7	Rear cover	ZL102
8	Fan	PP
9	Fan cover	08F
10	Bracket cover	AISI 304
11	Mechanical seal	Sic/Carbon
12	Positioning sleeve	AISI 304
13	Diffuser 3	AISI 304
14	Diffuser 2	AISI 304
15	Sleeve	AISI 304
16	Impeller	AISI 304
17	Diffuser 1	AISI 304
18	Pressure plate	AISI 304
19	Spacer bush	AISI 304



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EDH(m)4-20	13.36	465	225	291	861
EDH(m)4-30	16.97	515	225	318	791
EDH(m)4-40	19.37	515	225	318	791
EDH(m)4-50	22.44	570	265	338	504
EDH(m)4-60	25.34	570	265	338	504



EDH

Stainless Steel Horizontal Multistage Pump

Application

- It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc.

Pump

- AISI 304 shaft
- Max.liquid temperature: +85℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure
- Max.operation pressure: 10 bar
- Liquid PH value: 4 - 10

Motor

- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IP55
- Max. ambient temperature: +40℃

Identification Codes

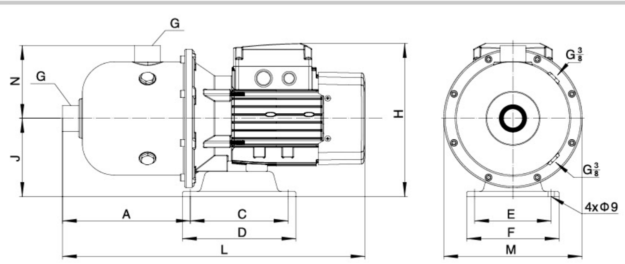
EDH(m)10-30

- 30 — Impeller Stage x 10
- 10 — Rated Flow (m^3/h)
- (m) — Single Phase (Three-phase model without m)
- EDH — Stainless Steel Horizontal Multistage Pump

Technical Data

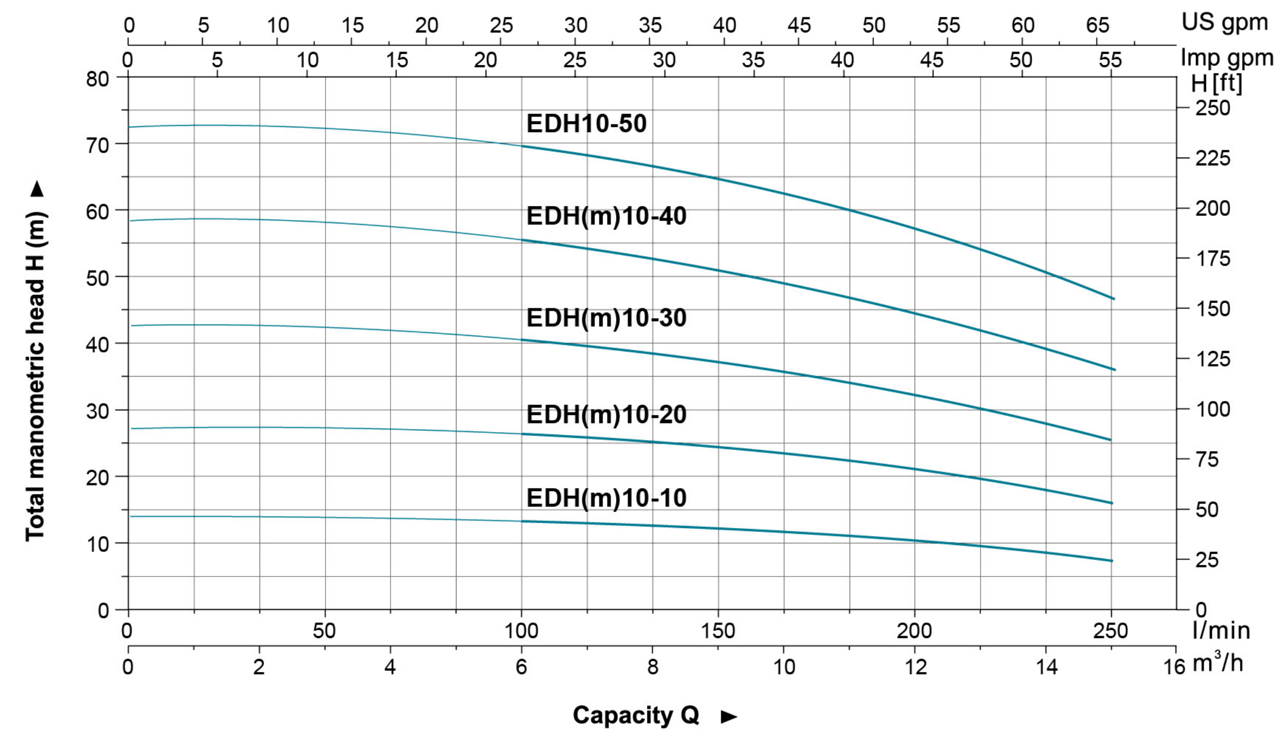
Model	Power (P2)		Q (m^3/h)	6	8	10	12	14	16
	kW	HP	Q (l/min)	100	117	133	200	233.3	267
EDH(m)10-10	0.75	1.0	H (m)	13.5	12	10.5	8.5	5.5	-
EDH(m)10-20	1.1	1.5		27	25.5	23	20.5	16	10.5
EDH(m)10-30	1.5	2.0		41.5	39.5	36	32	25.5	17.5
EDH(m)10-40	2.2	3.0		56.5	54	50	44.5	36	26
EDH10-50	3.0	4.0		72	69	64	58	47	32.5

Dimension



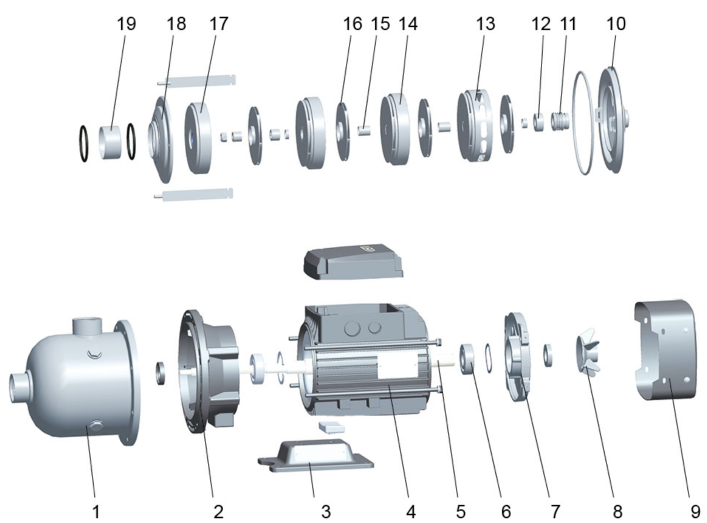
Model	L	A	C	D	E	F	G	H	J	M	N
EDH(m)10-10	568	278	138	160	108	130	G2	245	120	Φ233	140
EDH(m)10-20	568	278	138	160	108	130	G2	245	120	Φ233	140
EDH(m)10-30	626	287	138	160	108	130	G2	245	120	Φ233	140
EDH(m)10-40	626	287	138	160	108	130	G2	248	120	Φ233	140
EDH10-50	642	278	190	220	170	200	G2	245	120	Φ233	140

Hydraulic Performance Curves



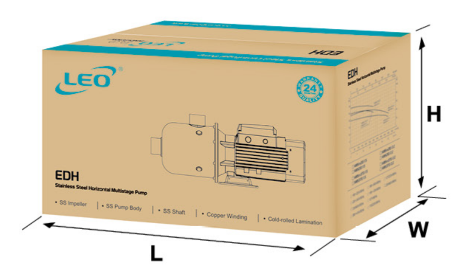
Materials Table

No.	Part	Material
1	Pump body	AISI 304
2	Support	ZL102
3	Bottom plate	Cast iron
4	Stator	
5	Rotor	
6	Bearing	
7	Rear cover	ZL102
8	Fan	PP
9	Fan cover	08F
10	Bracket cover	AISI 304
11	Mechanical seal	Sic/Carbon
12	Positioning sleeve	AISI 304
13	Diffuser 3	AISI 304
14	Diffuser 2	AISI 304
15	Sleeve	AISI 304
16	Impeller	AISI 304
17	Diffuser 1	AISI 304
18	Pressure plate	AISI 304
19	Spacer bush	AISI 304



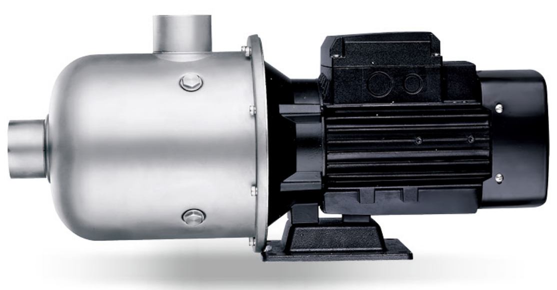
Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EDH(m)10-10	19.25	610	265	338	474
EDH(m)10-20	21.55	610	265	338	474
EDH(m)10-30	25.4	660	265	338	432
EDH(m)10-40	28.3	660	265	338	432
EDH10-50	36	675	265	338	432



EDH

Stainless Steel Horizontal Multistage Pump



Application

- It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc.

Pump

- AISI 304 shaft
- Max.liquid temperature: +85℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure
- Max.operation pressure: 10 bar
- Liquid PH value: 4 - 10

Motor

- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IP55
- Max. ambient temperature: +40℃

Identification Codes

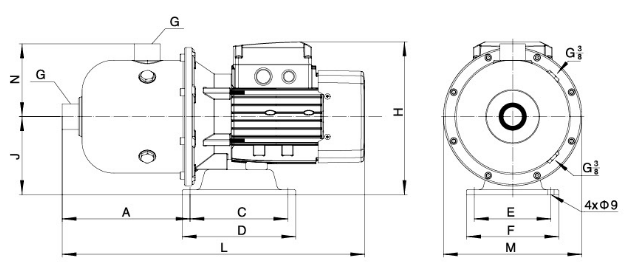
EDH(m)15-30

- Impeller Stage x 10
- Rated Flow (m^3/h)
- Single Phase (Three-phase model without m)
- Stainless Steel Horizontal Multistage Pump

Technical Data

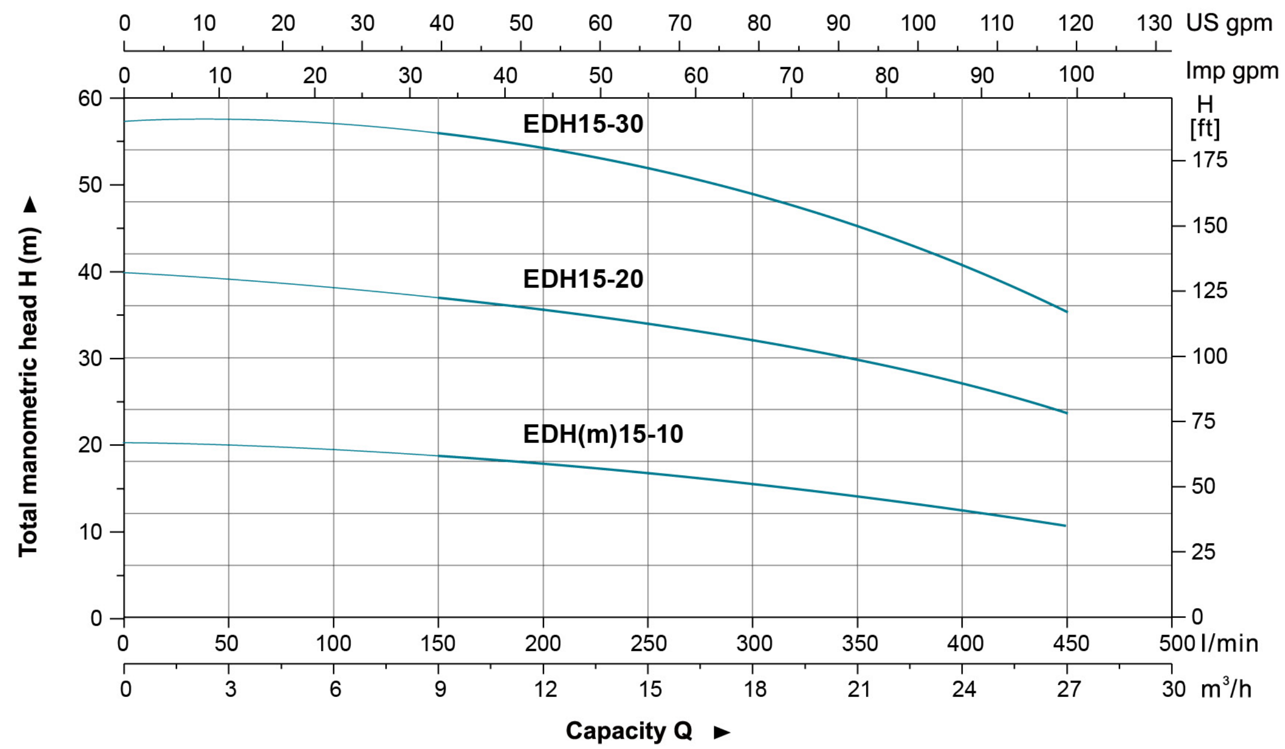
Model	Power (P2)		Q (m^3/h)	6	9	12	15	18	21	24	27
	kW	HP	Q (l/min)	100	150	200	250	300	350	400	450
EDH(m)15-10	1.5	2.0	H (m)	19.5	18.5	18	16	16	14.5	13	11
EDH15-20	3	4.0		38	37	36	34	32	29.5	26.5	24
EDH15-30	4	5.5		56	55.5	54	52	49	44.5	40.5	35.5

Dimension



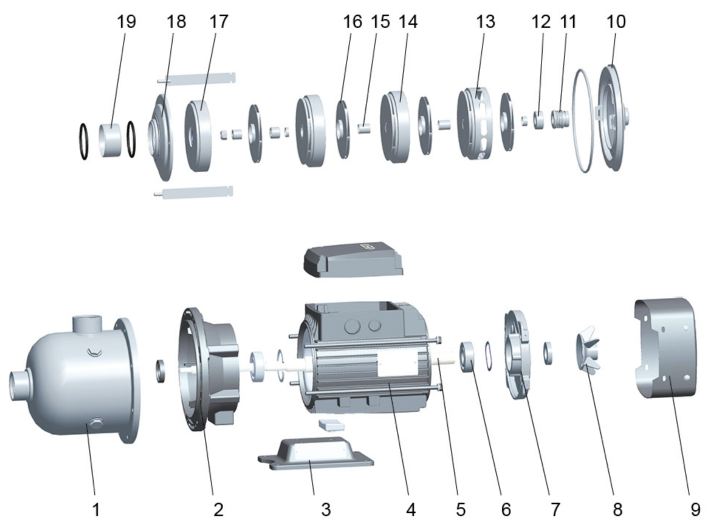
Model	L	A	C	D	E	F	G	H	J	M	N
EDH(m)15-10	626	287	138	160	108	130	G2	248	120	Φ233	140
EDH15-20	642	278	190	220	170	200	G2	245	120	Φ233	140
EDH15-30	642	278	190	220	170	200	G2	245	120	Φ233	140

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	AISI 304
2	Support	ZL102
3	Bottom plate	Cast iron
4	Stator	
5	Rotor	
6	Bearing	
7	Rear cover	ZL102
8	Fan	PP
9	Fan cover	08F
10	Bracket cover	AISI 304
11	Mechanical seal	Sic/Carbon
12	Positioning sleeve	AISI 304
13	Diffuser 3	AISI 304
14	Diffuser 2	AISI 304
15	Sleeve	AISI 304
16	Impeller	AISI 304
17	Diffuser 1	AISI 304
18	Pressure plate	AISI 304
19	Spacer bush	AISI 304



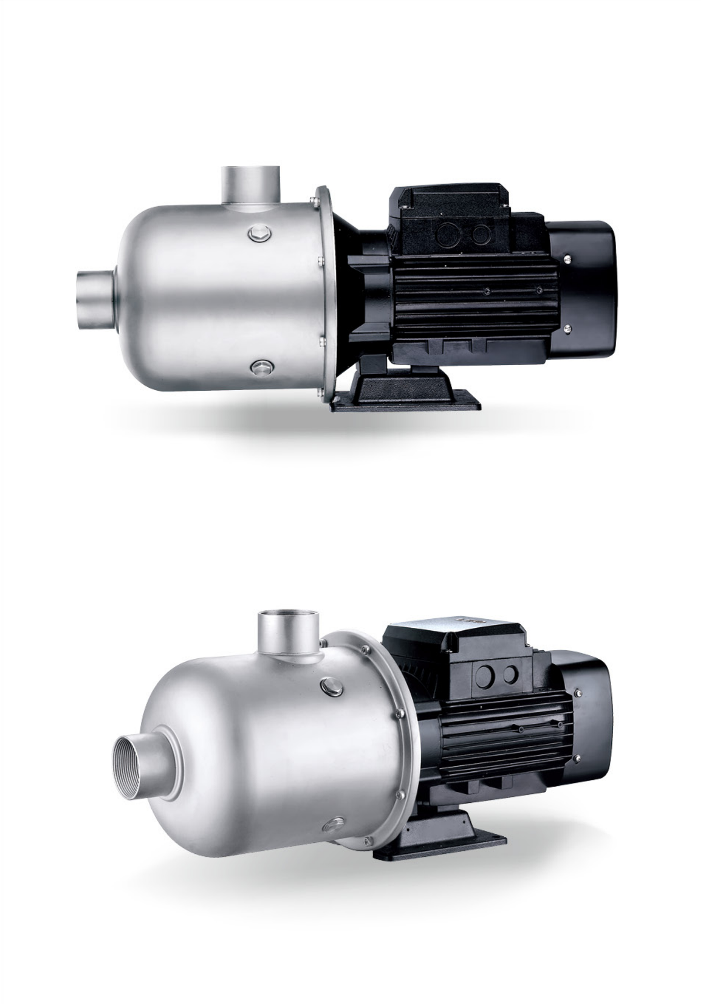
Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EDH(m)15-10	25	660	265	338	432
EDH15-20	35.4	675	265	338	432
EDH15-30	37.9	675	265	338	432

EDH

EDH

Stainless Steel Horizontal Multistage Pump



Application

- It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc.

Pump

- AISI 304 shaft
- Max. liquid temperature: +85℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure
- Max.operation pressure: 10 bar
- Liquid PH value: 4 - 10

Motor

- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IP55
- Max. ambient temperature: +40℃

Identification Codes

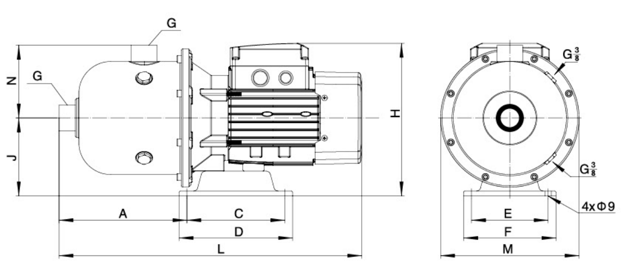
EDH(m)20-20

- 20 — Impeller Stage x 10
- 20 — Rated Flow (m^3/h)
- (m) — Single Phase (Three-phase model without m)
- EDH — Stainless Steel Horizontal Multistage Pump

Technical Data

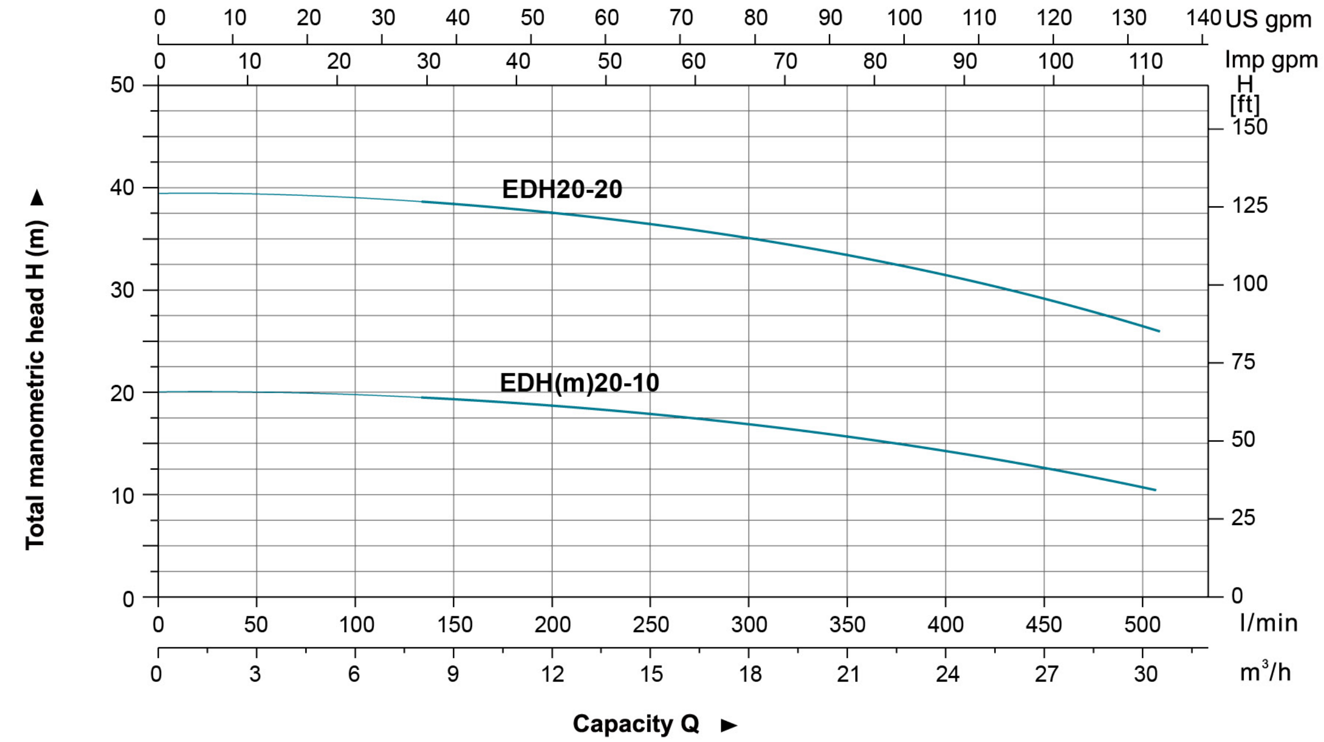
Model	Power (P2)		Q (m^3/h)	8	12	16	18	20	22	24	28	32
	kW	HP	Q (l/min)	117	200	267	300	333	367	400	467	517
EDH(m)20-10	1.5	2.0	H (m)	19	18.5	17.5	17	16	15.5	14.5	12	-
EDH20-20	3	4.0		37.5	37	35.5	35	34	32.5	31.5	28.5	25.5

Dimension



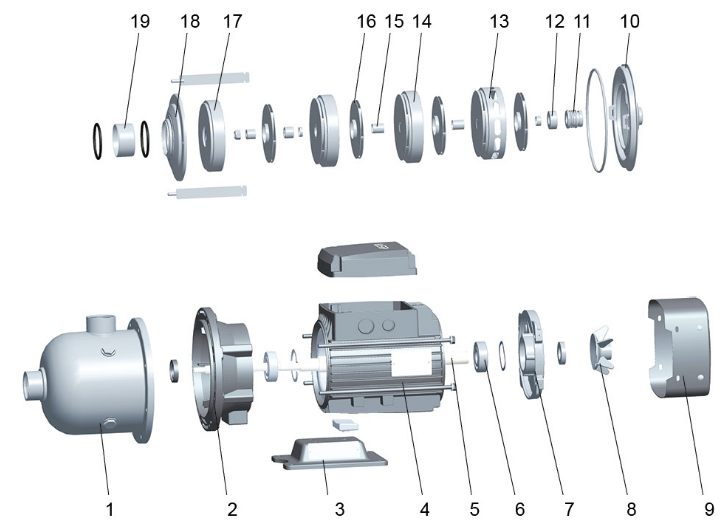
Model	L	A	C	D	E	F	G	H	J	M	N
EDH(m)20-10	626	287	138	160	108	130	G2	248	120	Φ233	140
EDH20-20	642	278	190	220	170	200	G2	245	120	Φ233	140

Hydraulic Performance Curves



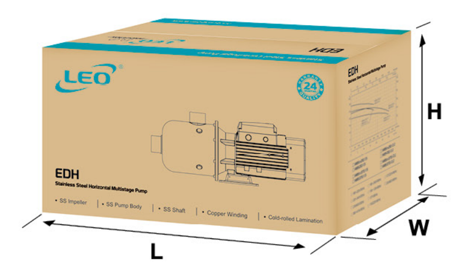
Materials Table

No.	Part	Material
1	Pump body	AISI 304
2	Support	ZL102
3	Bottom plate	Cast iron
4	Stator	
5	Rotor	
6	Bearing	
7	Rear cover	ZL102
8	Fan	PP
9	Fan cover	08F
10	Bracket cover	AISI 304
11	Mechanical seal	Sic/Carbon
12	Positioning sleeve	AISI 304
13	Diffuser 3	AISI 304
14	Diffuser 2	AISI 304
15	Sleeve	AISI 304
16	Impeller	AISI 304
17	Diffuser 1	AISI 304
18	Pressure plate	AISI 304
19	Spacer bush	AISI 304



Package Information

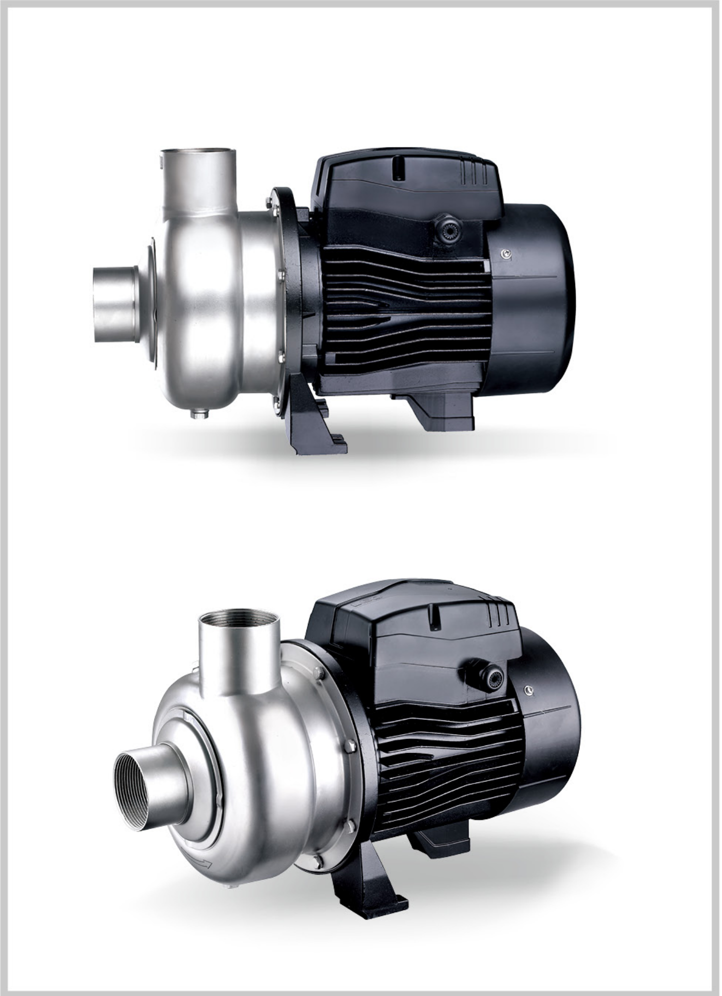
Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EDH(m)20-10	25	660	265	338	432
EDH20-20	35.4	675	265	338	432



EDH

ABK

Semi-open Impeller Stainless Steel Centrifugal Pump



Application

- Can be used to transfer liquids with light corrosive,requirement for health and containing impurities,etc.
- Suitable for industrial & domestic sewage system,food & beverage processing,farming,pumping water from river and lake,etc.
- Can be used at full head without overloading motor.

Pump

- AISI 304 pump body
- AISI 304 shaft
- Liquid temperature: -15℃ ~ +80℃
- Liquid PH value: 5 - 9
- Max.solid diameter: 19 mm

Motor

- Motor with copper winding
- Built-in thermal protector
- Insulation class: F
- Protection class: IPX4
- Max. temperature: +40°C

Identification Codes

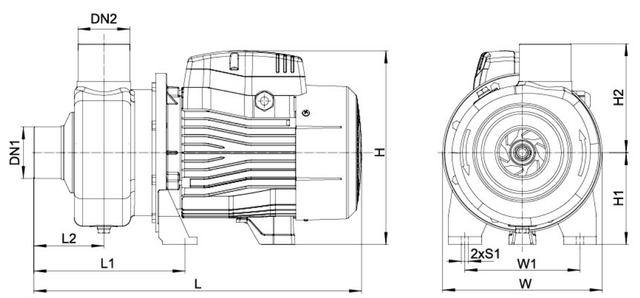
ABK 200 D

- D: Single Phase Motor (Omitted for three–phase motor)
- 200: Power x 100 (HP)
- ABK: Semi–open Impeller Pump

Technical Data

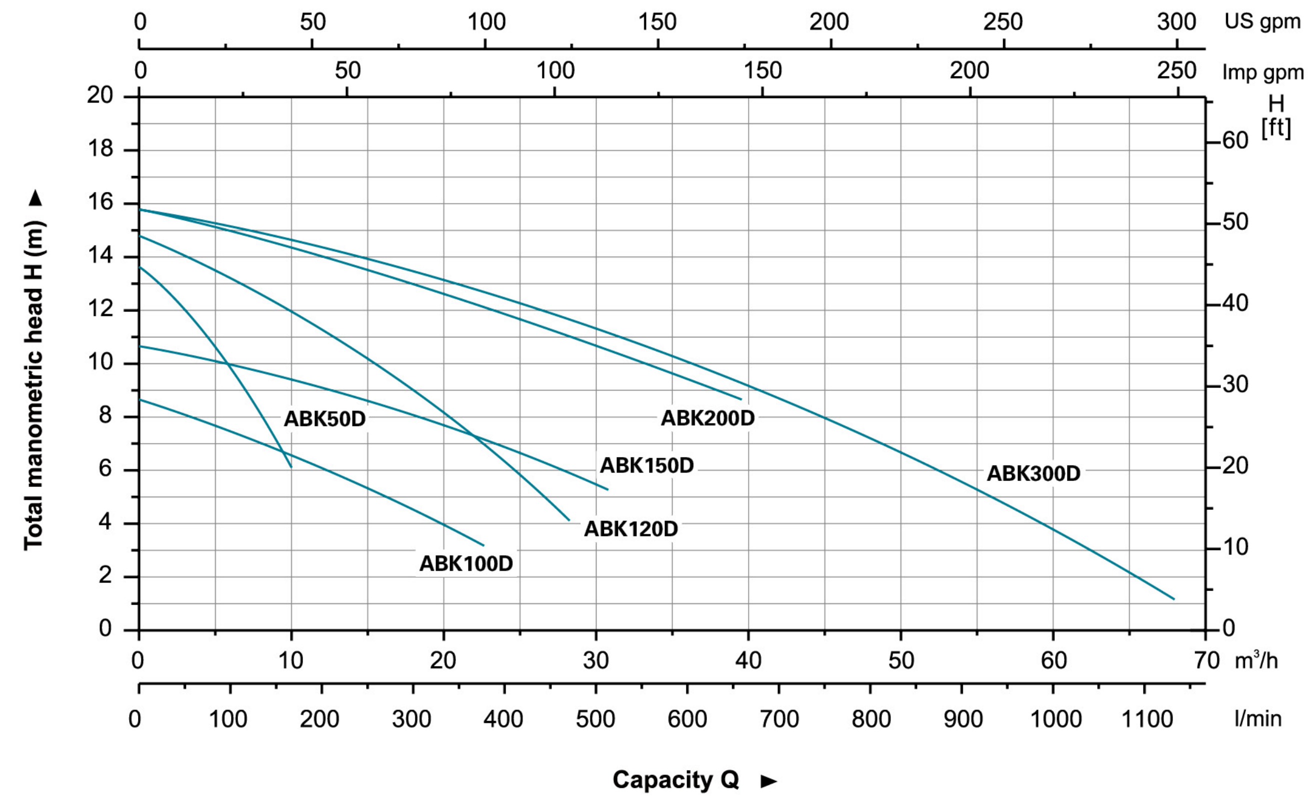
MODEL	POWER		Q (m^3/h)	1.2	2.4	3.6	4.8	6	12	18	24	33	42	48	57	Max.solid Dia (mm)
	kW	HP	Q (l/min)	20	40	60	80	100	200	300	400	550	700	800	950	
ABK50D	0.37	0.5	H (m)	13	12.3	11.2	9.8	9.8	-	-	-	-	-	-	-	9
ABK100D	0.75	1		-	-	-	-	7.4	6.2	4.5	-	-	-	-	-	12
ABK120D	0.9	1.2		-	-	-	-	12.8	11.2	9	-	-	-	-	-	12
ABK150D	1.1	1.5		-	-	-	-	10	9.2	8	6.8	-	-	-	-	12
ABK200D	1.5	2		-	-	-	-	14.8	13.7	13	11.9	10.2	-	-	-	16
ABK300D	2.2	3		-	-	-	-	15.3	14.5	13.6	12.3	10.5	8.6	7.2	4.8	16

Dimension



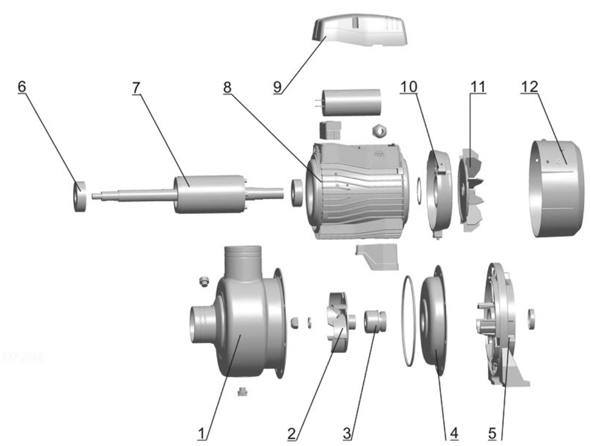
Model	Ports		L (mm)	L_1 (mm)	L_2 (mm)	H (mm)	H_1 (mm)	H_2 (mm)	W (mm)	W_1 (mm)	S_1 (mm)
	DN1	DN2									
ABK50(D)	1 1/4"	1"	280	123	50	180	90	106	170	105	9
ABK100(D)	1 1/2"	1 1/2"	332	160	76	212	100	118	170	120	9
ABK120(D)	1 1/2"	1 1/2"	332	160	76	212	100	118	170	120	9
ABK150(D)	2"	2"	400	184	85	235	112	133	195	140	9
ABK200(D)	2"	2"	400	184	85	235	112	133	195	140	9
ABK300(D)	2 1/2"	2"	450	184	85	252	117	133	195	140	9

Hydraulic Performance Curves



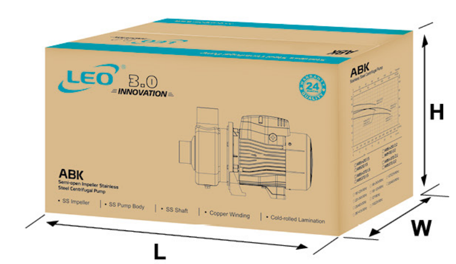
Materials Table

No.	Part	Material
1	Pump body	AISI 304
2	Impeller	AISI 304
3	Mechnical seal	Sic/Carbon
4	Bracket cover	AISI 304
5	Support	ZL102
6	Bearing	
7	Rotor	
8	Stator	
9	Terminal box	PC/ABS
10	Rear cover	ZL102
11	Fan	PP-GF30
12	Fan cover	08F



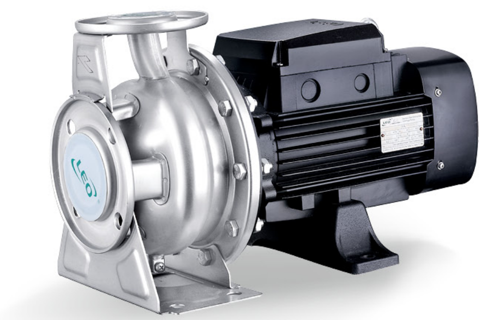
Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ABK50(D)	6.5	310	190	215	2130
ABK100(D)	9.6	360	200	235	1566
ABK120(D)	10.7	360	200	235	1566
ABK150(D)	14	420	235	265	1032
ABK200(D)	15.7	420	235	265	1032
ABK300(D)	20.7	475	230	275	864

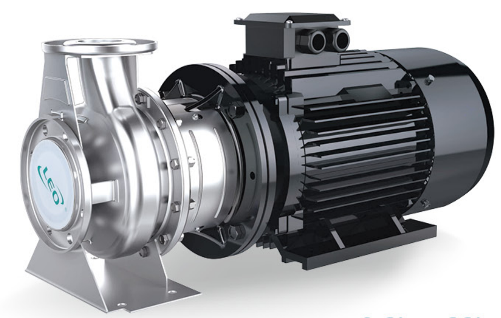


ABK

XZS
Stainless Steel Standard Centrifugal Pump



1.1kw~7.5kw



9.2kw~22kw

Application

- Water supply: filtration and trasfer at waterworks, regional water supply and pressure boosting in main pipe
- Industrial pressure boosting: Water system, cleaning system
- Industrial water supply: boiler feeding, cooling system, air conditioning, transportation of light acid and alkali liquid
- Water treatment: distillation systems, separators, swimming pools
- Agricultural irrigation, petrochemical industry, medicine and santation, etc.

Operating Conditions

- Thin, clean, non-flammable and explosive, not containing the liquid with solid particles and fibers
- Liquid temperature: -15℃ - +80℃
- Flow range: 0.7 - 132 m^3/h
- Head range: 9 - 58 m
- Ambient temperature range: -15℃ - + 40℃
- Max. operation: 10 bar
- Altitude: up to 1000 m
- Liquid PH valve: 3 - 9
- Max.ambient temperature: +40℃

Motor

- IE2 Motor (IE3 motor availableon request for power≥9.2kw)
- Totally enclosed & fan-cooled
- Protection class: IP55
- Insulation class: F

Identification Codes

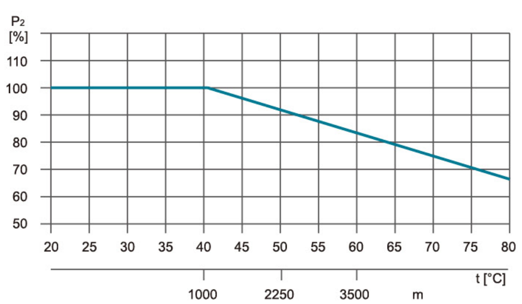
XZS 65– 50– 160/40

- Rated Power (x100 W)
- Impeller Nominal Diameter (mm)
- Outlet Diameter (mm)
- Inlet Diameter (mm)
- LEO Stainless Steel Standard Centrifugal Pump

Ambient Temperature

Max. Ambient temperature: +40°C. Ambient temperature above 40°C, or installation at altitude of more than 1000 m above sea level, require the use of an oversize motor. Because of low air density and poor cooling effects, the motor output power P2 will be decreased. See the picture.

For example, when the pump is installed at altitude of more than 3500 m above sea level, P2 will be decrease to 88%. When the ambient temperature is 70°C, P2 will be decreased to 78%.



Accessories on Request

AISI304 Threaded flange

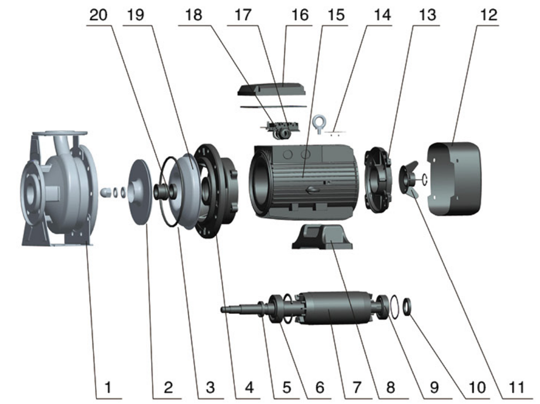
Flange gasket

Materials Table

1.1kw~7.5kw

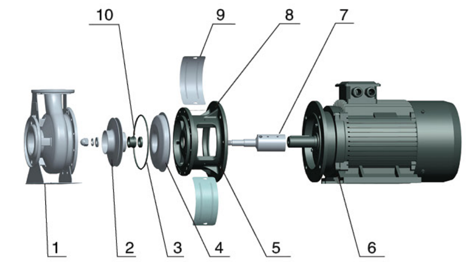
No.	Part	Material
1	Pump body	06Cr19Ni10
2	Impeller	06Cr19Ni10
3	O-ring	NBR
4	Support	HT200
5	Oil seal	
6	Bearing	
7	Rotor	
8	Stand	HT200
9	Bearing	
10	Oil seal	

No.	Part	Material
11	Fan	PP
12	Fan cover	08F
13	Rear cover	ZL102
14	Nameplate	06Cr19Ni10
15	Stator	
16	Terminal cover	ZL102
17	Terminal board	
18	Cable holder	
19	Support cover	06Cr19Ni10
20	Mechanical seal	

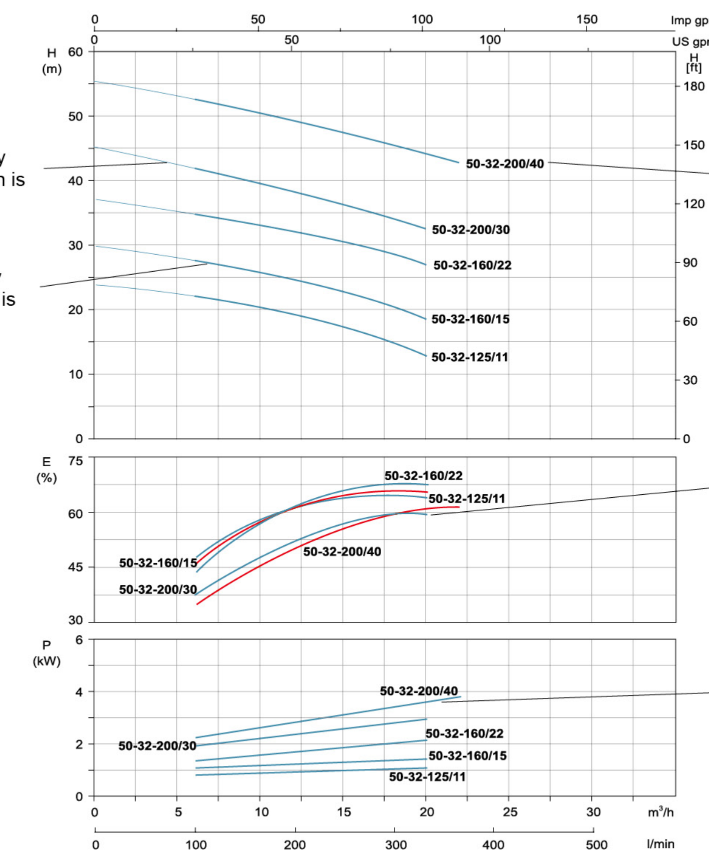


9.2kw~22kw

No.	Part	Material
1	Pump body	06Cr19Ni10
2	Impeller	06Cr19Ni10
3	O-ring	NBR
4	Support cover	06Cr19Ni10
5	Support	HT200
6	Motor	
7	Rotor	06Cr19Ni10/45
8	Nameplate	06Cr19Ni10
9	Guard plate	06Cr19Ni10
10	Mechanical seal	



How to Read The Curve Charts



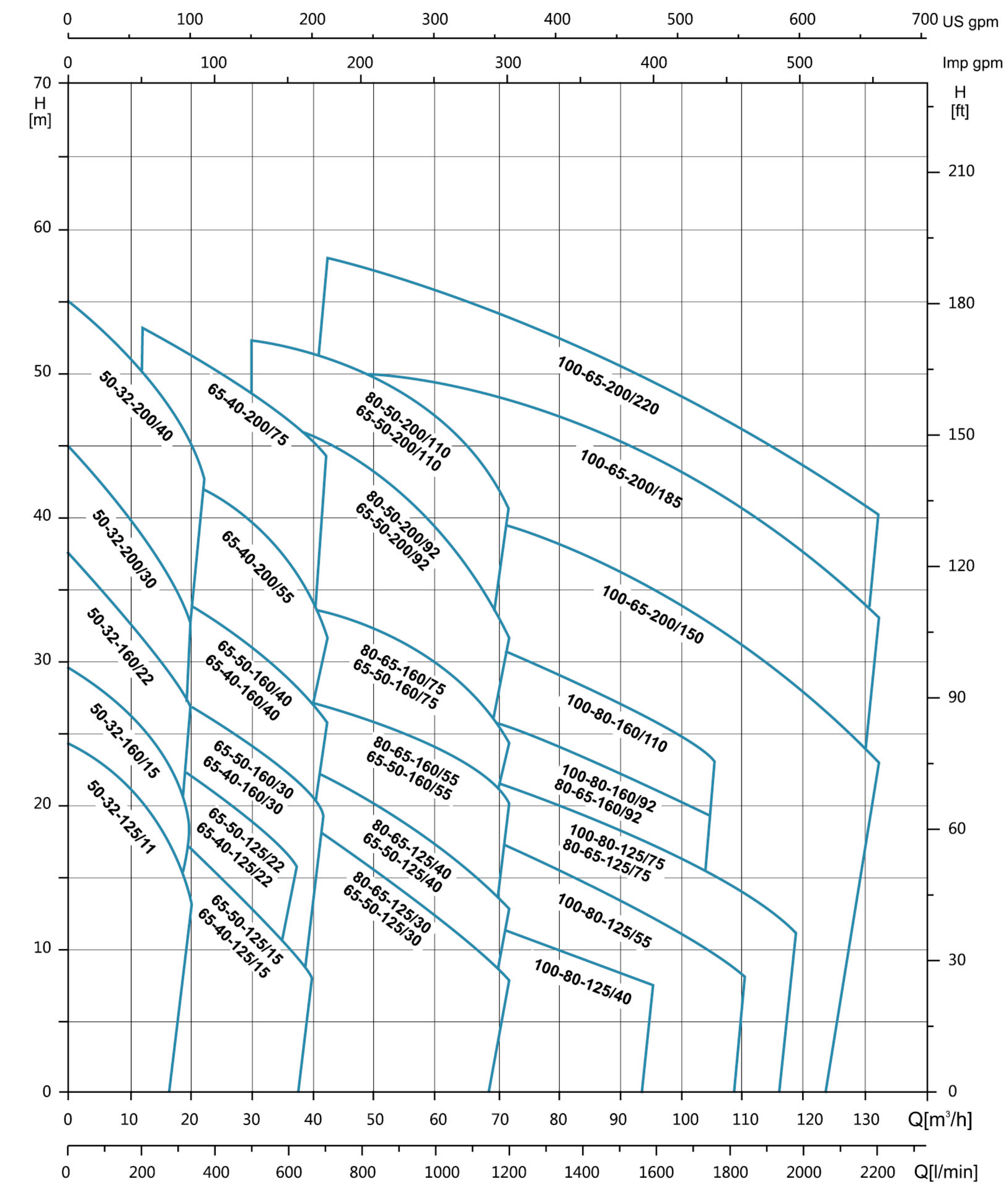
Technical Data

MODEL		Power		Q (m³/h)	0	6	9	12	18	20	22	24	27	30	36	42	48	60	72	90	108	114	120	126	132
GB5662 Standard	EN733 Standard	kW	HP	Q (l/min)	0	100	150	200	300	333	360	400	450	500	600	700	800	1000	1200	1500	1800	1900	2000	2100	2200
XZS50-32-125/11		1.1	1.5		24	21.5	20.5	19.5	16	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XZS50-32-160/15		1.5	2		29.5	27	26	25	21	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XZS50-32-160/22		2.2	3		37	33.5	32.5	32	28.5	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XZS50-32-200/30		3	4		45	41	40	38	34	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XZS50-32-200/40		4	5.5		55	51	50	49	46	45	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XZS65-50-125/15	XZS65-40-125/15	1.5	2		20	-	-	19	18	17	16.5	15	14	12.5	10	-	-	-	-	-	-	-	-	-	-
XZS65-50-125/22	XZS65-40-125/22	2.2	3		26	-	-	23.5	22.5	22	21.5	21	20.5	19.5	16.5	-	-	-	-	-	-	-	-	-	-
XZS65-50-160/30	XZS65-40-160/30	3	4		31	-	-	29	27.5	27	26.5	25.5	25	24	22	19	-	-	-	-	-	-	-	-	-
XZS65-50-160/40	XZS65-40-160/40	4	5.5		39	-	-	35.5	34.5	34	33.5	32.5	32	31	29	26	-	-	-	-	-	-	-	-	-
XZS65-40-200/55		5.5	7.5		47	-	-	43	42.5	42	41.5	41	40.5	39	37	33	-	-	-	-	-	-	-	-	-
XZS65-40-200/75		7.5	10		57	-	-	53	52.5	52	51	50	49	48	46.5	44.5	-	-	-	-	-	-	-	-	-
XZS80-65-125/30	XZS65-50-125/30	3	4		22.5	-	-	-	-	-	-	20	19.5	19	18.5	17.5	16	13	9	-	-	-	-	-	-
XZS80-65-125/40	XZS65-50-125/40	4	5.5	H (m)	25.5	-	-	-	-	-	-	23	22.5	22	21.5	20.5	20	17	13.5	-	-	-	-	-	-
XZS80-65-160/55	XZS65-50-160/55	5.5	7.5		33	-	-	-	-	-	-	29.5	29	28.5	28	27	26	24	20	-	-	-	-	-	-
XZS80-65-160/75	XZS65-50-160/75	7.5	10		39	-	-	-	-	-	-	36	35	34.5	34	33.5	32.5	29	24	-	-	-	-	-	-
*XZS80-50-200/92	XZS65-50-200/92	9.2	12.5		53	-	-	-	-	-	-	-	-	48	47.5	46.5	44.5	39.5	34	-	-	-	-	-	-
*XZS80-50-200/110	XZS65-50-200/110	11	15		57.5	-	-	-	-	-	-	-	-	53	51	50.5	50	47	41	-	-	-	-	-	-
XZS100-80-125/40		4	5.5		20	-	-	-	-	-	-	-	-	-	17.5	16.5	15.5	14	12	7	-	-	-	-	-
XZS100-80-125/55		5.5	7.5		23	-	-	-	-	-	-	-	-	-	21.5	20.5	20	18	16	12	7.5	-	-	-	-
XZS100-80-125/75	XZS80-65-125/75	7.5	10		29	-	-	-	-	-	-	-	-	-	27.5	26.5	25.5	23.5	21.5	17.5	13	12	-	-	-
*XZS100-80-160/92	XZS80-65-160/92	9.2	12.5		33	-	-	-	-	-	-	-	-	-	-	31	30	28	26	23	-	-	-	-	-
*XZS100-80-160/110	XZS80-65-160/110	11	15		38.5	-	-	-	-	-	-	-	-	-	-	36	35	33	31	28	-	-	-	-	-
* XZS100-65-200/150		15	20		47	-	-	-	-	-	-	-	-	-	-	44	43	41	39	36	32	30	28	26	23
* XZS100-65-200/185		18.5	25		53	-	-	-	-	-	-	-	-	-	-	51	50	49	48	45	41	39	37	35	33
* XZS100-65-200/220		22	30		58	-	-	-	-	-	-	-	-	-	-	57	56	55	54	51	47	45.5	44	42	40

* =IE3 motor optional on request.

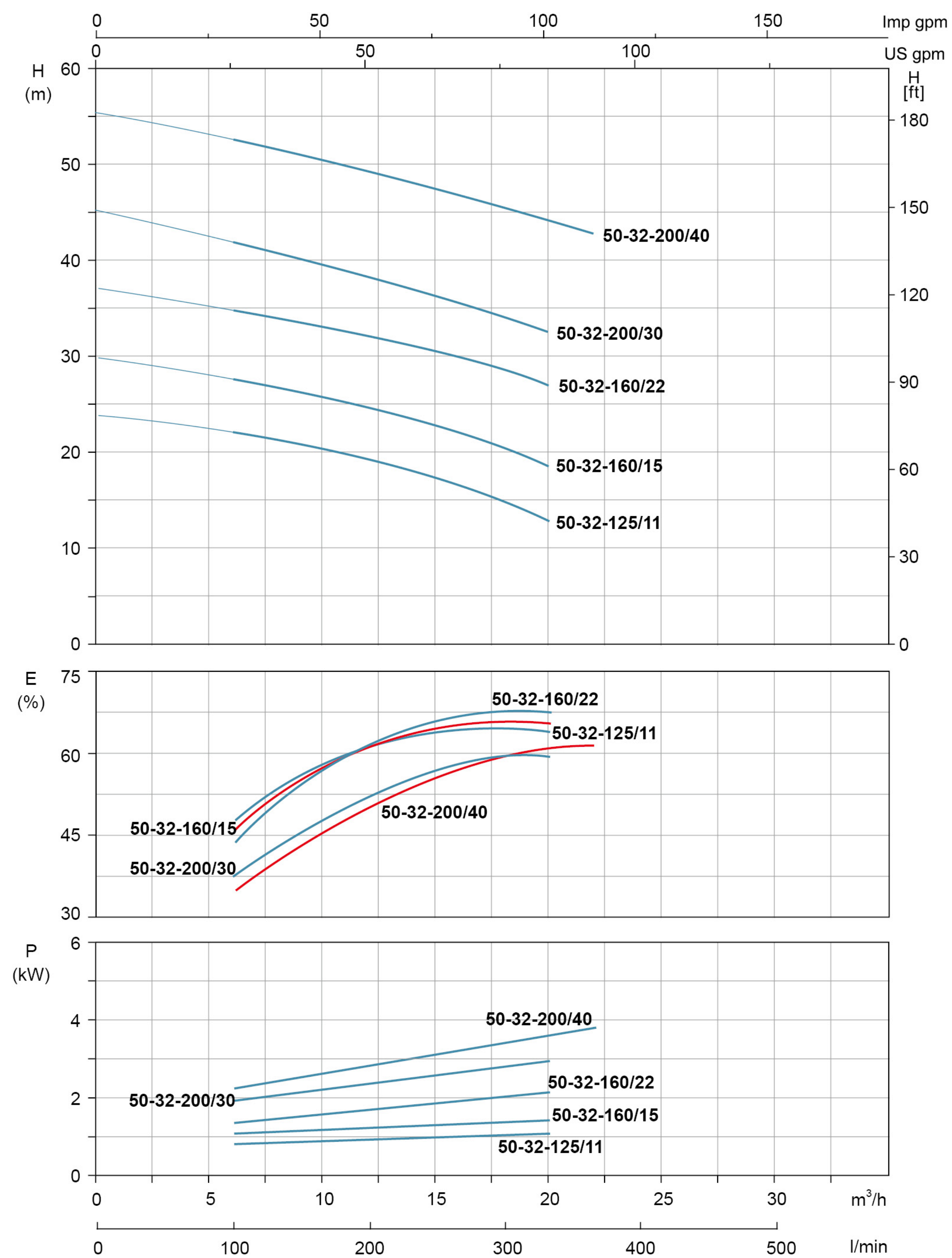
Characteristic Curves

XZS	~3450rpm



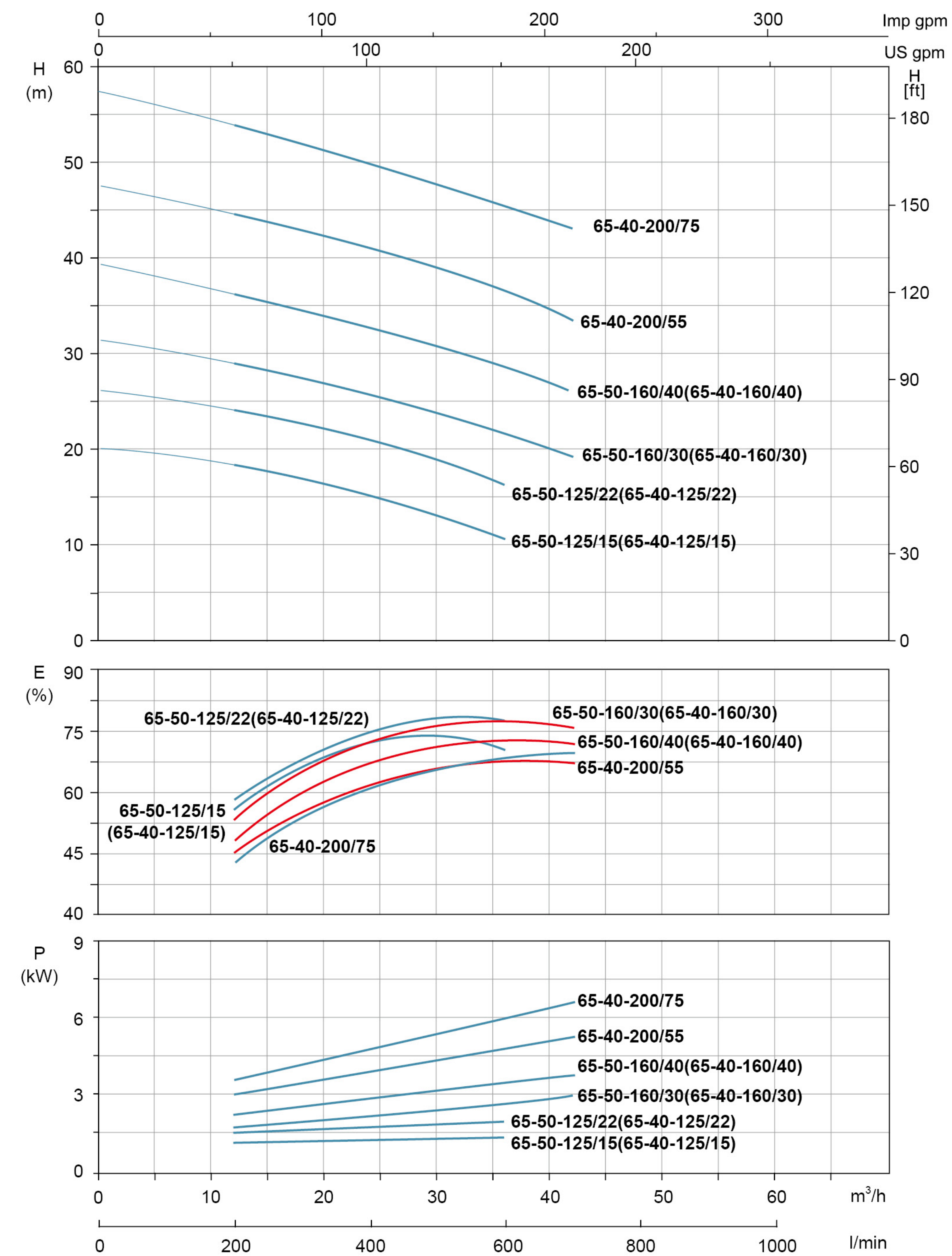
Hydraulic Performance Curves

XZS50-32	~3450rpm



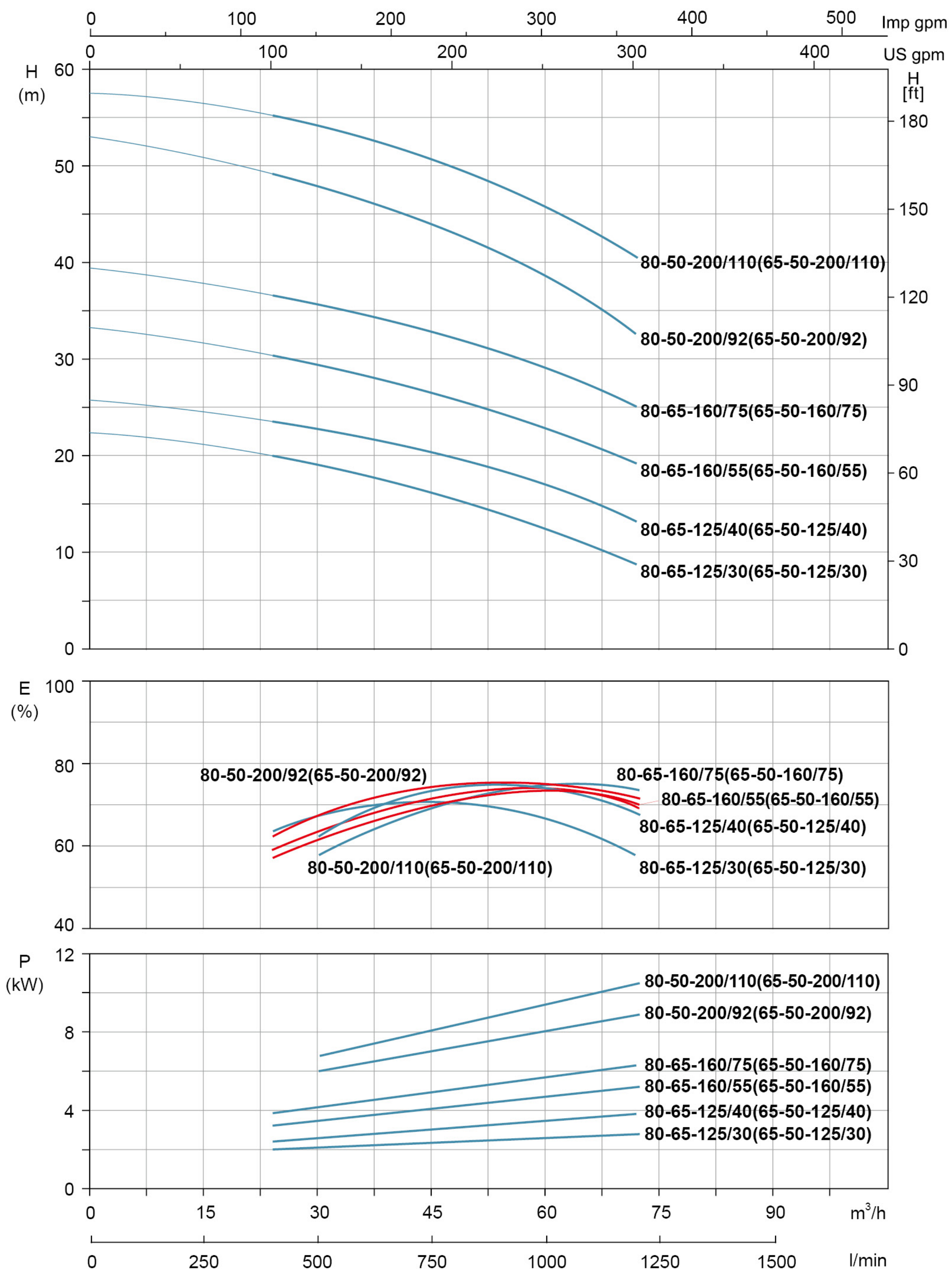
Hydraulic Performance Curves

XZS65-40/50	~3450rpm



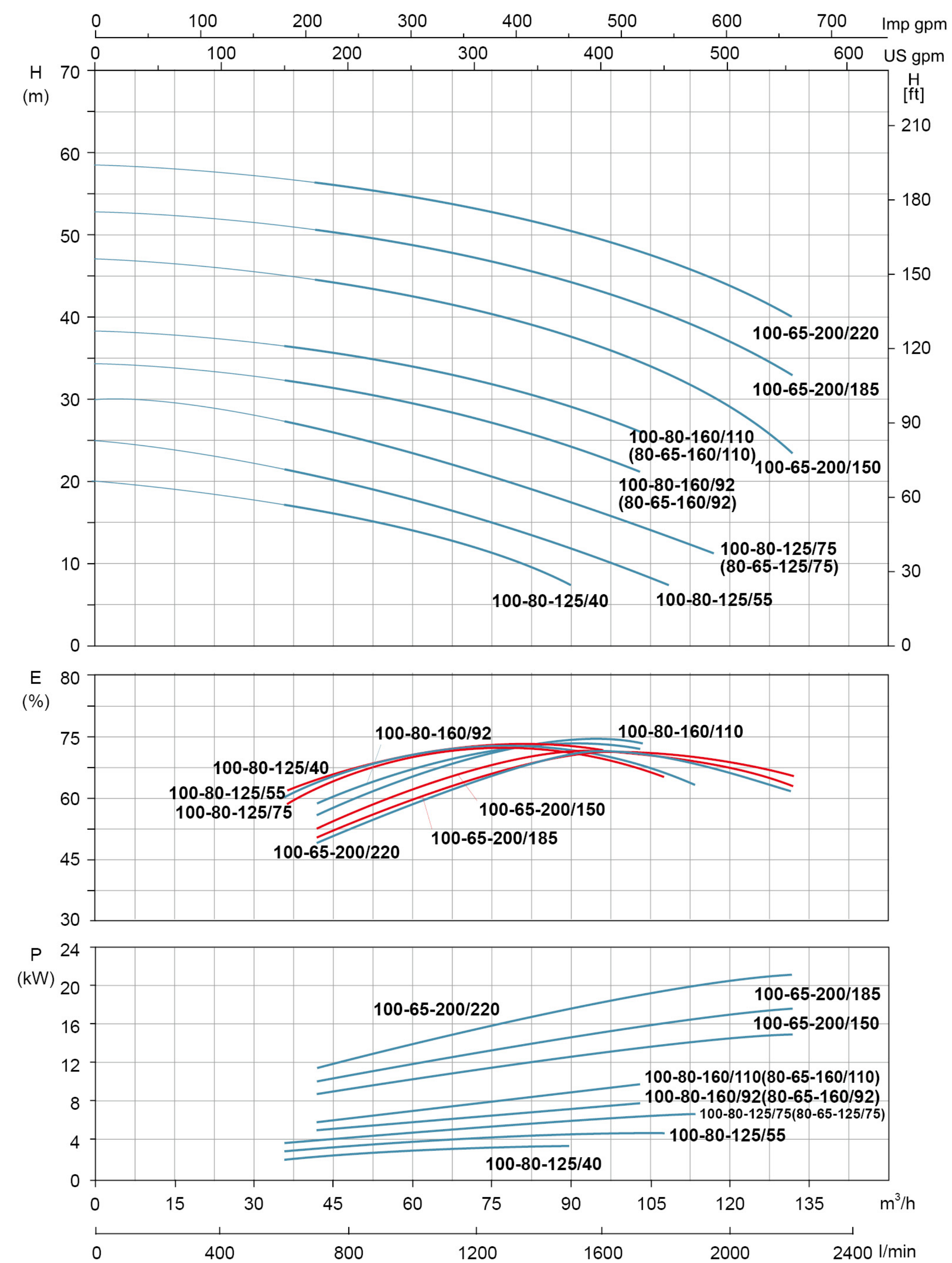
Hydraulic Performance Curves

XZS80-50/65	~3450rpm



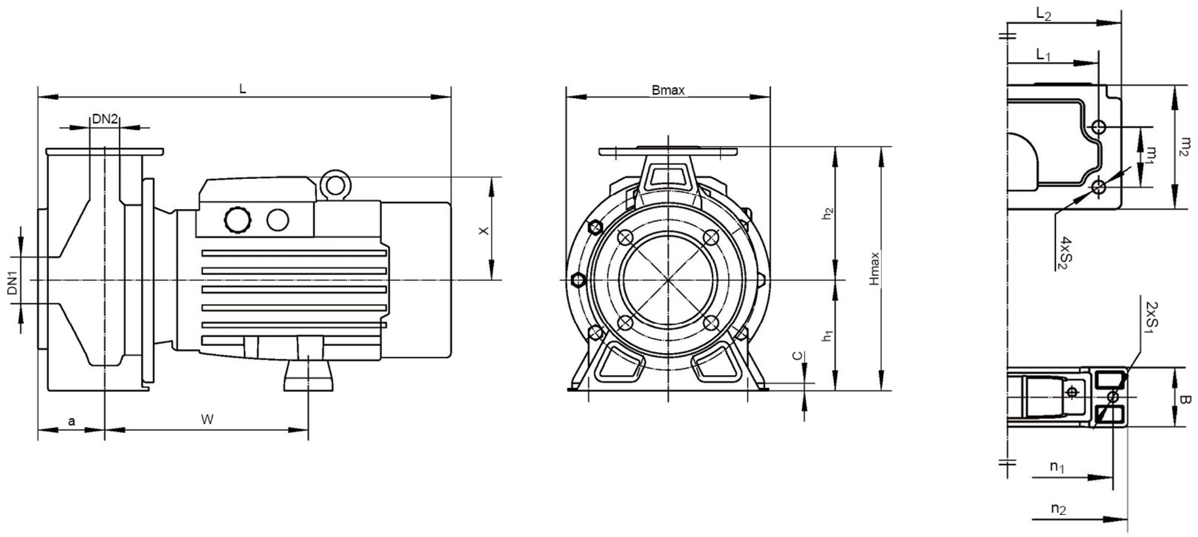
Hydraulic Performance Curves

XZS100-65/80	~3450rpm



Installation Sketch

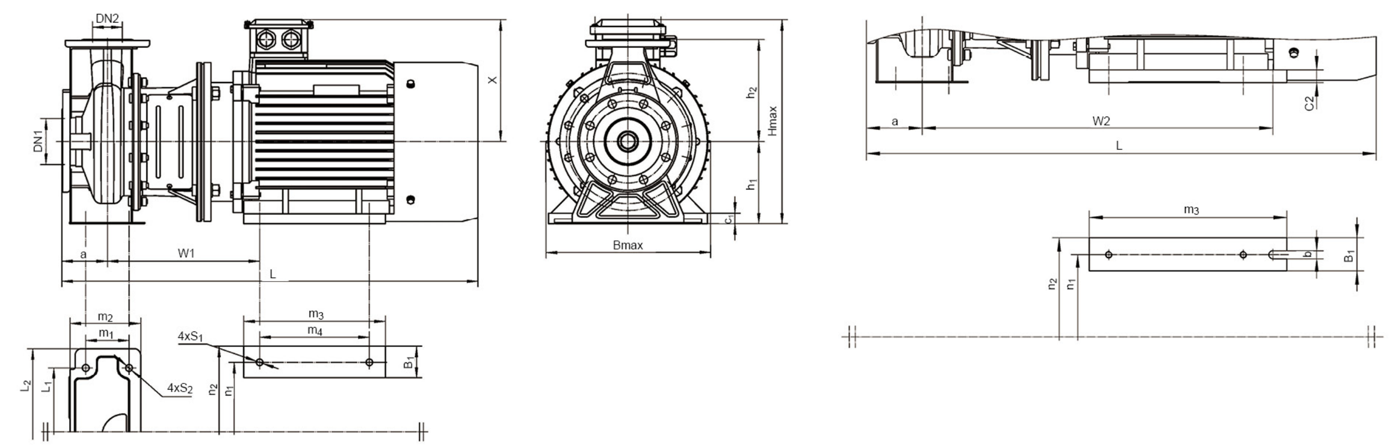
≤7.5 kW



Model	DN1	DN2	a	w	L1	L2	m1	m2	n1	n2	h1	h2	2-S1	4-S2	B	C	X	Bmax	Hmax	L
XZS50-32-125/11	50	32	80	205	140	190	70	122	205	240	112	140	2-Ø12	4-Ø15	65	12	127	240	250	475
XZS50-32-160/15	50	32	80	207	190	240	70	122	205	240	132	160	2-Ø12	4-Ø15	65	12	127	244	292	477
XZS50-32-160/22	50	32	80	207	190	240	70	122	205	240	132	160	2-Ø12	4-Ø15	65	12	127	244	292	477
XZS50-32-200/30	50	32	80	244	190	240	70	124	225	260	160	180	2-Ø12	4-Ø15	75	15	124	295	340	492
XZS50-32-200/40	50	32	80	244	190	240	70	124	225	260	160	180	2-Ø12	4-Ø15	75	15	124	295	340	492
XZS65-50-125/15	65	50	80	205	160	210	70	121	205	240	112	140	2-Ø12	4-Ø15	65	12	127	240	252	475
XZS65-50-125/22	65	50	80	205	160	210	70	121	205	240	112	140	2-Ø12	4-Ø15	65	12	127	240	252	475
XZS65-50-160/30	65	50	80	244	190	240	70	123	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292	492
XZS65-50-160/40	65	50	80	244	190	240	70	123	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292	492
XZS65-40-200/55	65	40	40	246	212	265	70	146	245	280	160	180	2-Ø12	4-Ø15	70	15	142	295	340	563
XZS65-40-200/75	65	40	40	246	212	265	70	146	245	280	160	180	2-Ø12	4-Ø15	70	15	142	295	340	563
XZS80-65-125/30	80	65	65	254	190	240	70	158	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292	522
XZS80-65-125/40	80	65	65	254	190	240	70	158	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292	522
XZS80-65-160/55	80	65	65	256	212	265	70	150	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340	573
XZS80-65-160/75	80	65	65	256	212	265	70	150	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340	573
XZS100-80-125/40	100	80	80	256	212	280	95	155	225	260	160	180	2-Ø12	4-Ø15	75	15	124	280	340	524
XZS100-80-125/55	100	80	80	258	212	280	95	155	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340	575
XZS100-80-125/75	100	80	80	258	212	280	95	155	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340	575
XZS65-40-125/15	65	40	80	205	160	210	70	121	205	240	112	140	2-Ø12	4-Ø15	65	12	127	240	252	475
XZS65-40-125/22	65	40	80	205	160	210	70	121	205	240	112	140	2-Ø12	4-Ø15	65	12	127	240	252	475
XZS65-40-160/30	65	40	80	244	190	240	70	123	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292	492
XZS65-40-160/40	65	40	80	244	190	240	70	123	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292	492
XZS65-50-125/30	65	50	100	254	190	240	70	158	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292	522
XZS65-50-125/40	65	50	100	254	190	240	70	158	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292	522
XZS65-50-160/55	65	50	100	256	212	265	70	150	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340	573
XZS65-50-160/75	65	50	100	256	212	265	70	150	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340	573
XZS80-65-125/75	80	65	100	258	212	280	95	155	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340	575

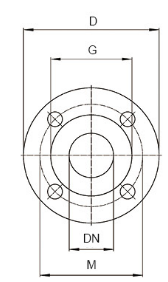
Installation Sketch

≥ 9.2 kW



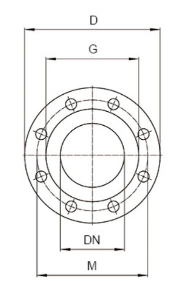
Model	DN1	DN2	a	w1	w2	L1	L2	m1	m2	m3	m4	n1	n2	h1	h2	4-S1	4-S2	B1	b	c1	c2	X	Bmax	Hmax	L
XZS80-50-200/92	80	50	100	314	-	212	265	70	146	210	260	254	320	160	200	4-Φ14.5	4-Φ14	65	-	20	-	260	350	420	816
XZS80-50-200/110	80	50	100	314	-	212	265	70	146	210	260	254	320	160	200	4-Φ14.5	4-Φ14	65	-	20	-	260	350	420	816
XZS100-80-160/92	100	80	100	321	-	212	280	95	155	260	210	254	320	160	200	4-Φ14.5	4-Φ14	65	-	20	-	260	350	420	823
XZS100-80-160/110	100	80	100	321	-	212	280	95	155	260	210	254	320	160	200	4-Φ14.5	4-Φ14	65	-	20	-	260	350	420	823
XZS100-65-200/150	100	65	100	-	581	250	320	95	155	310	-	254	314	180	225	-	4-Φ14	60	14.5	-	20	260	350	440	823
XZS100-65-200/185	100	65	100	-	625	250	320	95	155	354	-	254	314	180	225	-	4-Φ14	60	14.5	-	20	260	350	440	868
XZS100-65-200/220	100	65	100	334	-	250	320	95	155	311	241	279	355	180	225	4-Φ14.5	4-Φ14	70	-	22	-	280	355	460	913
XZS65-50-200/92	65	50	100	314	-	212	265	70	146	210	260	254	320	160	200	4-Φ14.5	4-Φ15	65	-	-	-	260	350	420	816
XZS65-50-200/110	65	50	100	314	-	212	265	70	146	210	260	254	320	160	200	4-Φ14.5	4-Φ15	65	-	-	-	260	350	420	816
XZS80-65-160/92	80	65	100	321	-	212	280	95	155	260	210	254	320	160	200	4-Φ14.5	4-Φ15	65	-	-	-	260	350	420	823
XZS80-65-160/110	80	65	100	321	-	212	280	95	155	260	210	254	320	160	200	4-Φ14.5	4-Φ15	65	-	-	-	260	350	420	823

Flange Dimensions



PN16 FLANGES

DN	D	M	G	Holes		Max. Thickness
				N°	Ø	
Ø32	140	100	76	4	18	14
Ø40	150	110	84	4	18	14.5
Ø50	165	125	99	4	18	15
Ø65	185	145	118	4	18	16
Ø80	200	160	132	4	18	18



PN16 FLANGES

DN	D	M	G	Holes		Max. Thickness
				N°	Ø	
Ø100	220	180	152	8	18	18

LVS/LVR

Stainless Steel Vertical Multistage Pump

Application

- Suitable for transferring liquids of low viscosity, non-inflammable and non-explosive, not containing solid particles or fibers
- Water supply & drainage for high-rise buildings, filtration and transfer at waterworks, pressure boosting in main pipe
- Washing and cleaning systems, boiler feeding, cooling water circulation, water treatment systems, auxiliary system, support equipment
- Ultra-filtration systems, reverse-osmosis systems, distillation systems, separators, swimming pools
- Agricultural irrigation: sprinkler irrigation, drip-feed irrigation
- Food & beverage industry
- Fire-fighting system

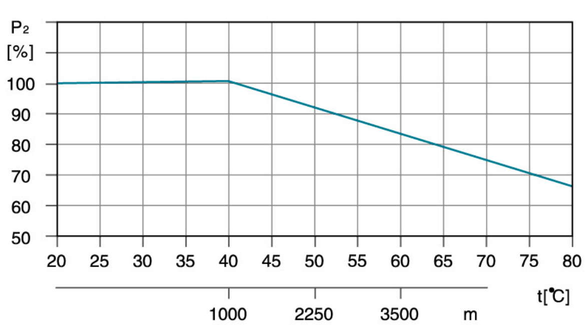
Operating Conditions

- Low viscosity, non-inflammable and non-explosive liquids not containing solid particles or fibers. The liquids must not chemically attack the pump materials. When pumping liquids with a density or viscosity is higher than that of water, a motor with a higher output power rating shall be used.
- Liquid temperature: -20℃~+120℃
- Flow ranges: 0.7-120 m³/h
- Liquid pH value: 4 - 10
- Max. ambient temperature: +40℃
- Max. operation pressure: 33 bar
- Altitude: up to 1000 m

Ambient Temperature

Max. ambient temperature: + 40℃. Ambient temperature above 40℃ or installation at altitude of more than 1000 meters above sea level require the use of an oversize motor. Because of low air density and poor cooling effects, the motor output power P_2 will be decreased. See the picture.

In such cases, it may be necessary to use a motor with a higher output power rating.



For example, when the pump is installed at altitude of more than 3500 meters above sea level, P_2 will be decreased to 88%. When the ambient temperature is 70℃, P_2 will be decreased to 78%.

Motor

- IE 2 motor (IE 3 motor optional)
- Totally enclosed & fan-cooled
- Protection class: IP55
- Standard voltage: 60Hz 1 x 220V/3 x 380V

Identification Codes

LVS 45 - 6 - 2 - B - K

- K: Pipeline Port Code (Omitted for DIN flange)
- B: AISI316 Stainless Steel Material (Omitted for AISI304)
- 2: Small Impeller Stages
- 6: Impeller Stages
- 45: Rated Flow (m³/h)
- LVS: LVS,LVR Vertical Multistage Pump Series

LVS: Stainless steel wetted parts
LVR: Cast iron base & pump cover

Identifications codes of flange structure

A: Oval flange; K: Clamp connector ;
G: Threaded connector

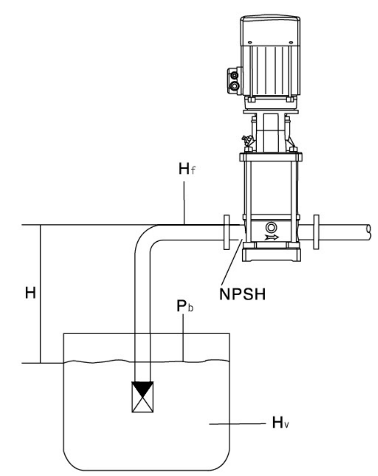
Minimum Inlet Pressure–Npsh

Calculation of the inlet pressure "H" is recommended in these situations:
The liquid temperature is high.
The flow is significantly higher than the rated flow.
Water is drawn from depths.
Water is drawn through long pipes.
Inlet conditions are poor.

To avoid cavitation, make sure that there is a minimum pressure on the suction side of the pump. The maximum suction lift "H" in meters head can be calculated as follows:

H	$= P_b \times 10.2 - NPSH - H_f - H_v - H_s$
P_b	= Barometric pressure in bar. (Barometric pressure can be set to 1 bar). In closed systems, P_b indicates the system pressure in bar.
NPSH	= Net Positive Suction Head in meters head. (To be read from the NPSH curve at the highest flow the pump will be delivering.)
H_f	= Friction loss in suction pipe in meters head. (At the highest flow the pump will be delivering.)
H_v	= Vapor pressure in meters head. (To be read from the vapor pressure scale. "H_v" depends on the liquid temperature "tm")
H_s	= Safety margin=minimum 0.5 meters head.

If the "H" calculated is positive, the pump can operate at a suction lift of maximum "H" meters head.
If the "H" calculated is negative, an inlet pressure of minimum "H" meters head is required.



tm [℃]	Hv [m]
190	126
180	100
170	79
160	62
150	45 40
140	35 30
130	25
120	20
110	15
100	12 10
90	8.0 6.0
80	5.0 4.0
70	3.0
60	2.0 1.5
50	1.0 0.8 0.6
40	
30	0.4 0.3
20	0.2
10	0.1
0	

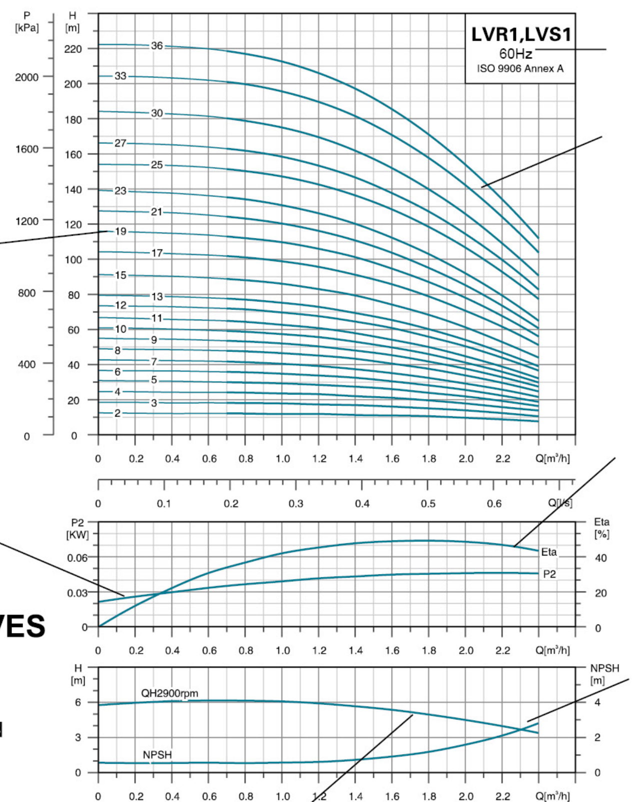
Note: To avoid cavitation, never select a pump with a duty point too far to the right on the NPSH curve. Always check the NPSH value of the pump at the highest possible flow.

Maximum Inlet Pressure

The following table shows the maximum permissible inlet pressure. However, the current inlet pressure + the pressure against a closed valve must always be lower than the Max. permissible operating pressure.
If the maximum permissible operating pressure is exceeded, the bearing in the motor may be damaged and the life of the shaft seal reduced.

Pump Model			Maximum Inlet Pressure [bar]
LVR1, LVS1			
1–2	—	1–25	10
1–26	—	1–27	15
LVR2, LVS2			
2–2	—	2–12	10
2–13	—	2–18	15
LVR3, LVS3			
3–2	—	3–15	10
3–17	—	3–25	15
LVR4, LVS4			
4–2	—	4–7	10
4–8	—	4–12	15
LVR5, LVS5			
5–2	—	5–9	10
5–10	—	5–24	15
LVR10, LVS10			
10–1	—	10–5	8
10–6	—	10–17	10
LVR15, LVS15			
15–1	—	15–2	8
15–3	—	15–12	10
LVR20, LVS20			
20–1			8
20–2	—	20–10	10
LVR32, LVS32			
32–1–1	—	32–2	4
32–3–2	—	32–6	10
32–7–2	—	32–10–2	15
LVR45, LVS45			
45–1–1	—	45–1	4
45–2–2	—	45–3	10
45–4–2	—	45–7	15
LVR64, LVS64			
64–1–1			4
64–1	—	64–2–1	10
64–4–2	—	64–5–2	15
LVR90, LVS90			
90–1–1	—	90–2–2	10
90–2–1	—	90–4–2	15
LVR120, LVS120			
120–1–1	—	120–1	10
120–2–2	—	120–3–1	15
120–3	—	120–5–2	20
LVR150, LVS150			
150–1–1			10
150–1	—	150–2	15
150–3–2	—	150–4–2	20
LVR200, LVS200			
200–1–D	—	200–1	15
200–2–2D	—	200–3–2C	20

How To Read The Curve Charts



Pump type, frequency and ISO standard.

QH curve for the individual pump. The bold curves indicate the recommended duty range for best efficiency.

Number of Stages

The power curves indicate pump input per stage.

The eta curve shows the efficiency of the pump. The eta curve is an average curve of all the pump types shown in the chart.

The NPSH curve is an average curve for all the variants shown. When choosing the pump, add a safety margin of at least 0.5m.

QH curve for each individual impeller. Curves for standard impellers are shown.

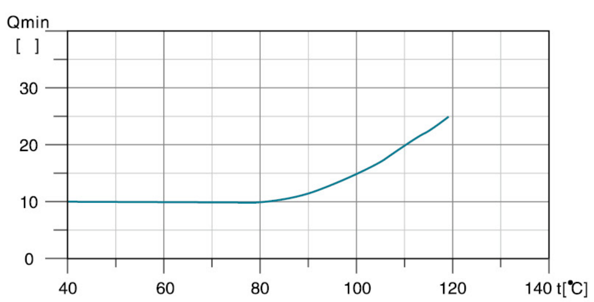
GUIDELINES TO PERFORMANCE CURVES

Tolerances to ISO 9906, Annex A.
Measurements have been made with airless water at a temperature of 20℃and kinematic viscosity of 1mm²/s.
To avoid overheating of the motor, the pump should not be use against a high head for a long time.

Minimum Flow Rate

Due to the risk of overheating, the pump should not be used at a flow below the minimum flow rate. The curve below shows the minimum flow rate as a percentage of the nominal flow rate in relation to the liquid temperature.

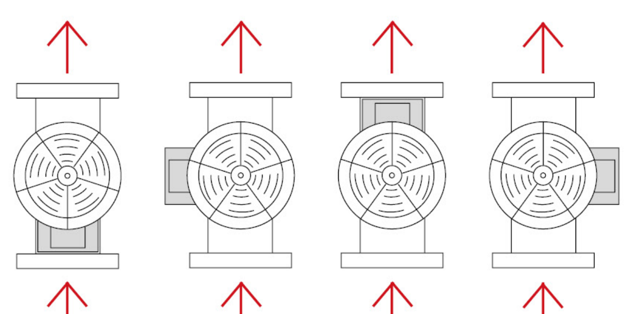
Air cooling apparatus



Note: The outlet valve must be opened when the pump is in operation.

Terminal Box Positions

(Note: set to position 1 before delivery)



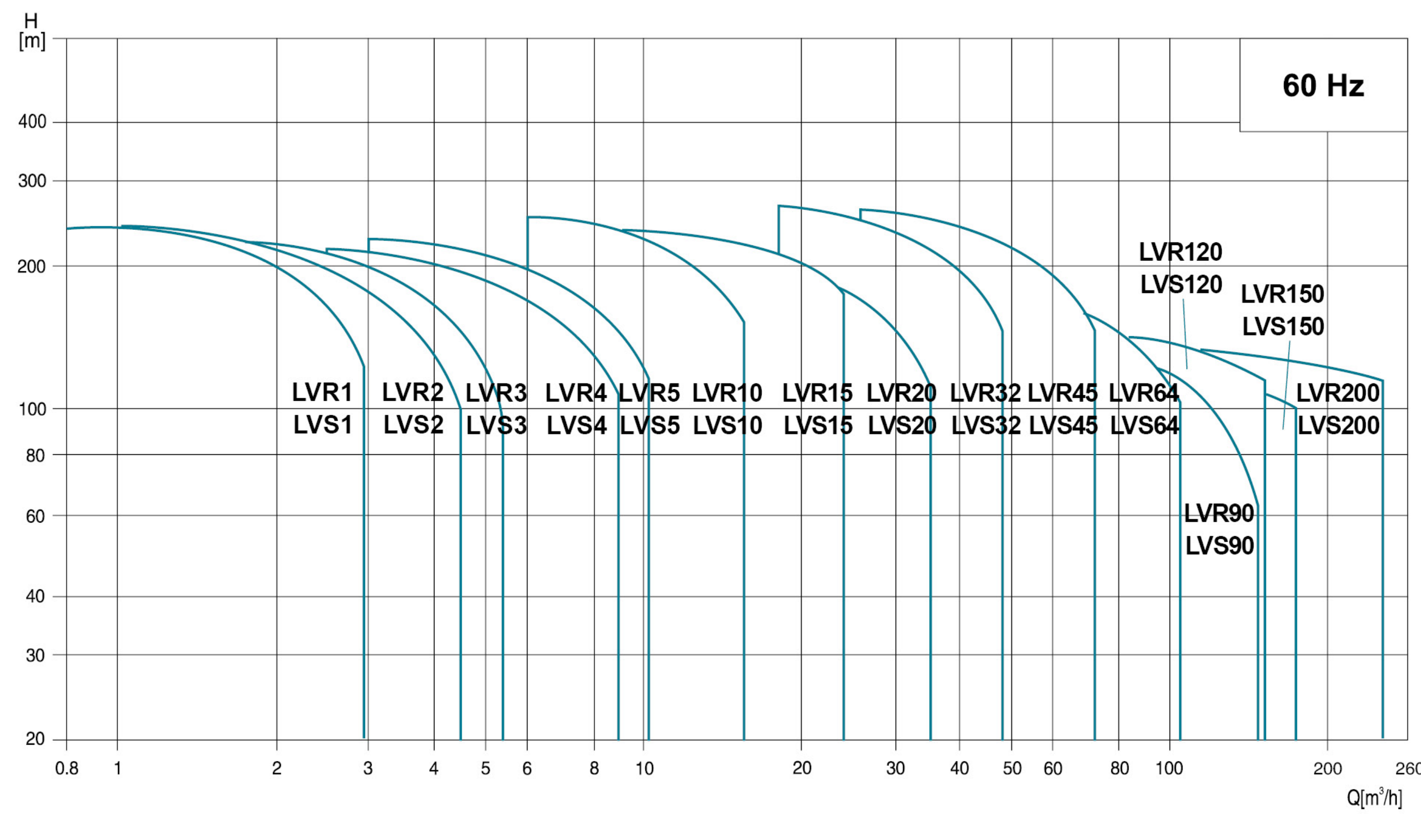
Position 1 Position 2 Position 3 Position 4

Product Range

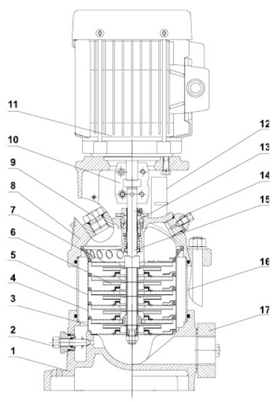
MODEL / DESCRIPTION	LVR(S)1	LVR(S)2	LVR(S)3	LVR(S)4	LVR(S)5	LVR(S)10	LVR(S)15	LVR(S)20	LVR(S)32	LVR(S)45	LVR(S)64	LVR(S)90	LVR(S)120	LVR(S)150	LVR(S)200
Rated flow [m³/h]	2.2	3	3.6	7	6.8	12	20	25	36	54	77	108	120	150	200
Flow range [m³/h]	0.8–2.9	1–4.5	1.4–5.4	2–9	3–10.2	6–16	10–29	13–35	18–48	26–70	36–102	54–146	60–160	80–180	100–240
Max. pressure [bar]	24	25	24	25	24	25	24	21	27	26	18	16			
Motor power [kW]	0.37–3	0.37–4	0.37–4	0.75–4	0.55–4	0.75–11	1.5–18.5	2.2–18.5	2.2–30	5.5–45	7.5–45	11–45	15–75	15–75	30–110
Temperature Range [℃]	–20℃~+120℃ (Note: Both the Max. permissible pressure and liquid temperature range refer to the pump capacity.)														
Max. pump efficiency [%]	49	48	59	59	67	70	72	72	76	78	79	80	74	73	78
Pipe connection-LVR															
Oval flange	G1	G1	G1	G1¹/₄	G1¹/₄	–	–	–	–	–	–	–	–	–	–
DIN flange	DN25	DN25	DN25	DN32	DN32	DN40	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125	DN150
Flange structure	○	○	○	○	○	○	○	○	●	●	●	●	●	●	●
Pipe connection-LVS															
Oval flange	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DIN flange	DN32	DN32	DN32	DN32	DN32	DN40	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125	DN150
Flange structure	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Clamp connector	Φ42	Φ42	Φ42	Φ42	Φ42	–	–	–	–	–	–	–	–	–	–
Threaded connector	G1¹/₄	G1¹/₄	G1¹/₄	G1¹/₄	G1¹/₄	–	–	–	–	–	–	–	–	–	–

Note: ○ It means stationary flange structure , ● It means dynamic flange structure

Scope Of Performance–LVR,LVS

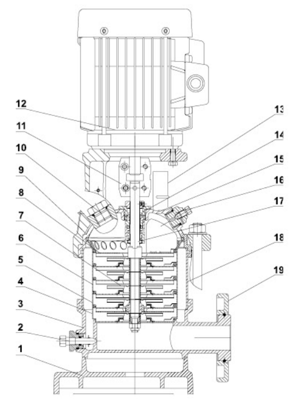


Cross Section



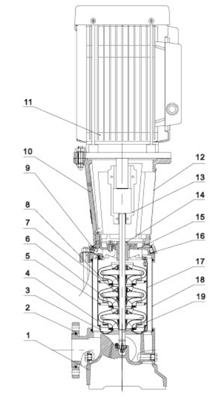
MODEL: LVR1 (2,3,4,5)

	Part	Material
1	Base	HT200
2	Drainage plug assembly	AISI304
3	Primary diffuser	AISI304
4	Diffuser with bearing	AISI304
5	Medium diffuser	AISI304
6	Impeller	AISI304
7	Final volute	AISI304
8	Motor base	HT200
9	Filling plug	AISI304
10	Coupling	Iron based powder metallurgy
11	Motor	
12	Guarding plate	AISI304
13	Cartridge seal	
14	Vent plug assembly	AISI304
15	Pump shaft	AISI316
16	Pump barrel	AISI304
17	Oval flange	HT200



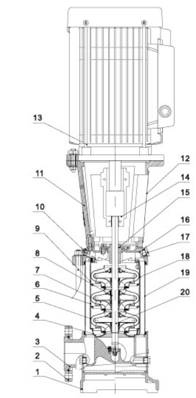
MODEL: LVS1 (2,3,4,5)

	Part	Material	Optional Material
1	Base plate	HT200	
2	Drainage plug assembly	AISI304	AISI316
3	Chasis	ZG304	ZG316
4	Primary diffuser	AISI304	AISI316
5	Diffuser with bearing	AISI304	AISI316
6	Medium diffuser	AISI304	AISI316
7	Impeller	AISI304	AISI316
8	Final volute	AISI304	AISI316
9	Motor base	HT200	
10	Filling plug	AISI304	AISI316
11	Coupling	Iron based powder metallurgy	
12	Motor		
13	Guarding plate	AISI304	
14	Cartridge seal		
15	Pump cover	ZG304	ZG316
16	Vent plug assembly	AISI304	AISI316
17	Pump shaft	AISI316	
18	Pump barrel	AISI304	AISI316
19	Flange	ZG35	



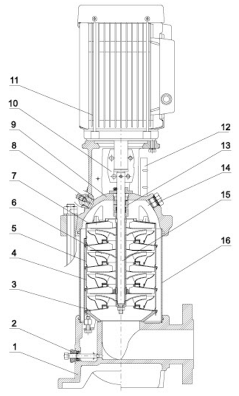
MODEL: LVR32 (45,64,90)

	Part	Material
1	Base plate	HT200
2	Flange	ZG35
3	Primary diffuser	AISI304
4	Medium diffuser	AISI304
5	Diffuser with bearing	AISI304
6	Impeller	AISI304
7	Shaft sleeve assembly	
8	Final diffuser	AISI304
9	Vent plug assembly	AISI304
10	Motor base	HT200
11	Motor	
12	Guarding plate	AISI304
13	Coupling	QT400
14	Cartridge seal	
15	HT200 Pump head	HT200
16	Filling plug	AISI304
17	Tension plate	AISI304
18	Pump barrel	AISI304
19	Pump shaft	AISI304



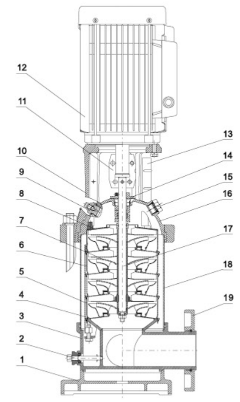
MODEL: LVS32 (45,64,90)

	Part	Material	Optional Material
1	Base plate	HT200	
2	Flange	ZG35	
3	Chasis	ZG304	ZG316
4	Primary diffuser	AISI304	AISI316
5	Medium diffuser	AISI304	AISI316
6	Diffuser with bearing	AISI304	AISI316
7	Impeller	AISI304	AISI316
8	Shaft sleeve assembly		
9	Final diffuser	AISI304	AISI316
10	Vent plug assembly	AISI304	AISI316
11	Motor base	HT200	
12	Motor		
13	Guarding plate	AISI304	
14	Coupling	QT400	
15	Cartridge seal		
16	Pump head	ZG304	ZG316
17	Filling plug	AISI304	AISI316
18	Tension plate	AISI304	AISI316
19	Pump barrel	AISI304	AISI316
20	Pump shaft	AISI304	AISI316



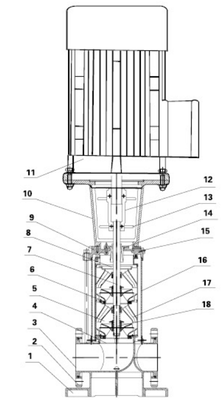
MODEL: LVR10 (15,20)

	Part	Material
1	Base	HT200
2	Drainage plug assembly	AISI304
3	Primary diffuser	AISI304
4	Diffuser with bearing	AISI304
5	Medium diffuser	AISI304
6	Impeller	AISI304
7	Final volute	AISI304
8	Filling plug	AISI304
9	Motor base	HT200
10	Coupling	Iron based powder metallurgy
11	Motor	
12	Guarding plate	AISI304
13	Cartridge seal	
14	Vent plug assembly	AISI304
15	Pump shaft	AISI316
16	Pump barrel	AISI304



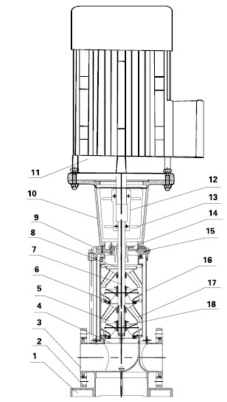
MODEL: LVS10 (15,20)

	Part	Material	Optional Material
1	Base plate	HT200	
2	Drainage plug assembly	AISI304	AISI316
3	Chasis	ZG304	ZG316
4	Primary diffuser	AISI304	AISI316
5	Diffuser with bearing	AISI304	AISI316
6	Medium diffuser	AISI304	AISI316
7	Impeller	AISI304	AISI316
8	Final volute	AISI304	AISI316
9	Filling plug	AISI304	AISI316
10	Motor base	HT200	
11	Coupling	Iron based powder metallurgy	
12	Motor		
13	Guarding plate	AISI304	
14	Cartridge seal		
15	Vent plug assembly	AISI304	AISI316
16	Pump cover	ZG304	AISI316
17	Pump shaft	AISI316	
18	Pump barrel	AISI304	AISI316
19	Flange	ZG35	



MODEL: LVR120 (150,200)

	Part	Material
1	Base plate	HT200
2	Flange	ZG35
3	Base	HT200
4	Primary diffuser	AISI304
5	Medium diffuser	AISI304
6	Diffuser with bearing	AISI304
7	Impeller	AISI304
8	Final diffuser	AISI304
9	Pump head	HT200
10	Motor base	HT200
11	Motor	
12	Coupling	QT400
13	Guarding plate	AISI304
14	Cartridge seal	
15	Filling plug	AISI304
16	Tension plate	AISI304
17	Pump barrel	AISI304
18	Pump shaft	AISI304



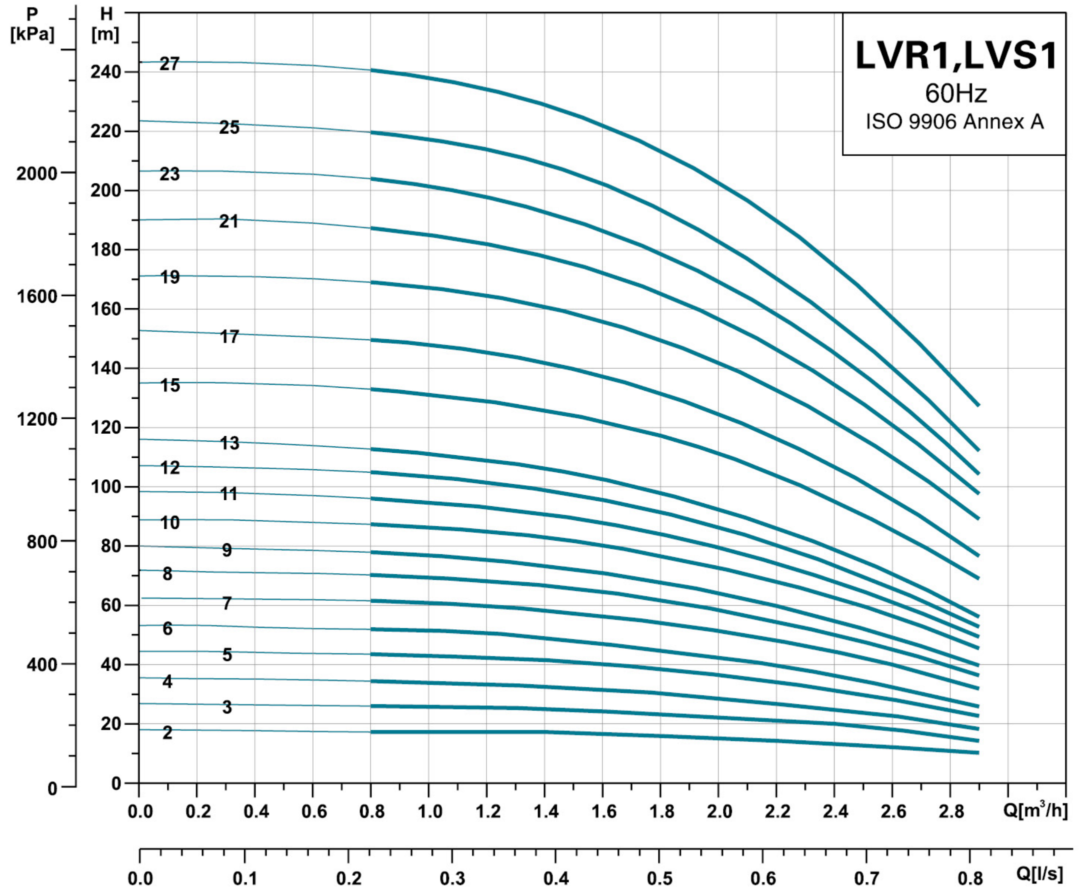
MODEL: LVS120 (150,200)

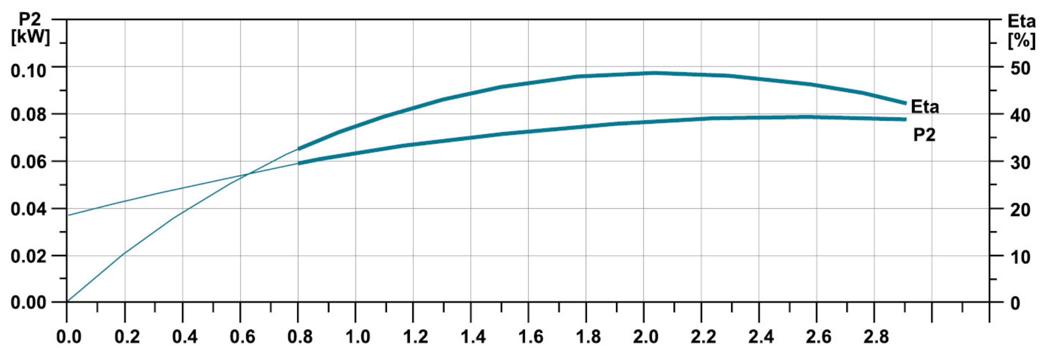
	Part	Material	Optional Material
1	Base plate	HT200	
2	Flange	ZG35	
3	Chasis	ZG304	ZG316
4	Primary diffuser	AISI304	AISI316
5	Medium diffuser	AISI304	AISI316
6	Diffuser with bearing	AISI304	AISI316
7	Impeller	AISI304	AISI316
8	Final diffuser	AISI304	AISI316
9	Pump head	ZG304	ZG316
10	Motor base	HT200	
11	Motor		
12	Coupling	QT400	
13	Guarding plate	AISI304	
14	Cartridge seal		
15	Filling plug	AISI304	AISI316
16	Tension plate	AISI304	AISI316
17	Pump barrel	AISI304	AISI316
18	Pump shaft	AISI304	AISI316

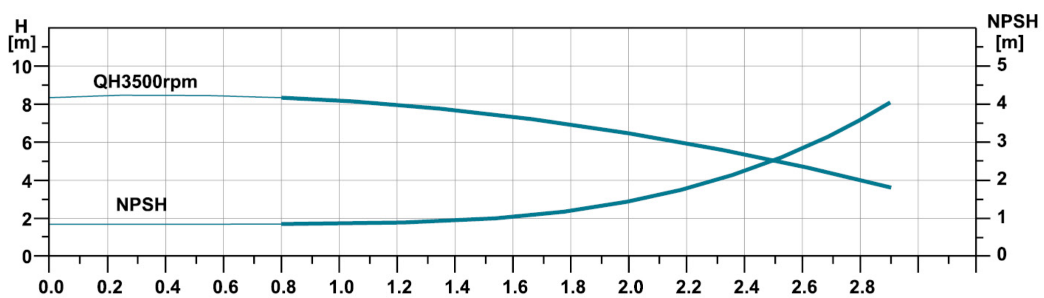
LVS/LVR

Stainless Steel Vertical
Multistage Pump

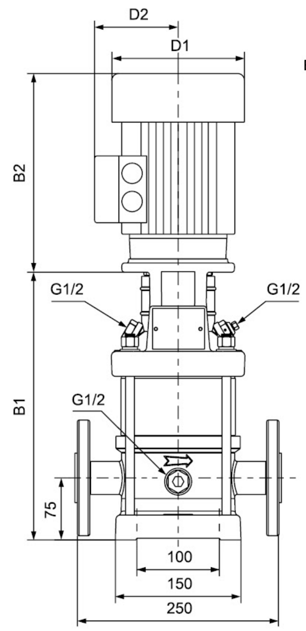
Hydraulic Performance Curves

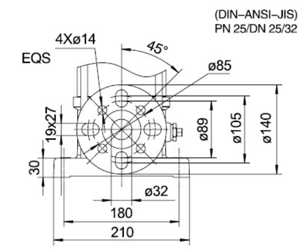




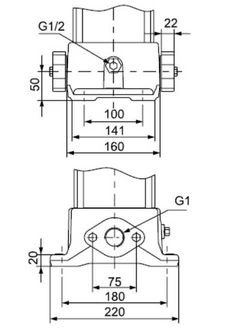


Dimension Drawing





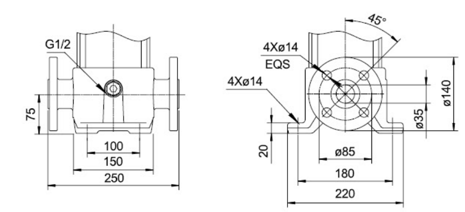
DIN FLANGE(LVS)/F



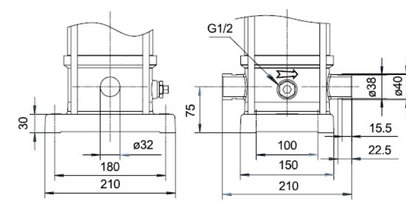
OVAL FLANGE(LVR)/A

MODEL	OVAL FLANGE(LVR)		DIN FLANGE(LVS)		D1	D2
	B1	B1+B2	B1	B1+B2		
1–2	256.5	486.5	282	512	132	84
1–3	256.5	486.5	282	512	132	84
1–4	274.5	504.5	300	530	132	84
1–5	292.5	522.5	318	548	132	84
1–6	310.5	540.5	336	566	132	84
1–7	332.5	582.5	358	608	150	95
1–8	350.5	600.5	376	626	150	95
1–9	368.5	618.5	394	644	150	95
1–10	386.5	636.5	412	662	150	95
1–11	404.5	654.5	430	680	150	95
1–12	422.5	672.5	448	698	150	95
1–13	440.5	690.5	466	716	150	95
1–15	492.5	802.5	518	828	168	112
1–17	528.5	838.5	554	864	168	112
1–19	564.5	874.5	590	900	168	112
1–21	600.5	910.5	626	936	168	112
1–23	636.5	946.5	662	972	168	112
1–25	672.5	982.5	698	1008	168	112
1–27	712.5	1042.5	738	1068	194	124

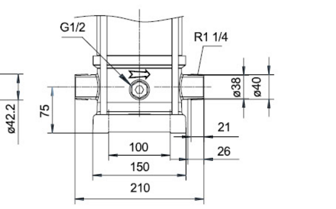
Note: B1 and B1+B2 of clamp connector and threaded connector are in compliance with that of DIN flange.



DIN FLANGE(LVR)/F



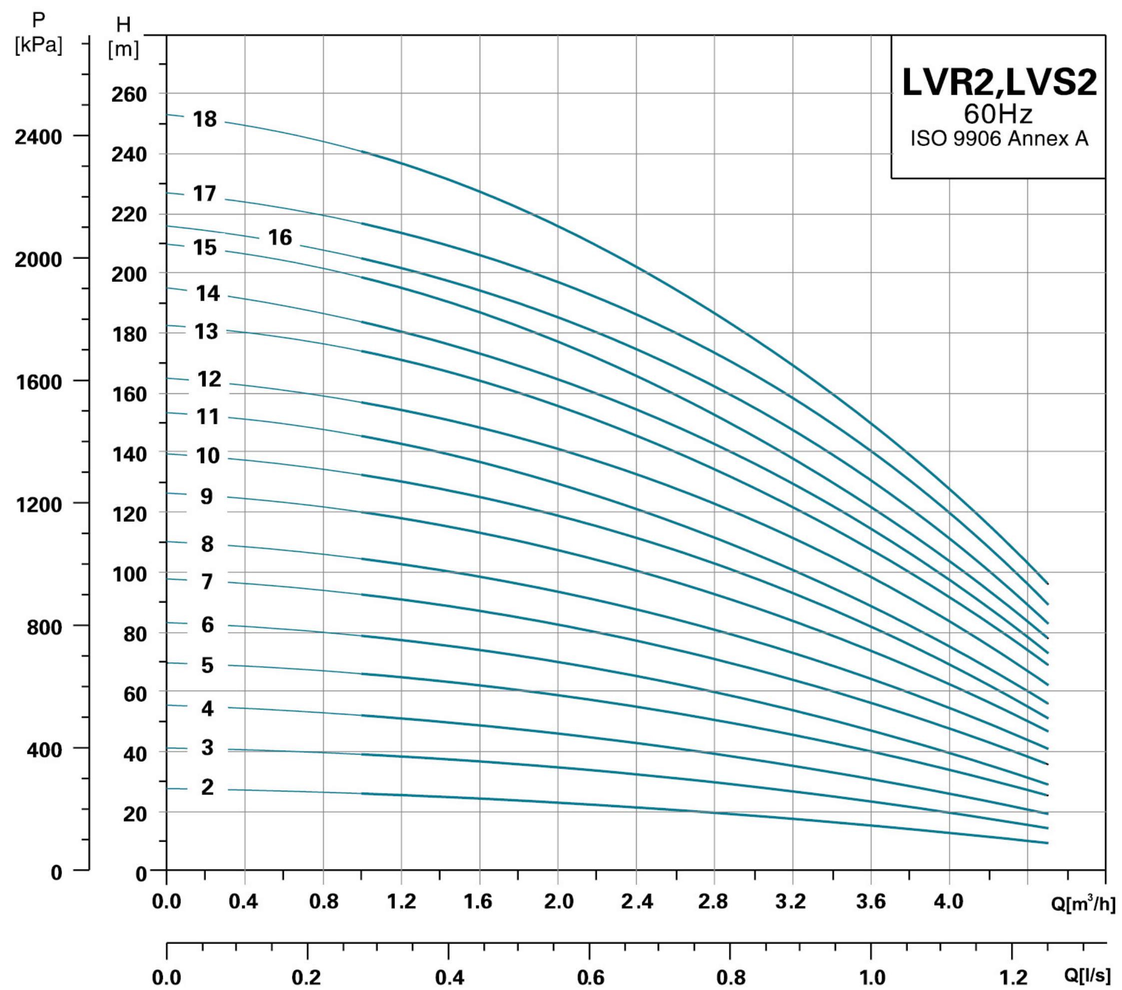
THREADED CONNECTOR(LVS)/G

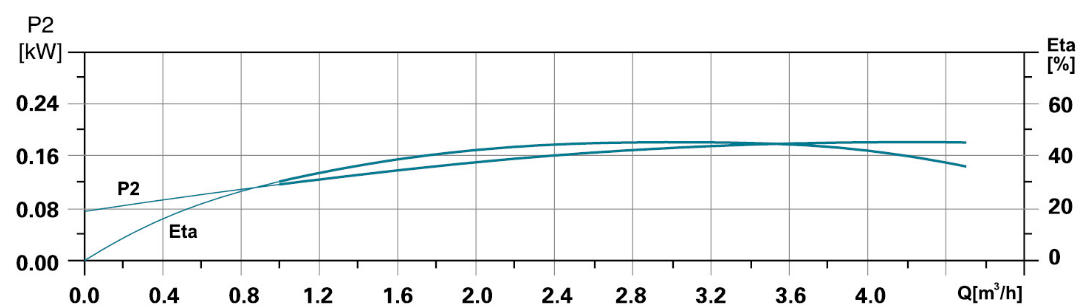


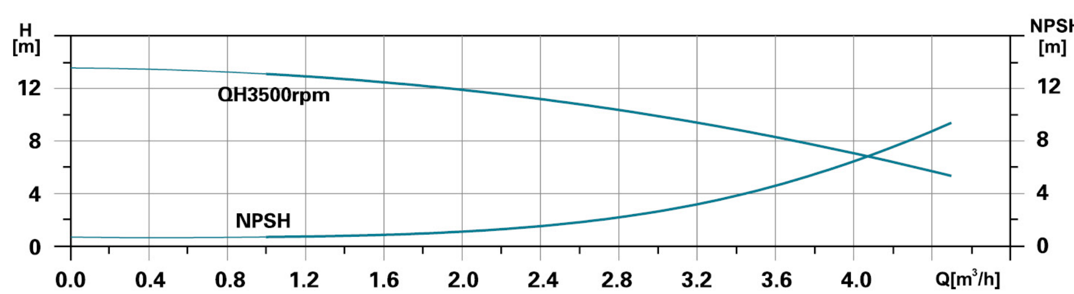
CLAMP CONNECTOR(LVS)/K

MODEL	POWER[kW]	Q[m³/h]	0.8	1.0	1.5	2.0	2.2	2.5	2.9
1–2	0.37	H(m)	17	17	16	15	14	13	10
1–3	0.37		26	25	24	22	21	18	14
1–4	0.37		34	34	32	28	27	23	18
1–5	0.55		43	42	40	36	34	29	22
1–6	0.55		51	51	48	43	40	34	26
1–7	0.75		61	60	57	51	48	41	32
1–8	0.75		69	68	65	58	54	47	35
1–9	0.75		77	76	72	64	60	52	39
1–10	1.1		87	86	81	72	67	58	44
1–11	1.1		95	94	89	79	73	64	48
1–12	1.1		104	103	96	85	79	69	52
1–13	1.1		112	111	104	92	85	74	55
1–15	1.5		132	131	124	110	102	89	68
1–17	1.5		149	147	139	124	114	100	75
1–19	2.2		168	166	157	140	130	114	87
1–21	2.2		185	183	173	154	142	126	95
1–23	2.2		202	200	189	168	155	136	103
1–25	2.2		219	217	204	182	168	147	111
1–27	3		239	237	224	200	185	163	124

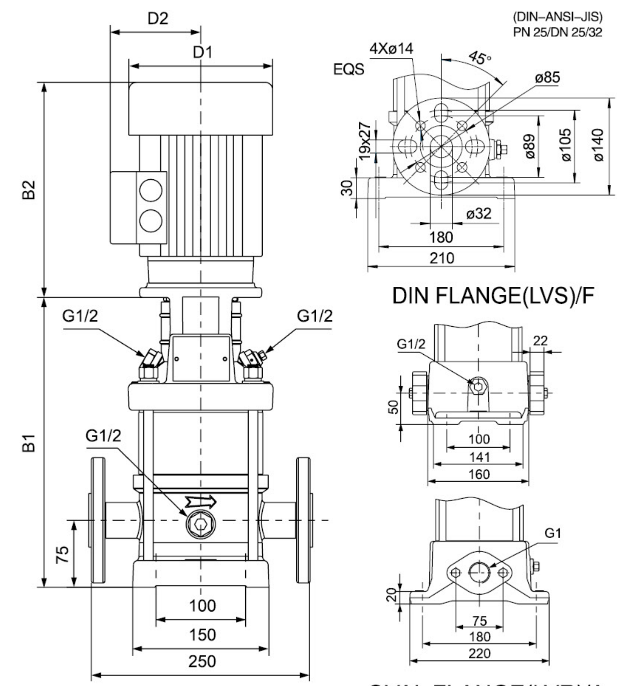
Hydraulic Performance Curves







Dimension Drawing

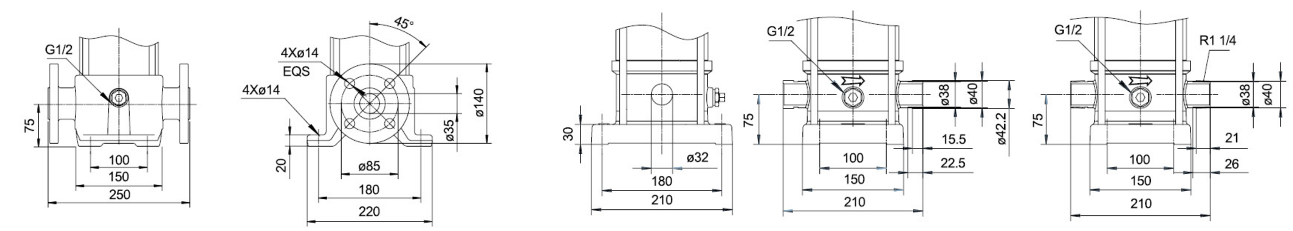


DIN FLANGE(LVS)/F

OVAL FLANGE(LVR)/A

MODEL	OVAL FLANGE(LVR)		DIN FLANGE(LVS)		D1	D2
	B1	B1+B2	B1	B1+B2		
2–2	256.5	486.5	282	512	132	84
2–3	256.5	486.5	282	512	132	84
2–4	278.5	528.5	304	554	150	95
2–5	296.5	546.5	322	572	150	95
2–6	314.5	564.5	340	590	150	95
2–7	348.5	658.5	374	684	168	112
2–9	384.5	694.5	410	720	168	112
2–11	420.5	730.5	446	756	168	112
2–13	460.5	790.5	486	816	194	124
2–15	496.5	826.5	522	852	194	124
2–18	550.5	907.5	576	933	212	142

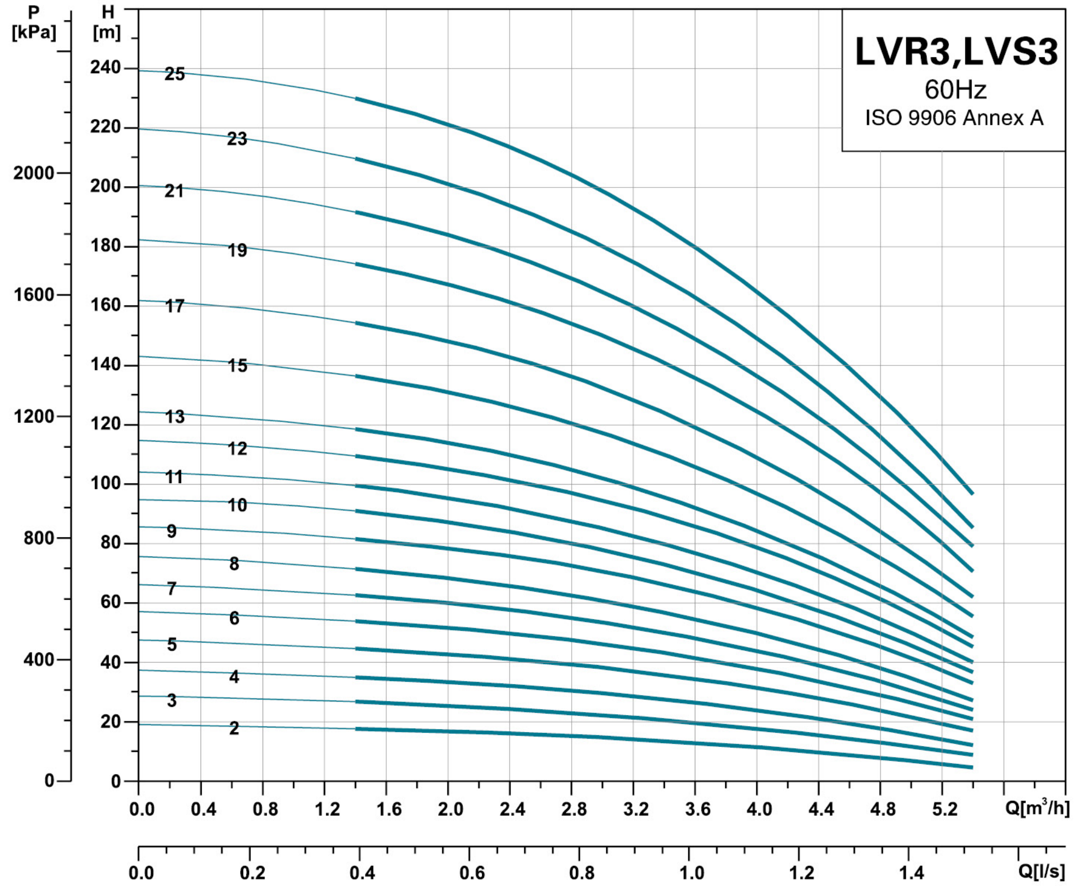
Note: B1 and B1+B2 of clamp connector and threaded connector are in compliance with that of DIN flange.

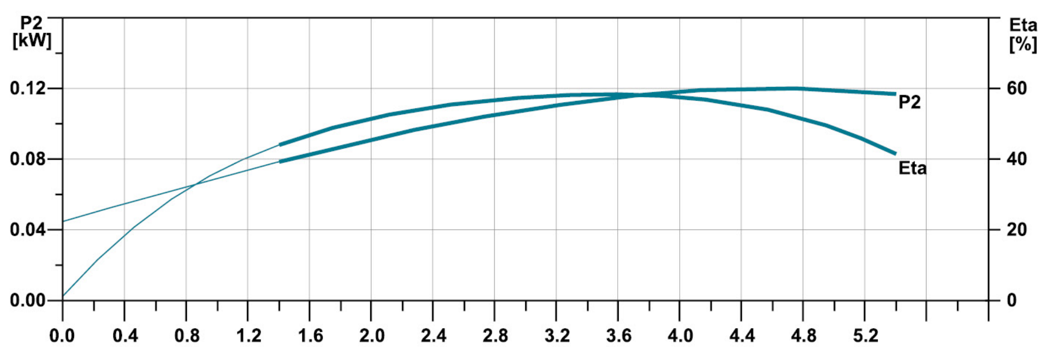


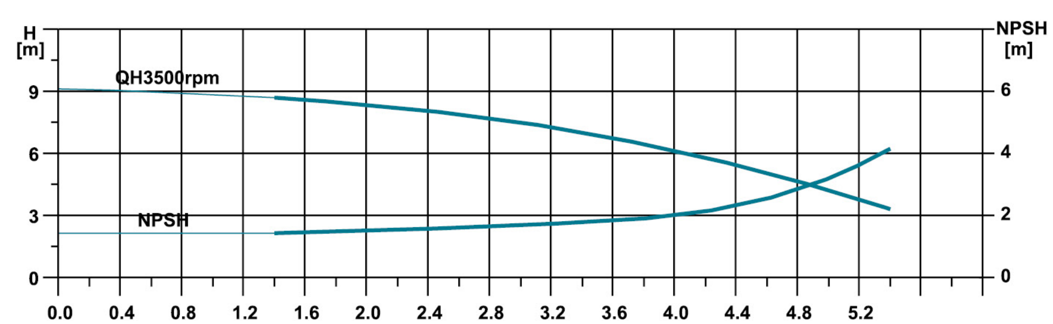
DIN FLANGE(LVR)/F THREADED CONNECTOR(LVS)/G CLAMP CONNECTOR(LVS)/K

MODEL	POWER[kW]	Q[m³/h]	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5
2–2	0.37	H(m)	25	24	22	20	18.5	15	12	9
2–3	0.55		38	36	34	31	28	23	19	14
2–4	0.75		52	49	46	42	37.5	32	26	19
2–5	1.1		66	62	58	54	48	41	34	25
2–6	1.1		78	74	69	63	56.5	48	39	29
2–7	1.5		92	88	82	75	67.5	58	47	35
2–9	2.2		120	115	108	99	89	77	63	48
2–11	2.2		145	139	130	119	106	92	75	56
2–13	3		174	166	156	143	128	111	91	69
2–15	3		199	190	178	163	145	126	103	77
2–18	4		241	230	216	199	177	154	127	96

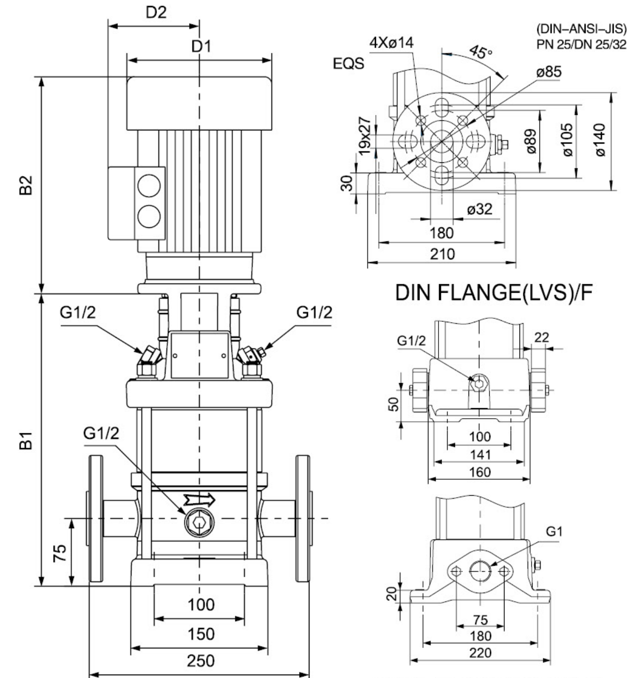
Hydraulic Performance Curves







Dimension Drawing

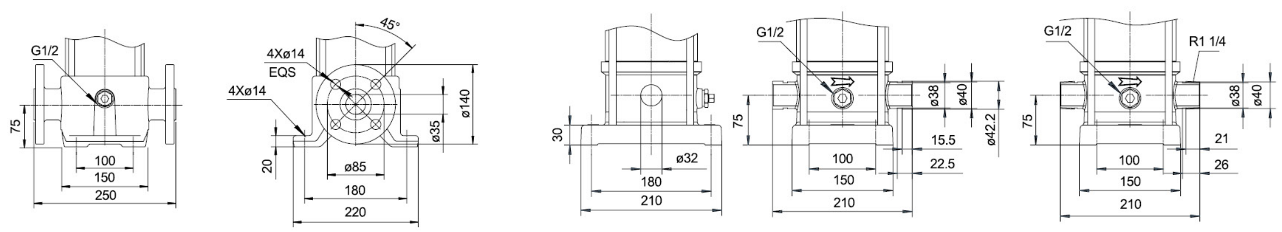


DIN FLANGE(LVS)/F

OVAL FLANGE(LVR)/A

MODEL	OVAL FLANGE(LVR)		DIN FLANGE(LVS)		D1	D2
	B1	B1+B2	B1	B1+B2		
3–2	256.5	486.5	282	512	132	84
3–3	256.5	486.5	282	512	132	84
3–4	274.5	504.5	300	530	132	84
3–5	296.5	546.5	322	572	150	95
3–6	314.5	564.5	340	590	150	95
3–7	332.5	582.5	358	608	150	95
3–8	350.5	600.5	376	626	150	95
3–9	384.5	694.5	410	720	168	112
3–10	402.5	712.5	428	738	168	112
3–11	420.5	730.5	446	756	168	112
3–12	438.5	748.5	464	774	168	112
3–13	456.5	766.5	482	792	168	112
3–15	492.5	802.5	518	828	168	112
3–17	528.5	838.5	554	864	168	112
3–19	568.5	898.5	594	924	194	124
3–21	604.5	934.5	630	960	194	124
3–23	640.5	970.5	666	996	194	124
3–25	676.5	1033.5	702	1059	212	142

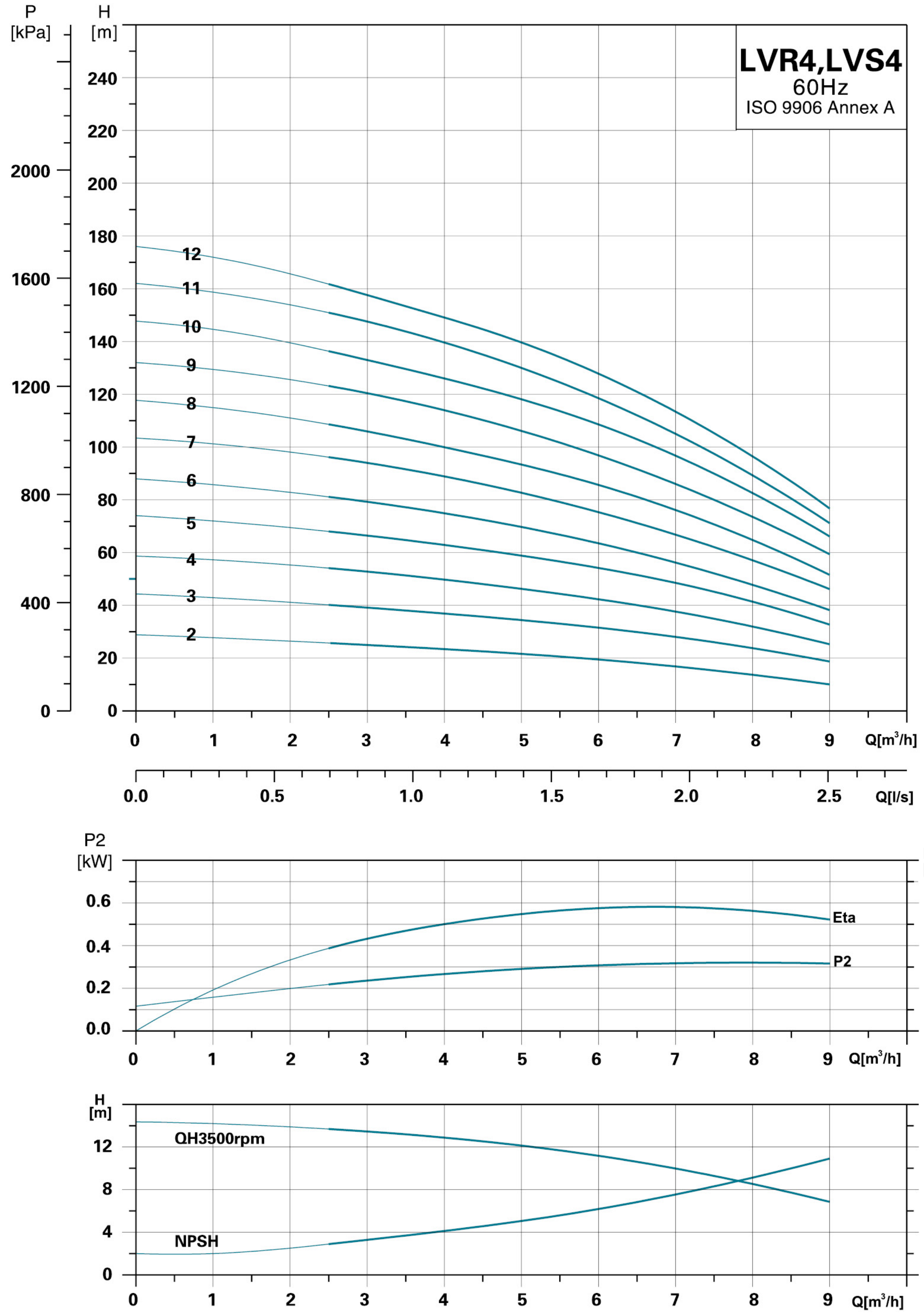
Note: B1 and B1+B2 of clamp connector and threaded connector are in compliance with that of DIN flange.



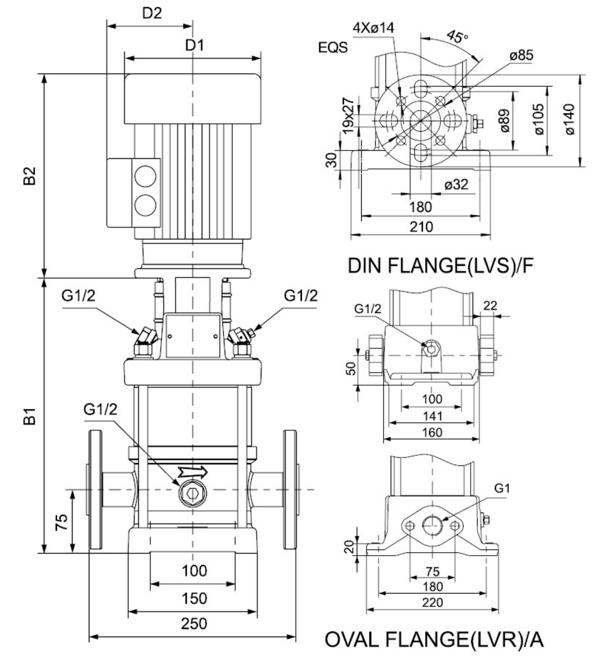
DIN FLANGE(LVR)/F　THREADED CONNECTOR(LVS)/G　CLAMP CONNECTOR(LVS)/K

MODEL	POWER[kW]	Q[m³/h]	1.5	2.0	2.5	3.0	3.6	4.0	4.5	5.0	5.4
3–2	0.37	H(m)	17	17	16	15	13	11	9	7	5
3–3	0.55		26	25	24	22	20	18	15	12	9
3–4	0.55		35	34	32	30	27	24	20	16	12
3–5	0.75		44	43	41	38	34	31	27	22	17
3–6	1.1		54	52	49	46	42	38	33	27	21
3–7	1.1		62	60	57	54	48	44	38	31	24
3–8	1.1		71	68	65	61	55	50	43	35	27
3–9	1.5		81	79	75	71	64	58	51	41	33
3–10	1.5		90	87	83	78	70	64	56	46	37
3–11	1.5		99	96	91	86	77	71	61	50	40
3–12	2.2		110	106	101	95	85	78	68	56	45
3–13	2.2		119	114	109	103	92	85	74	60	48
3–15	2.2		136	131	125	118	106	97	84	69	55
3–17	2.2		154	148	141	133	119	109	94	77	61
3–19	3		174	168	160	150	135	125	108	88	72
3–21	3		191	185	176	165	148	137	119	97	78
3–23	3		209	202	192	181	161	149	129	106	85
3–25	4		229	222	212	199	178	165	144	118	95

Hydraulic Performance Curves



Dimension Drawing

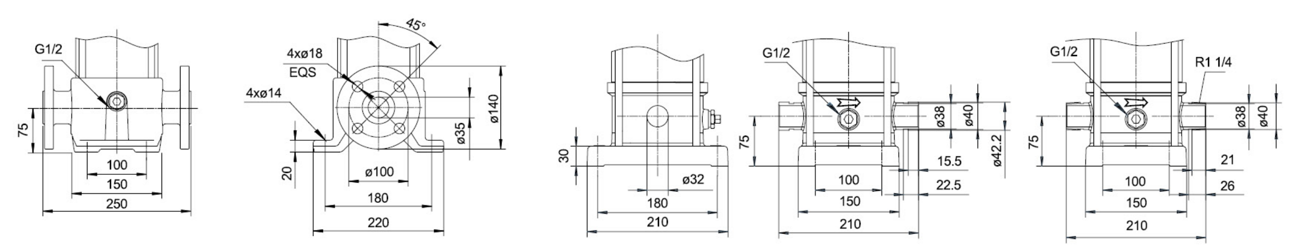


DIN FLANGE(LVS)/F

OVAL FLANGE(LVR)/A

MODEL	OVAL FLANGE(LVR)		DIN FLANGE(LVS)		D1	D2
	B1	B1+B2	B1	B1+B2		
4–2	260.5	510.5	286	536	150	95
4–3	287.5	537.5	313	563	150	95
4–4	330.5	640.5	356	666	168	112
4–5	357.5	667.5	383	693	168	112
4–6	384.5	694.5	410	720	168	112
4–7	415.5	745.5	441	771	194	124
4–8	442.5	772.5	468	798	194	124
4–10	496.5	853.5	522	879	212	142
4–12	550.5	907.5	576	933	212	142

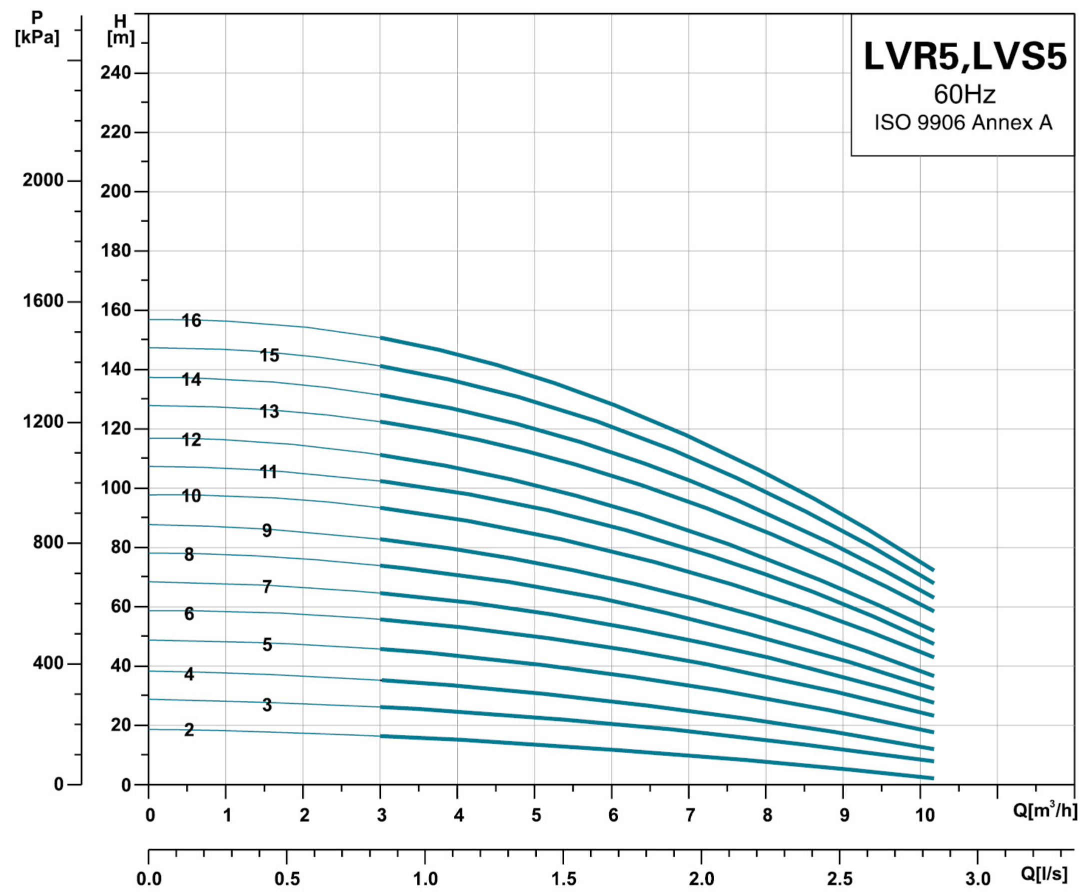
Note: B1 and B1+B2 of clamp connector and threaded connector are in compliance with that of DIN flange.

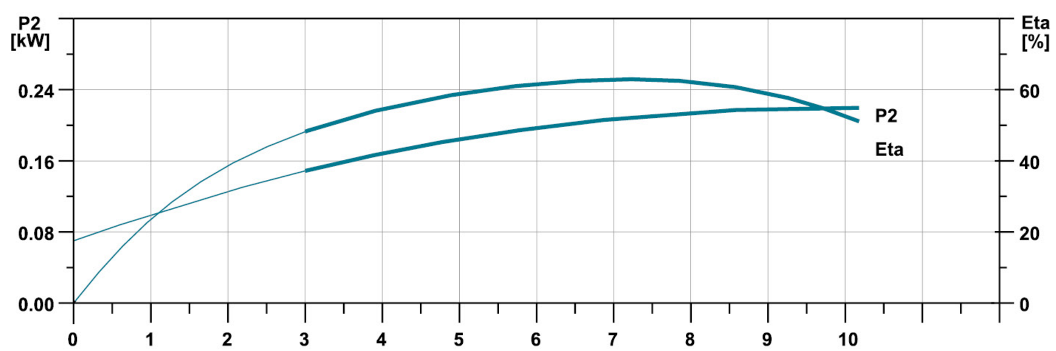


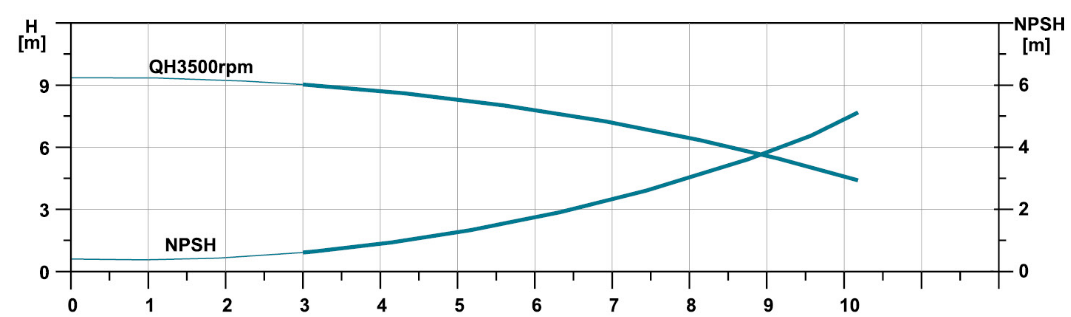
DIN FLANGE(LVR)/F THREADED CONNECTOR(LVS)/G CLAMP CONNECTOR(LVS)/K

MODEL	POWER[kW]	Q[m³/h]	2.5	3.0	4.0	5.0	6.0	7.0	8.0	9.0
4–2	0.75	H(m)	25	24	23	21	19	16.5	13	9
4–3	1.1		40	39	36	34	34	28	23	18
4–4	1.5		53	52	49	46	42	37.5	31	25
4–5	2.2		68	66	62	58	54	48	41	32
4–6	2.2		80	78	74	69	63	56.5	48	38
4–7	3		95	93	88	82	75	68	57	46
4–8	3		108	106	99	93	85	76.5	65	51
4–10	4		136	133	126	118	108	97	82	65
4–12	4		162	158	149	139	128	114	96	76

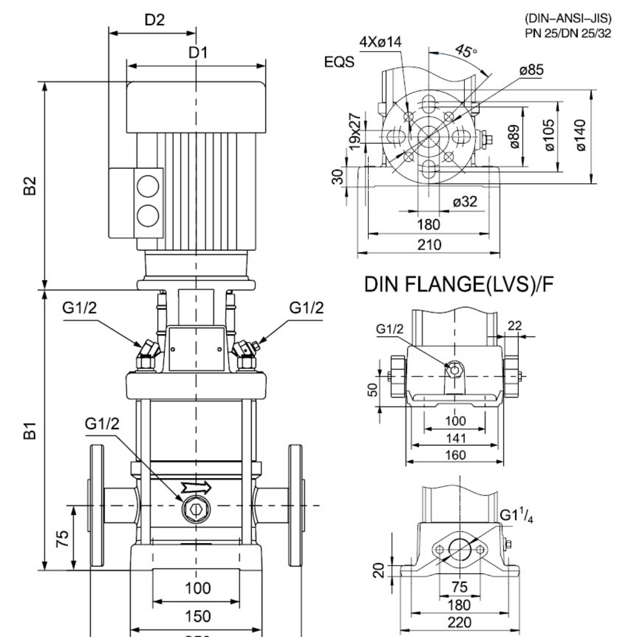
Hydraulic Performance Curves







Dimension Drawing

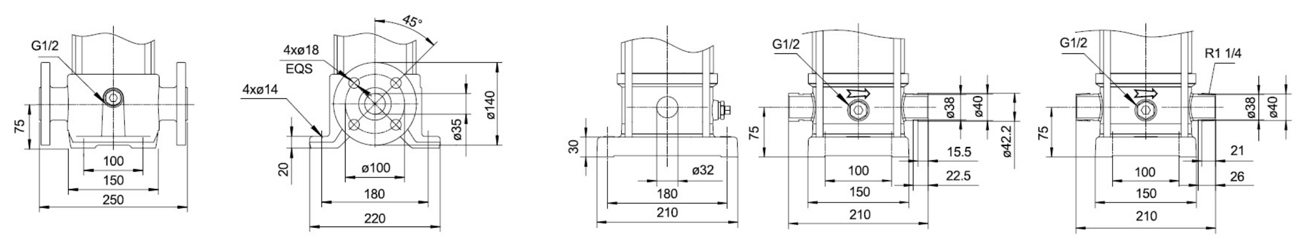


DIN FLANGE(LVS)/F

OVAL FLANGE(LVR)/A

MODEL	OVAL FLANGE(LVR)		DIN FLANGE(LVS)		D1	D2
	B1	B1+B2	B1	B1+B2		
5–2	256.5	486.5	282	512	132	84
5–3	287.5	537.5	313	563	150	95
5–4	314.5	564.5	340	590	150	95
5–5	357.5	667.5	383	693	168	112
5–6	384.5	694.5	410	720	168	112
5–7	411.5	721.5	437	747	168	112
5–8	438.5	748.5	464	774	168	112
5–9	465.5	775.5	491	801	168	112
5–10	496.5	826.5	522	852	194	124
5–11	523.5	853.5	549	879	194	124
5–12	550.5	880.5	576	906	194	124
5–13	577.5	934.5	603	960	212	142
5–14	604.5	961.5	630	987	212	142
5–15	631.5	988.5	657	1014	212	142
5–16	658.5	1015.5	684	1041	212	142

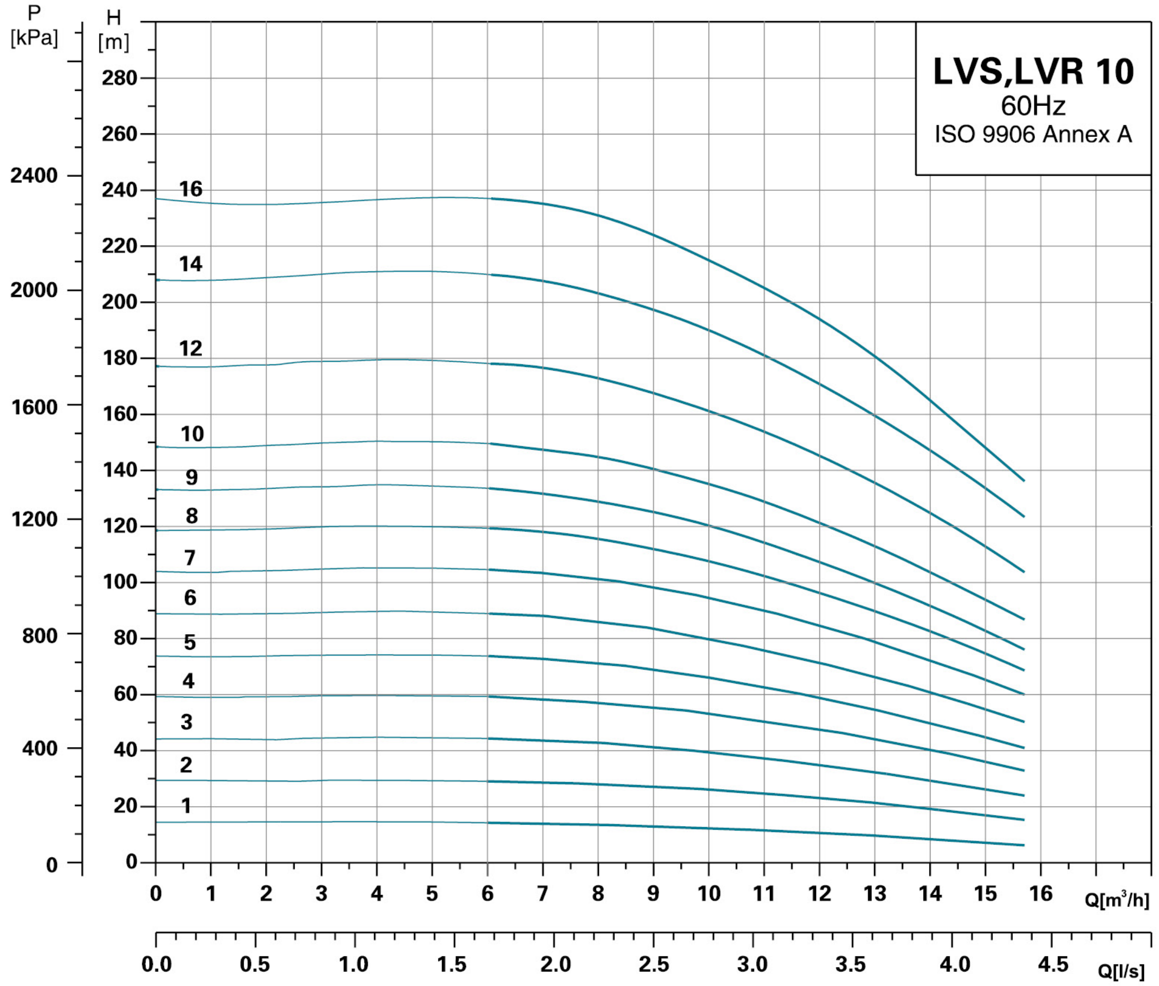
Note: B1 and B1+B2 of clamp connector and threaded connector are in compliance with that of DIN flange.

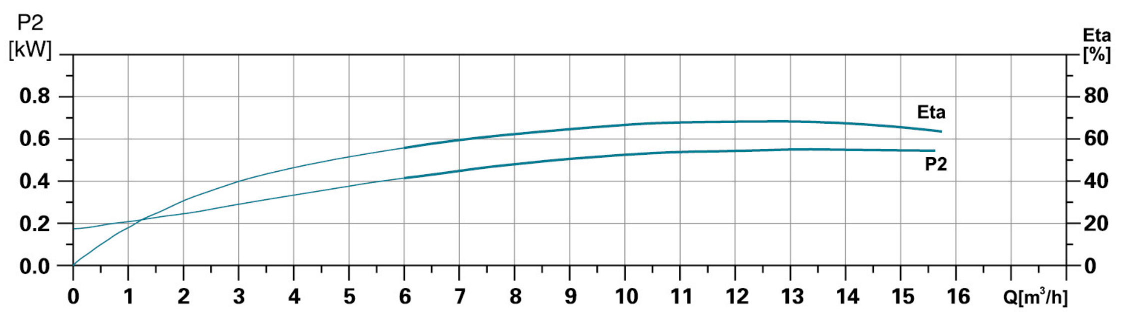


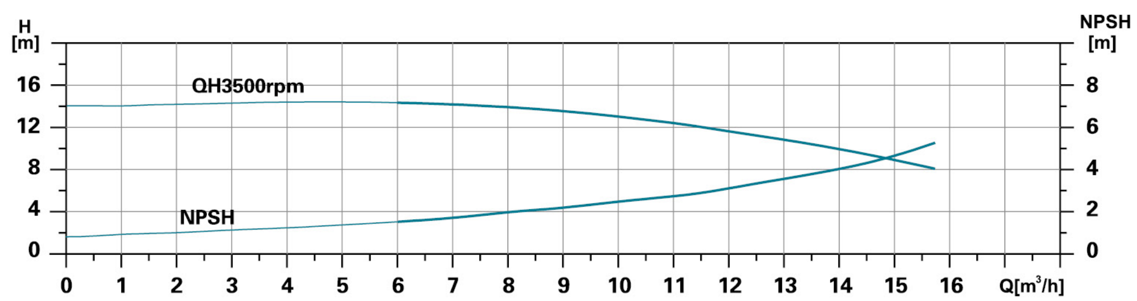
DIN FLANGE(LVR)/F THREADED CONNECTOR(LVS)/G CLAMP CONNECTOR(LVS)/K

MODEL	POWER[kW]	Q[m³/h]	3.0	4.0	5.0	6.0	6.8	8.0	9.0	10
5–2	0.55	H(m)	17	15	14	13	11	9	6	4
5–3	1.1		26	25	23	21	19	16	13	9
5–4	1.1		35	34	31	29	26	22	18	14
5–5	1.5		46	44	41	38	35	30	25	20
5–6	2.2		55	53	50	46	43	37	32	25
5–7	2.2		65	62	59	54	50	44	37	30
5–8	2.2		74	71	67	62	58	50	43	35
5–9	2.2		83	80	75	70	65	57	48	39
5–10	3		93	90	85	79	74	65	56	46
5–11	3		103	99	94	87	81	71	61	51
5–12	3		112	108	102	95	89	78	67	55
5–13	4		123	118	113	105	98	86	75	62
5–14	4		132	127	121	113	105	93	81	67
5–15	4		142	136	130	121	112	99	86	71
5–16	4		151	145	138	129	120	106	92	76

Hydraulic Performance Curves

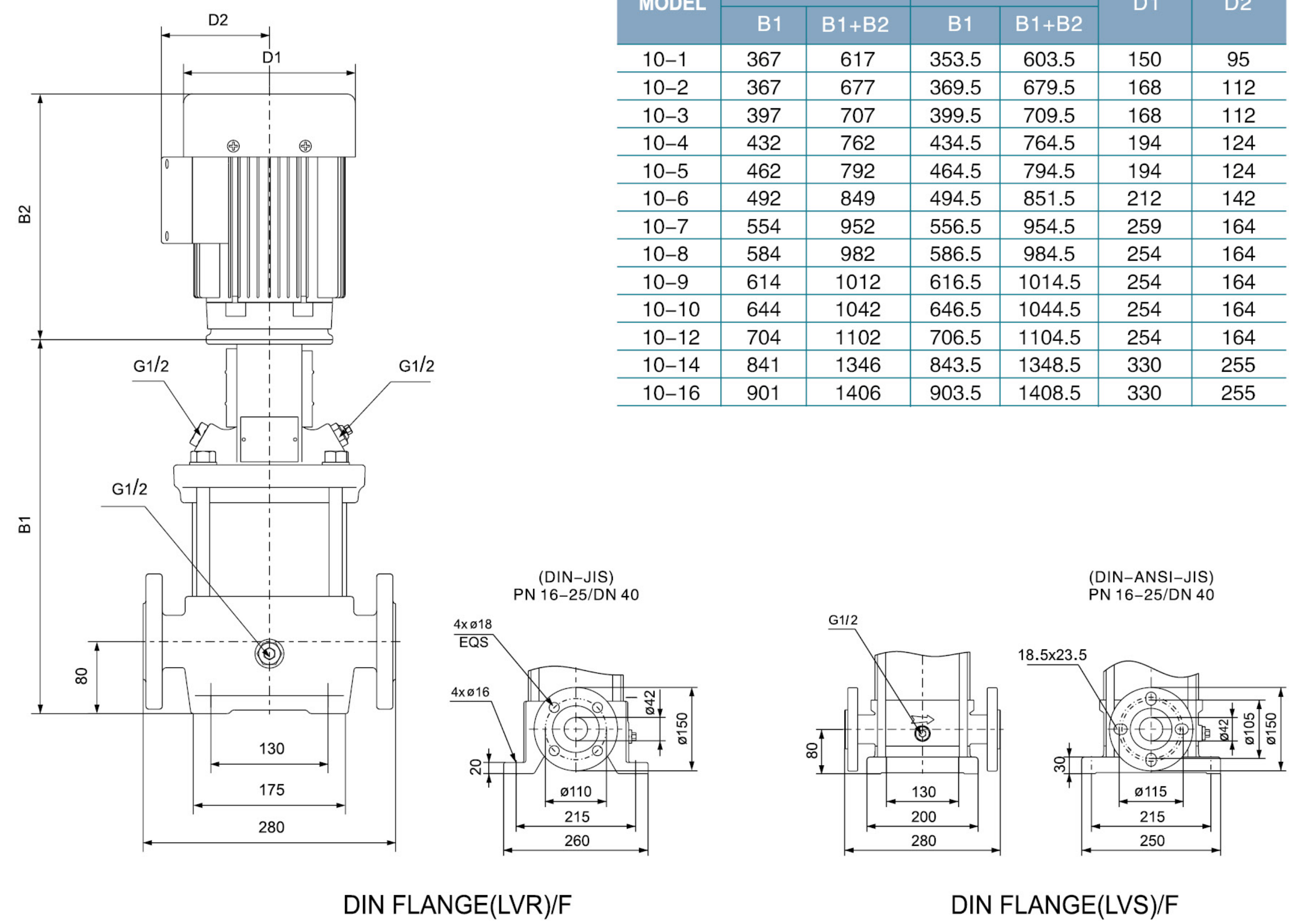






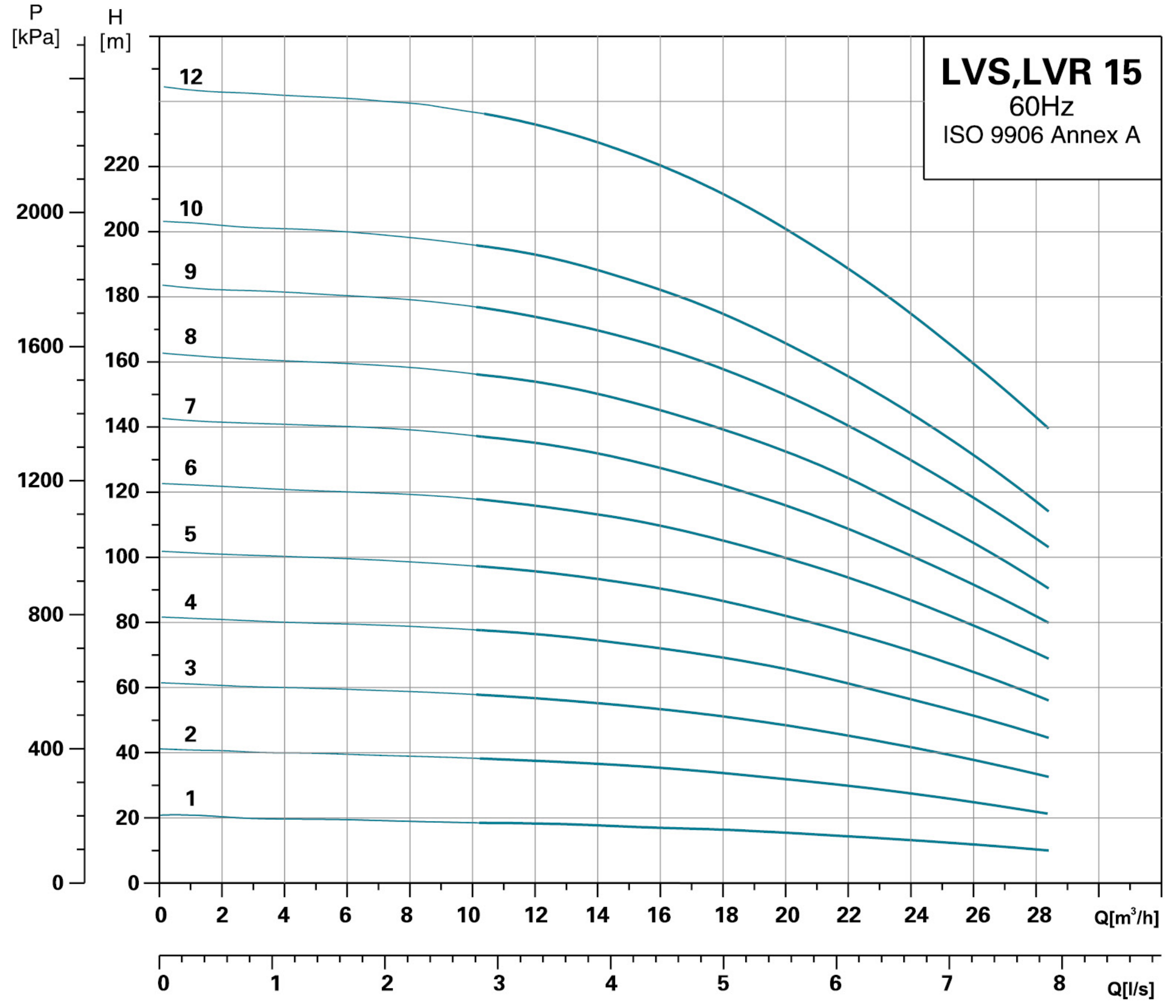
Dimension Drawing

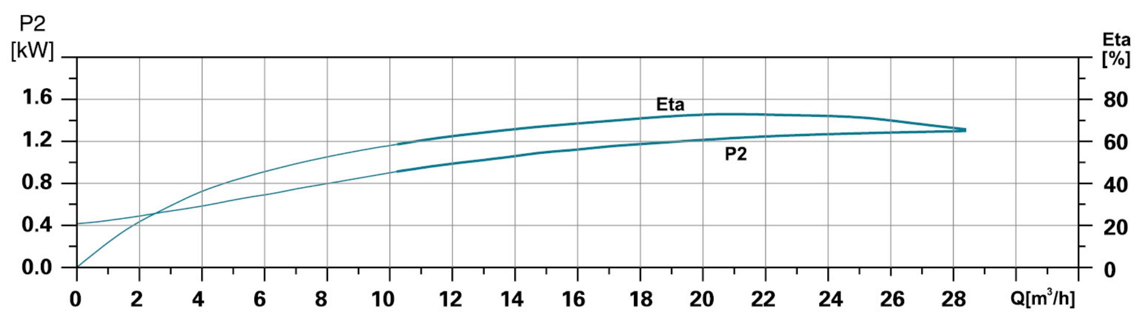
MODEL	OVAL FLANGE(LVR)		DIN FLANGE(LVS)		D1	D2
	B1	B1+B2	B1	B1+B2		
10–1	367	617	353.5	603.5	150	95
10–2	367	677	369.5	679.5	168	112
10–3	397	707	399.5	709.5	168	112
10–4	432	762	434.5	764.5	194	124
10–5	462	792	464.5	794.5	194	124
10–6	492	849	494.5	851.5	212	142
10–7	554	952	556.5	954.5	259	164
10–8	584	982	586.5	984.5	254	164
10–9	614	1012	616.5	1014.5	254	164
10–10	644	1042	646.5	1044.5	254	164
10–12	704	1102	706.5	1104.5	254	164
10–14	841	1346	843.5	1348.5	330	255
10–16	901	1406	903.5	1408.5	330	255

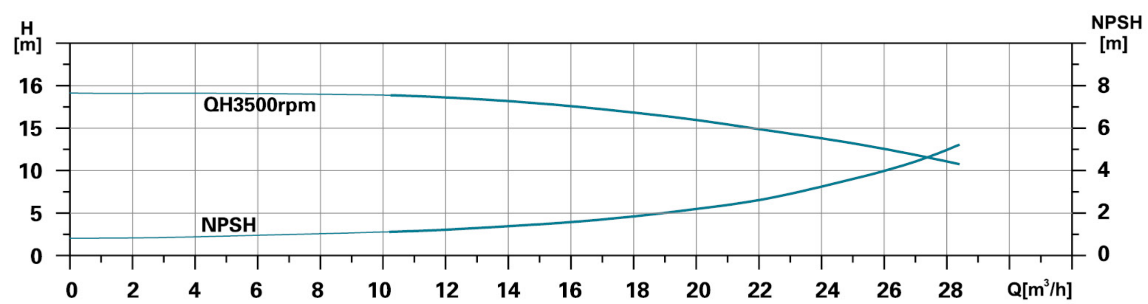


MODEL	POWER[kW]	Q[m³/h]	6.0	8.0	10	12	14
10–1	0.75	H(m)	14	13	12	10.5	8
10–2	1.5		29	28	26	23	19
10–3	2.2		44	42	39	35	29
10–4	3		59	57	53	47	40
10–5	3		74	71	66	58	50
10–6	4		90	86	80	71	60
10–7	5.5		104	101	94	84	72
10–8	5.5		119	115	107	95	82
10–9	5.5		134	129	120	106	92
10–10	7.5		149	144	135	119	103
10–12	7.5		178	172	161	142	123
10–14	11		210	203	189	169	146
10–16	11		239	231	215	190	165

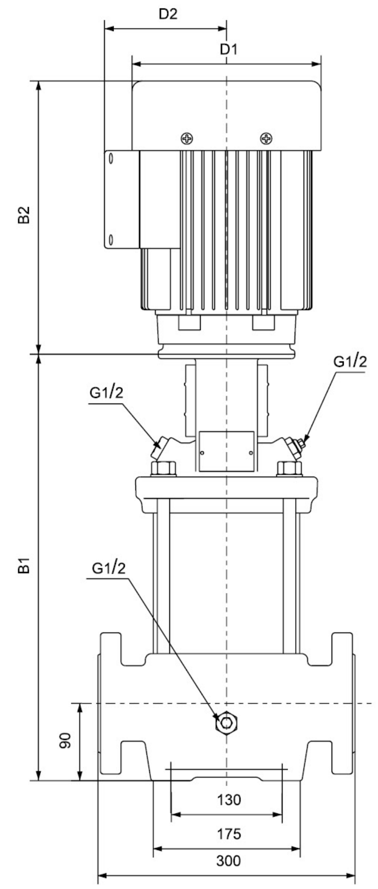
Hydraulic Performance Curves

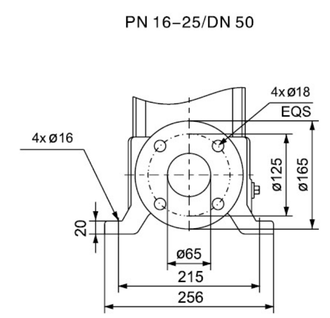




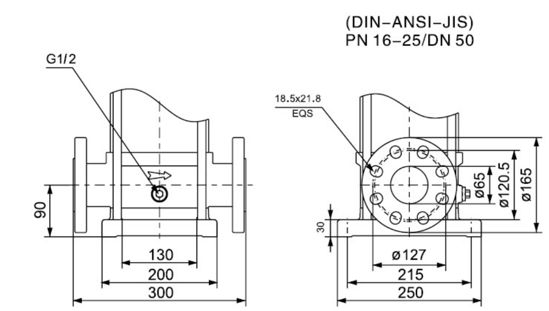


Dimension Drawing





DIN FLANGE(LVR)/F

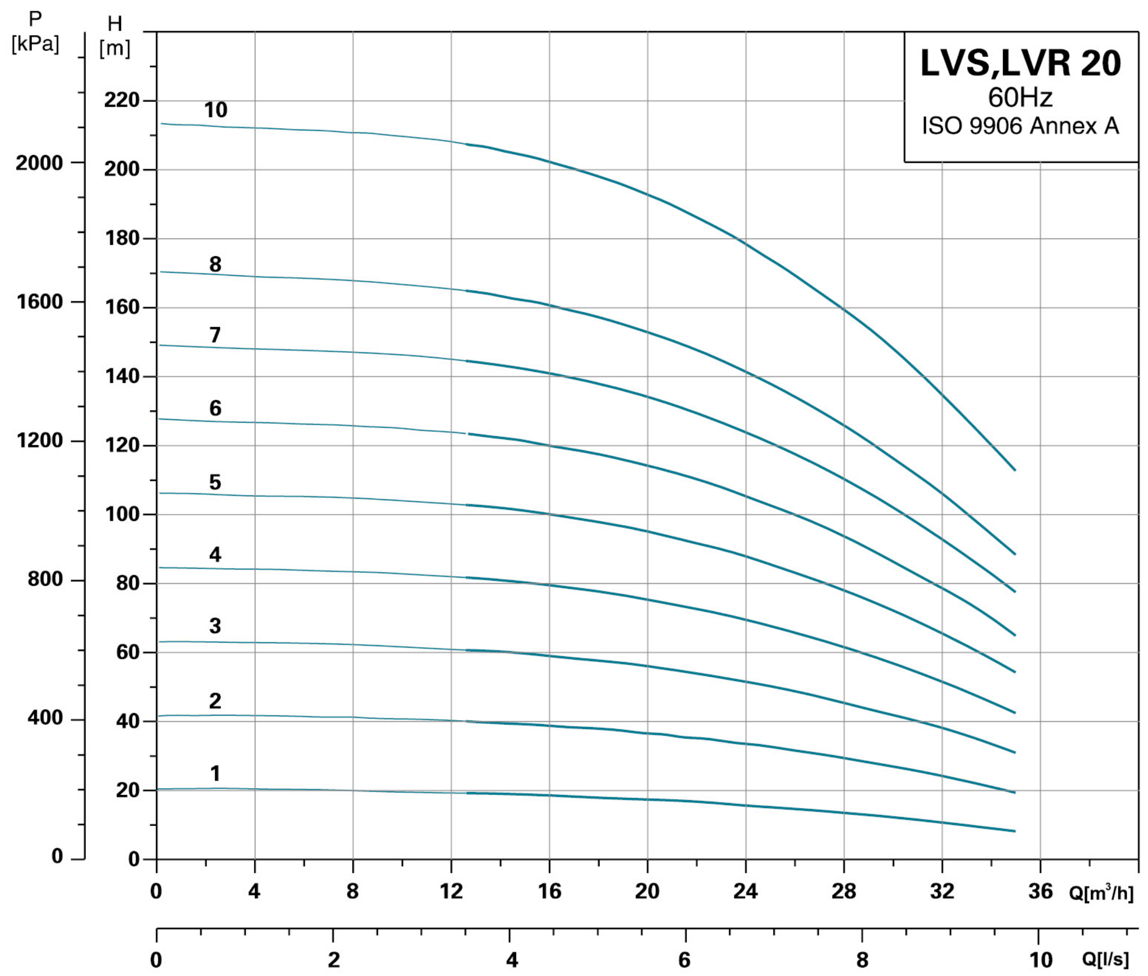


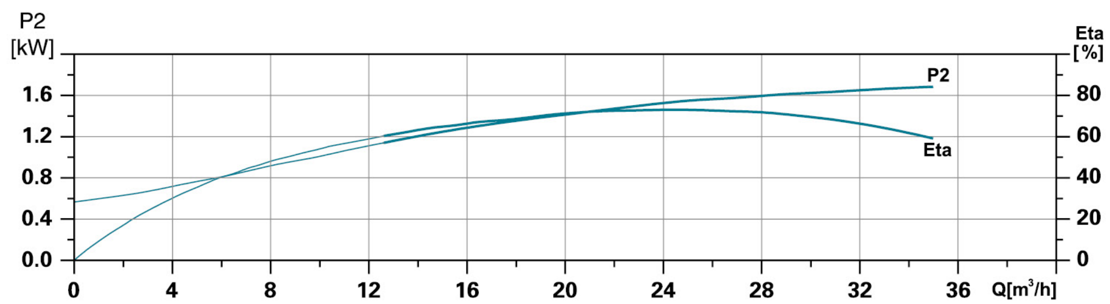
DIN FLANGE(LVS)/F

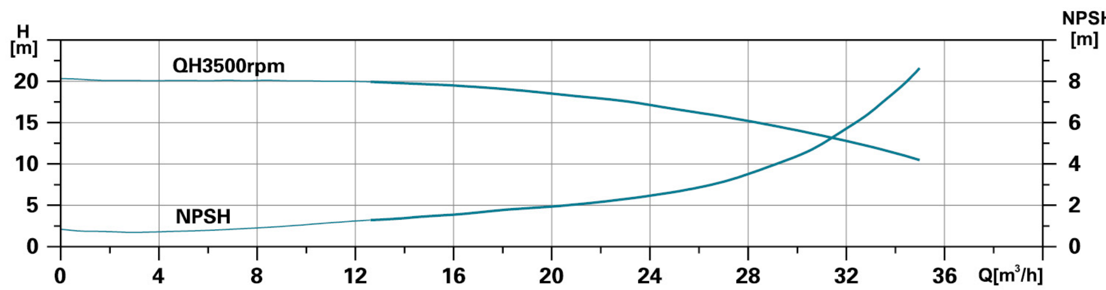
MODEL	OVAL FLANGE(LVR)		DIN FLANGE(LVS)		D1	D2
	B1	B1+B2	B1	B1+B2		
15-1	415	725	413.5	723.5	168	112
15-2	420	750	418.5	748.5	194	124
15-3	465	822	463.5	820.5	212	142
15-4	542	940	540.5	938.5	259	164
15-5	587	985	585.5	983.5	259	164
15-6	709	1214	707.5	1212.5	330	255
15-7	754	1259	752.5	1257.5	330	255
15-8	799	1304	797.5	1302.5	330	255
15-9	844	1349	842.5	1347.5	330	255
15-10	889	1394	887.5	1392.5	330	255
15-12	979	1539	977.5	1537.5	330	255

MODEL	POWER[kW]	Q[m³/h]	12	16	20	24	28
15-1	1.5	H(m)	18	17	15	12	9
15-2	3		38	35	32	27	22
15-3	4		57	53	48	42	33
15-4	5.5		76	72	65	56	46
15-5	7.5		96	90	81	71	57
15-6	11		116	110	98	87	70
15-7	11		135	127	114	101	82
15-8	11		154	145	130	114	93
15-9	15		174	164	148	130	105
15-10	15		193	182	164	144	117
15-12	18.5		233	220	198	174	142

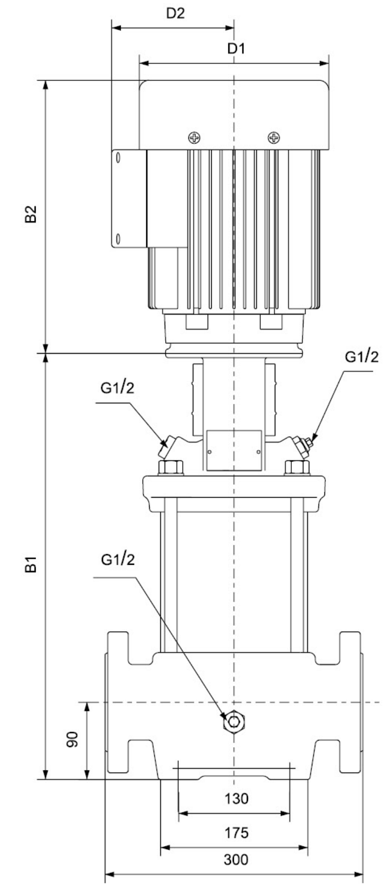
Hydraulic Performance Curves



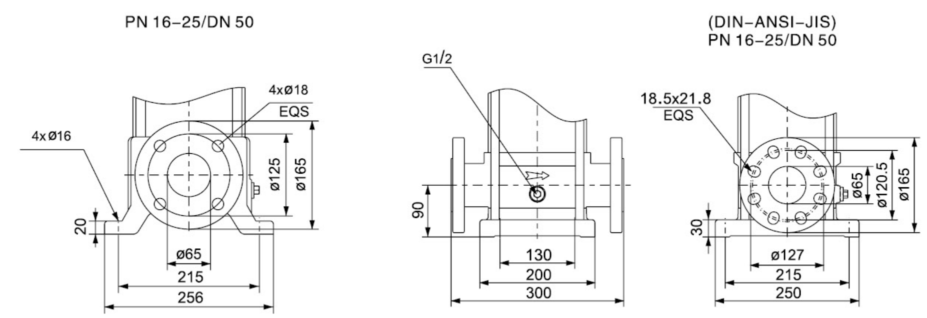




Dimension Drawing



DIN FLANGE(LVR)/F



DIN FLANGE(LVS)/F

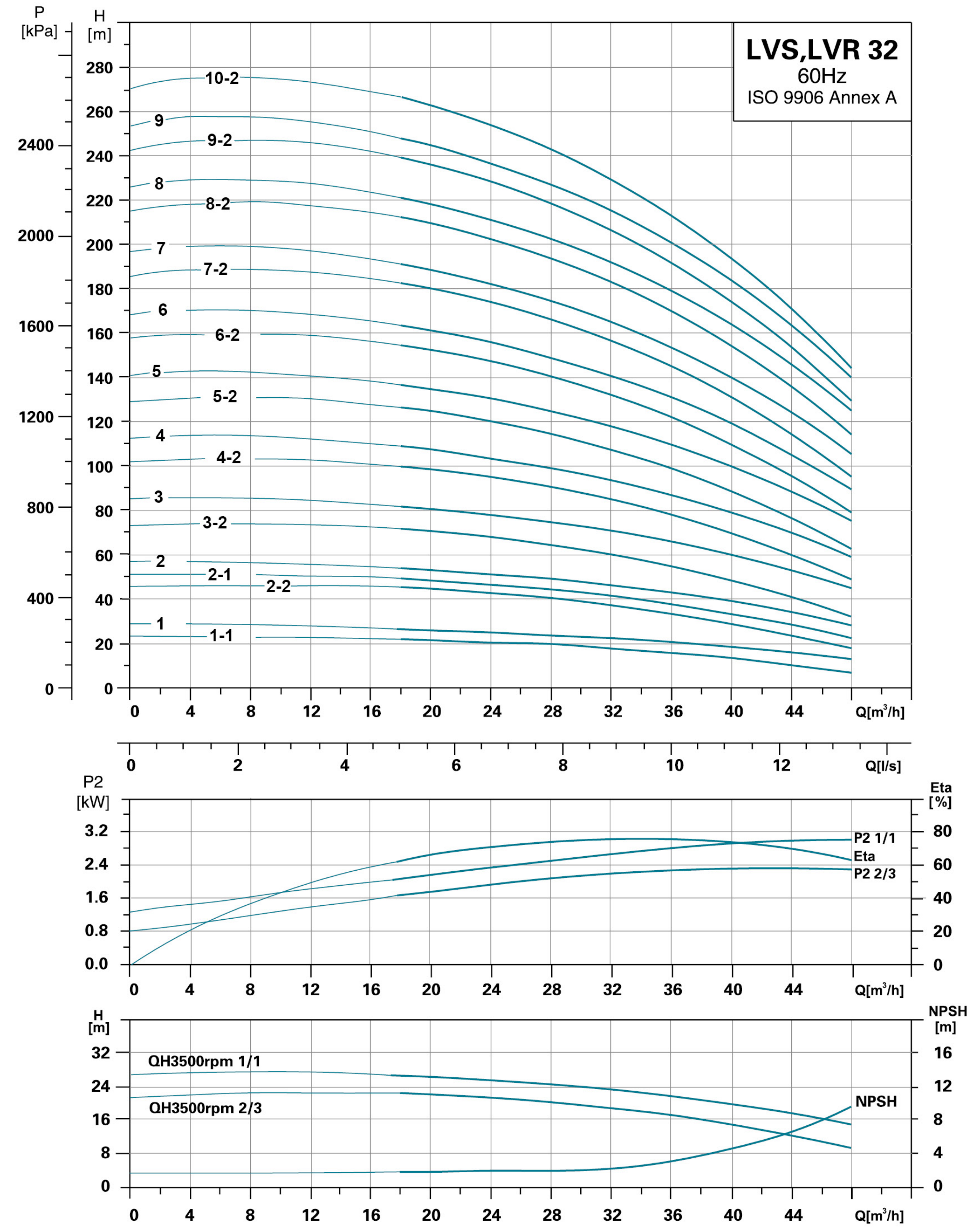
MODEL	OVAL FLANGE(LVR)		DIN FLANGE(LVS)		D1	D2
	B1	B1+B2	B1	B1+B2		
20-1	415	725	413.5	723.5	168	112
20-2	420	777	418.5	775.5	212	142
20-3	497	895	495.5	893.5	259	164
20-4	542	940	540.5	938.5	259	164
20-5	664	1169	662.5	1167.5	330	255
20-6	709	1214	707.5	1212.5	330	255
20-7	754	1259	752.5	1257.5	330	255
20-8	799	1304	797.5	1302.5	330	255
20-10	889	1449	887.5	1447.5	330	255

MODEL	POWER[kW]	Q[m³/h]	13	17	21	25	29
20-1	2.2	H(m)	19	18	17	15	13
20-2	4		40	38	36	33	28
20-3	5.5		60	58	55	50	44
20-4	7.5		81	78	74	67	59
20-5	11		103	99	93	85	75
20-6	11		123	119	112	100	89
20-7	15		144	139	132	119	106
20-8	15		164	159	150	135	121
20-10	18.5		207	200	189	171	154

LVS/LVR

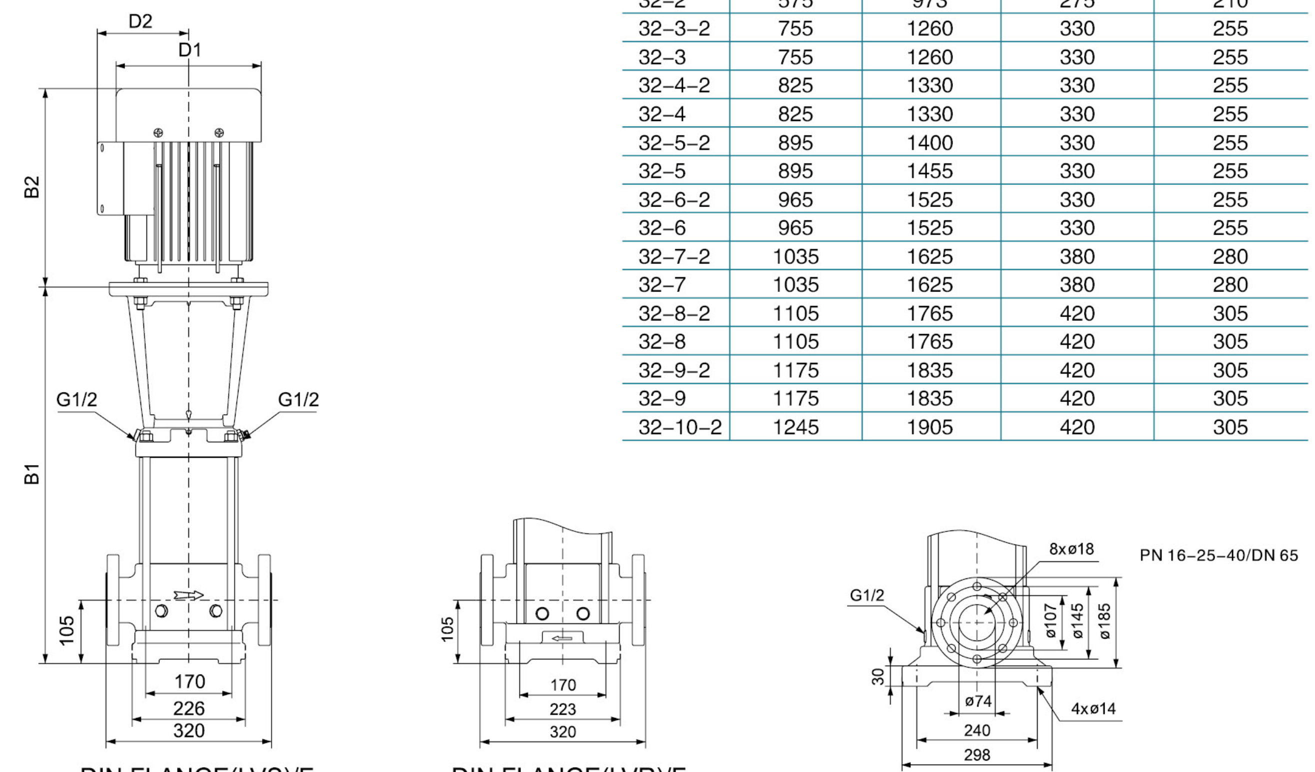
Stainless Steel Vertical Multistage Pump

Hydraulic Performance Curves



Dimension Drawing

MODEL	DIN FLANGE (LVS)		D1	D2
	B1	B1+B2		
32-1-1	455	765	168	112
32-1	455	785	194	124
32-2-2	575	973	275	210
32-2-1	575	973	275	210
32-2	575	973	275	210
32-3-2	755	1260	330	255
32-3	755	1260	330	255
32-4-2	825	1330	330	255
32-4	825	1330	330	255
32-5-2	895	1400	330	255
32-5	895	1455	330	255
32-6-2	965	1525	330	255
32-6	965	1525	330	255
32-7-2	1035	1625	380	280
32-7	1035	1625	380	280
32-8-2	1105	1765	420	305
32-8	1105	1765	420	305
32-9-2	1175	1835	420	305
32-9	1175	1835	420	305
32-10-2	1245	1905	420	305

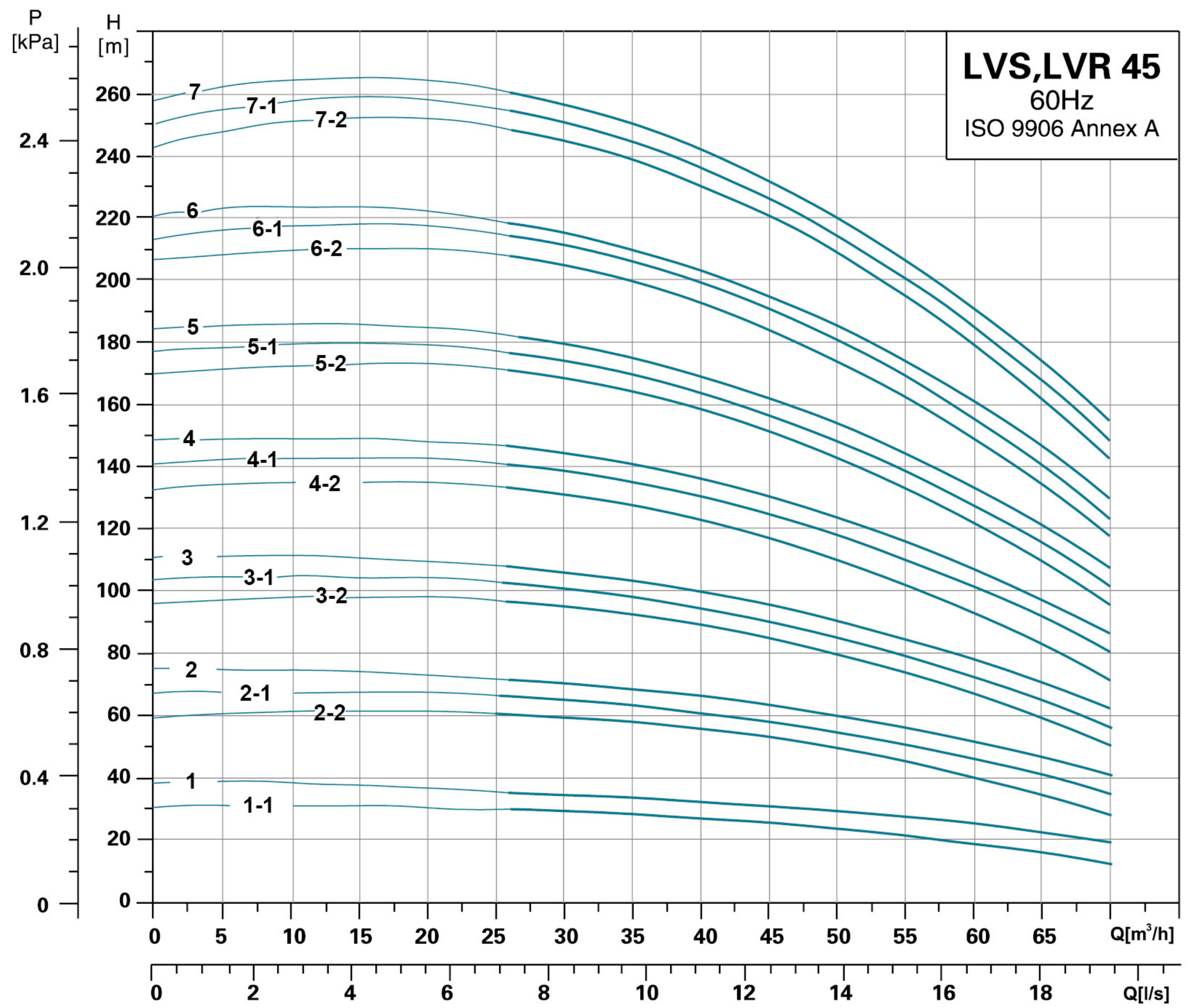


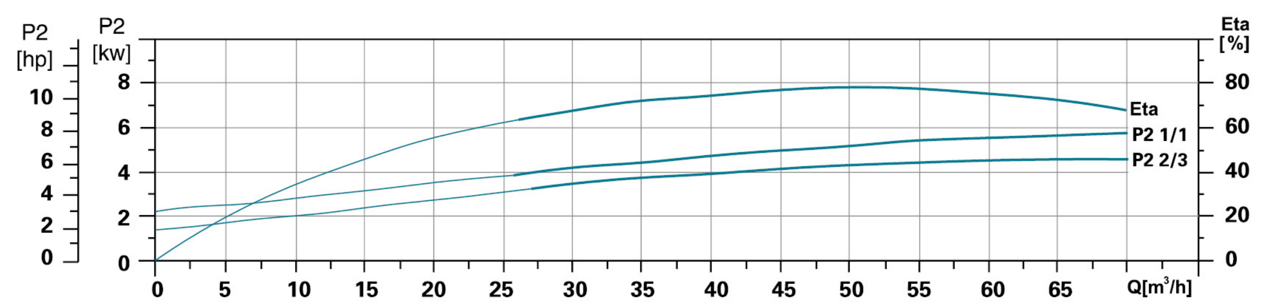
DIN FLANGE(LVS)/F

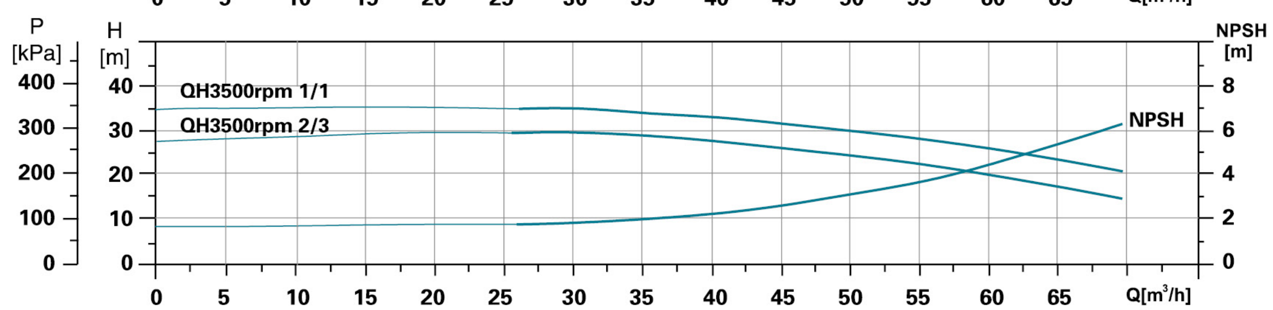
DIN FLANGE(LVR)/F

MODEL	POWER[kW]	Q[m³/h]	20	25	30	36	40	48
32-1-1	2.2	H(m)	21	20	18	15.5	13	7
32-1	3		25	24	23	20.5	18	13
32-2-2	5.5		44	42	39	33	29	18
32-2-1	5.5		48	46	43	38	33	23
32-2	7.5		53	51	48	43	39	29
32-3-2	11		71	67	62	55	48	32
32-3	11		81	77	73	66	60	45
32-4-2	11		98	94	88	78	70	49
32-4	15		107	103	96	87	79	59
32-5-2	15		125	119	111	99	89	63
32-5	18.5		135	129	122	110	100	75
32-6-2	18.5		153	146	136	122	110	80
32-6	18.5		161	154	145	131	119	90
32-7-2	22		180	172	162	145	131	96
32-7	22		188	180	170	154	141	106
32-8-2	30		209	201	189	170	154	115
32-8	30		218	209	198	179	164	126
32-9-2	30		236	226	213	192	174	130
32-9	30		245	235	222	201	184	140
32-10-2	30		263	252	237	214	194	145

Hydraulic Performance Curves

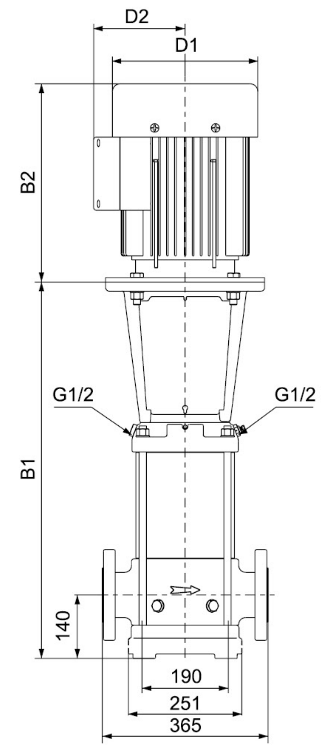




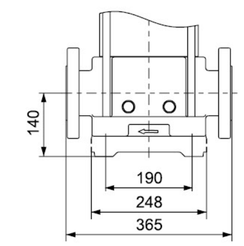


Dimension Drawing

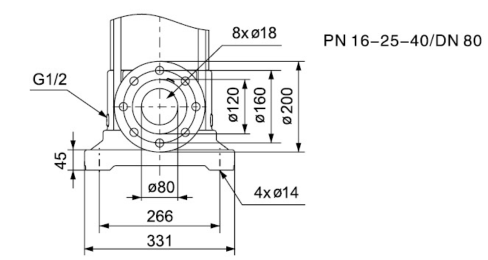
MODEL	DIN FLANGE (LVS)		D1	D2
	B1	B1+B2		
45–1–1	455	958.5	275	210
45–1	455	958.5	275	210
45–2–2	575	1256	330	255
45–2–1	575	1256	330	255
45–2	575	1256	330	255
45–3–2	755	1391	330	255
45–3–1	755	1391	330	255
45–3	825	1391	330	255
45–4–2	825	1501	380	280
45–4–1	895	1571	420	305
45–4	895	1571	420	305
45–5–2	965	1651	420	305
45–5–1	965	1651	420	305
45–5	1035	1651	420	305
45–6–2	1035	1731	420	305
45–6–1	1105	1731	420	305
45–6	1105	1731	420	305
45–7–2	1175	1861	470	335
45–7–1	1175	1861	470	335
45–7	1245	1861	470	335



DIN FLANGE(LVS)/F

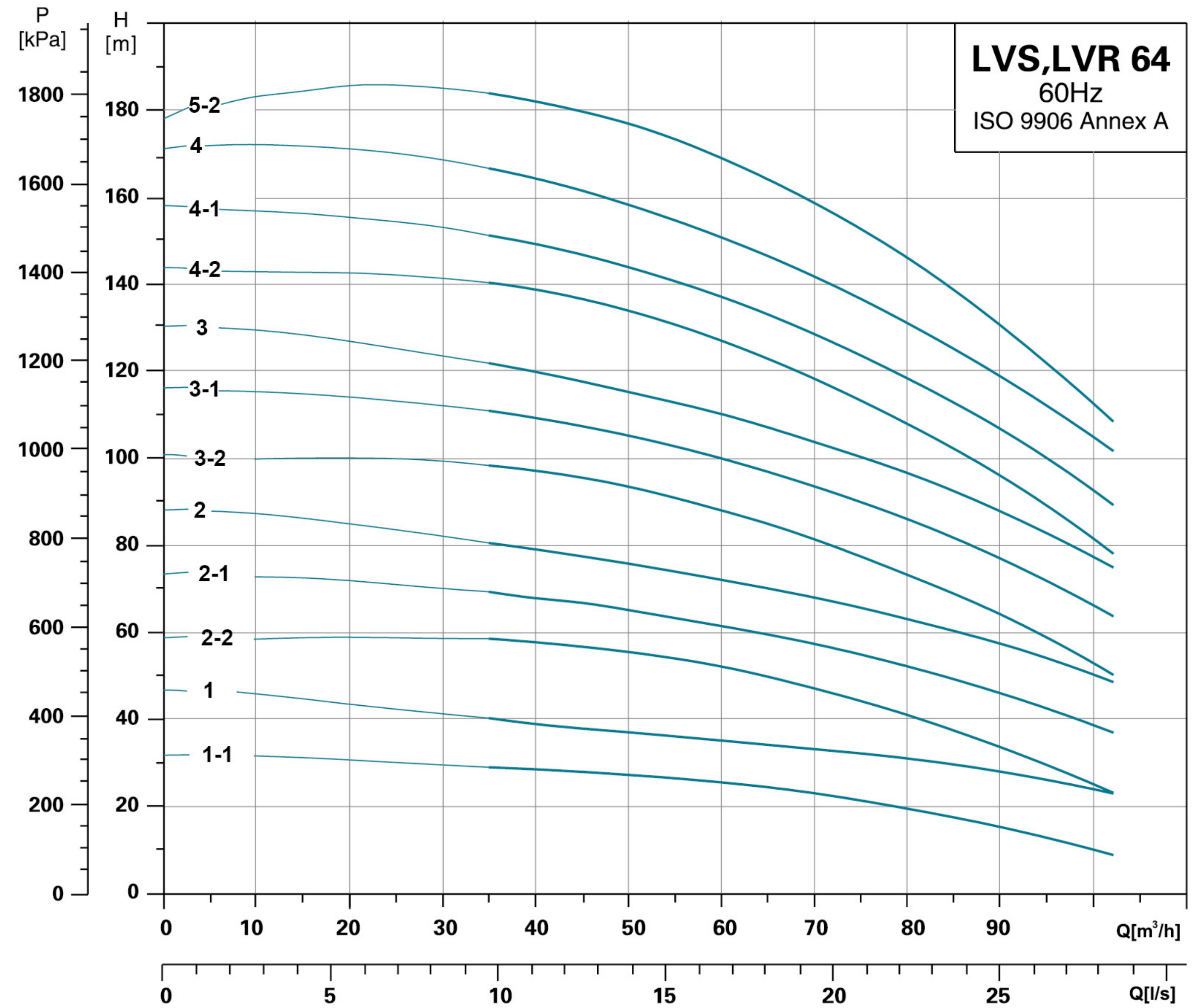


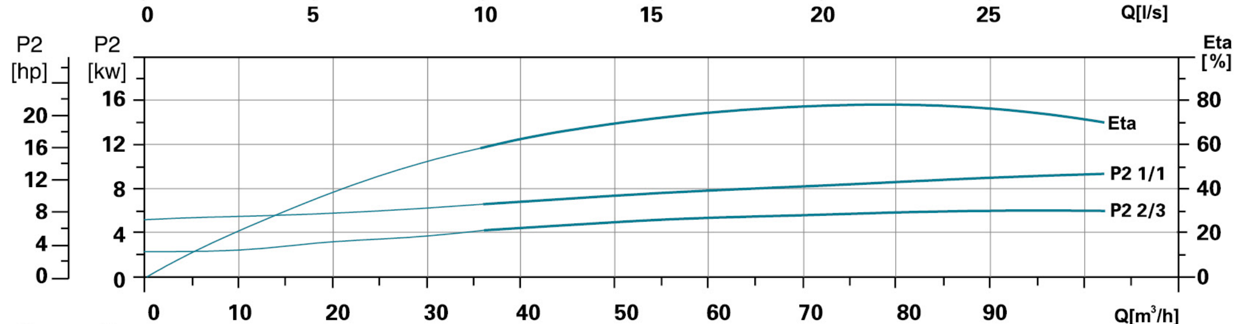
DIN FLANGE(LVR)/F

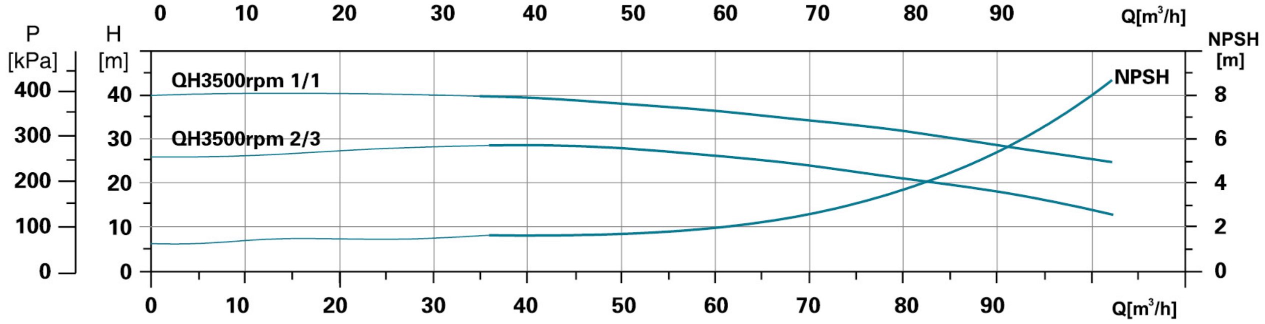


MODEL	POWER[kW]	Q[m³/h]	30	40	50	54	60	70
45–1–1	5.5	H(m)	29	27	24	22	19	13
45–1	7.5		34	32	29	28	25	20
45–2–2	11		60	56	49	46.5	40	28
45–2–1	11		65	61	55	51.5	46	35
45–2	15		70	66	60	57	52	41
45–3–2	18.5		95	89	80	75.5	67	51
45–3–1	18.5		101	94	85	80.5	72	57
45–3	18.5		106	100	90	86	78	62
45–4–2	22		131	123	110	104	93	72
45–4–1	30		139	131	118	112	102	81
45–4	30		144	136	124	118	107	87
45–5–2	30		169	159	143	135	122	96
45–5–1	30		174	164	148	141	128	102
45–5	30		179	169	154	146	134	108
45–6–2	37		205	193	174	165	149	118
45–6–1	37		211	199	181	172	156	124
45–6	37		215	203	185	176	161	130
45–7–2	45		245	231	209	198	180	143
45–7–1	45		251	236	214	204	185	149
45–7	45		257	242	220	209	191	155

Hydraulic Performance Curves

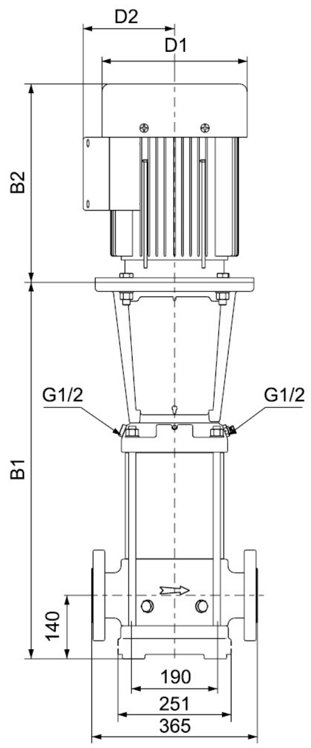




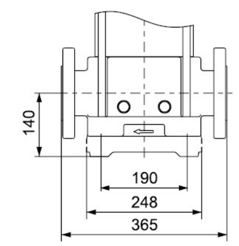


Dimension Drawing

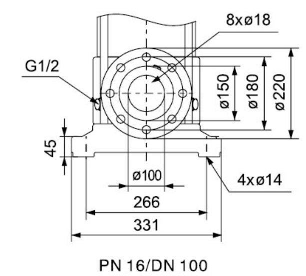
MODEL	DIN FLANGE (LVS)		D1	D2
	B1	B1+B2		
64–1–1	563	961	275	210
64–1	673	1178	330	255
64–2–2	755.5	1261	330	255
64–2–1	755.5	1316	330	255
64–2	755.5	1346	380	280
64–3–2	838	1428	380	280
64–3–1	838	1498	420	305
64–3	838	1498	420	305
64–4–2	920.5	1581	420	305
64–4–1	920.5	1581	420	305
64–4	920.5	1631	470	335
64–5–2	1003	1713	470	335



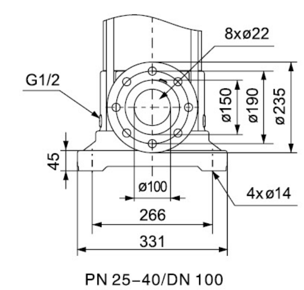
DIN FLANGE(LVS)/F



DIN FLANGE(LVR)/F



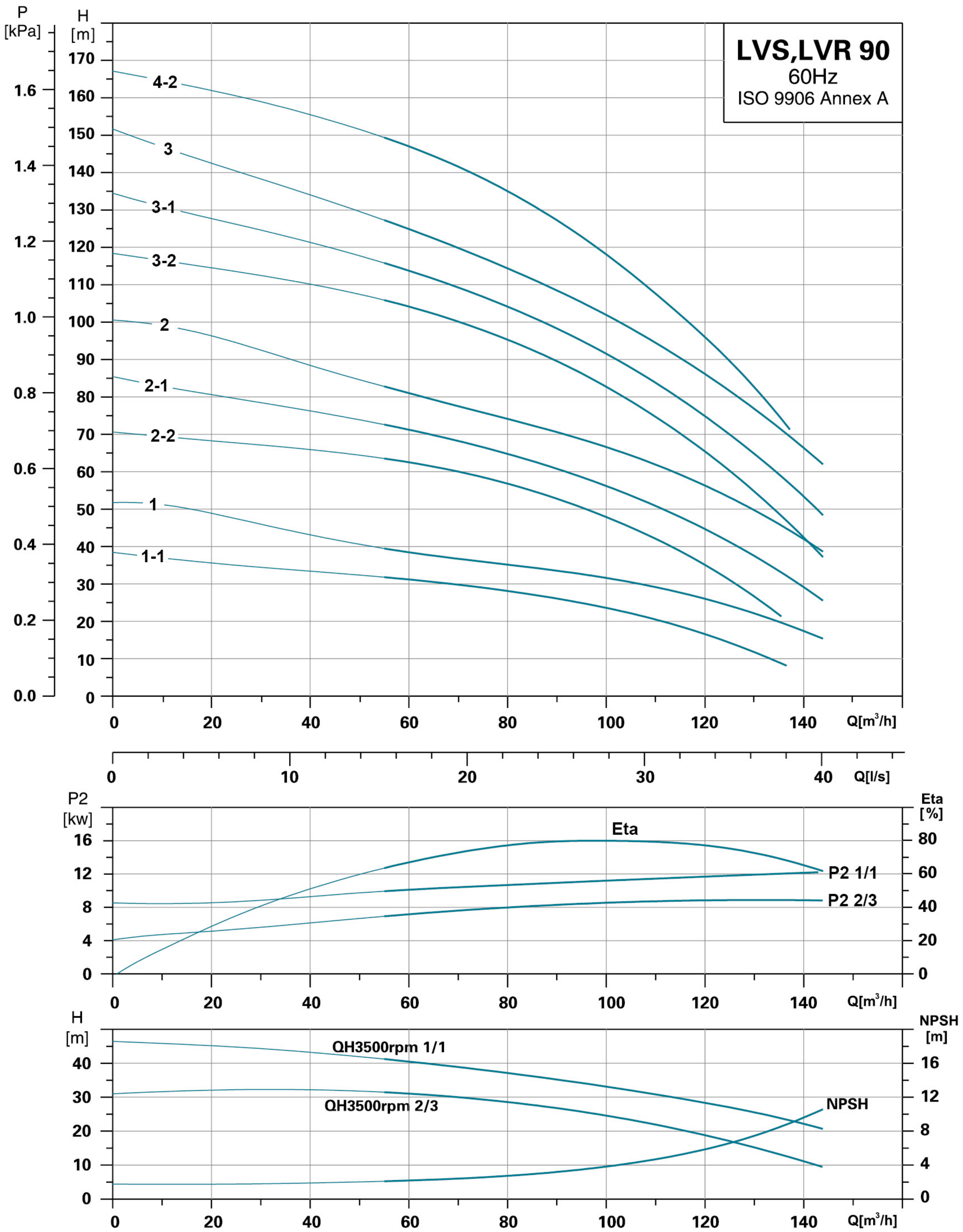
PN 16/DN 100



PN 25–40/DN 100

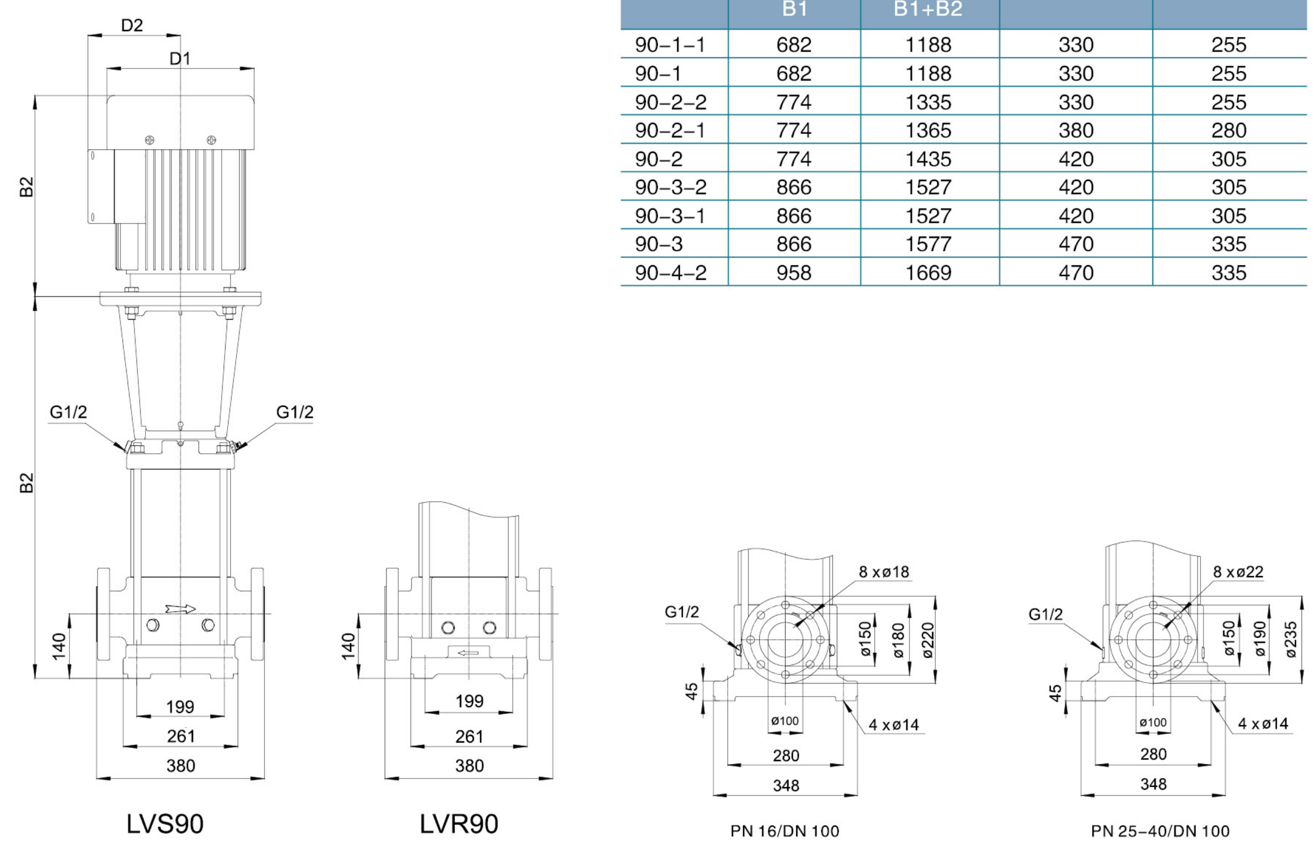
MODEL	POWER[kW]	Q[m³/h]	40	60	70	77	90	100
64–1–1	7.5	H(m)	28	27	23	20.5	15	10
64–1	11		38	35	33	31	27	24
64–2–2	15		57	52	47	43	33	24
64–2–1	18.5		68	61	57	53.5	46	38
64–2	22		79	72	68	64.5	57	49
64–3–2	22		97	88	81	76	64	53
64–3–1	30		109	100	93	88	77	66
64–3	30		120	110	104	99	87	77
64–4–2	37		139	127	119	111	96	81
64–4–1	37		150	137	129	122	106	92
64–4	45		164	151	142	135	119	104
64–5–2	45		182	169	159	150	131	112

Hydraulic Performance Curves



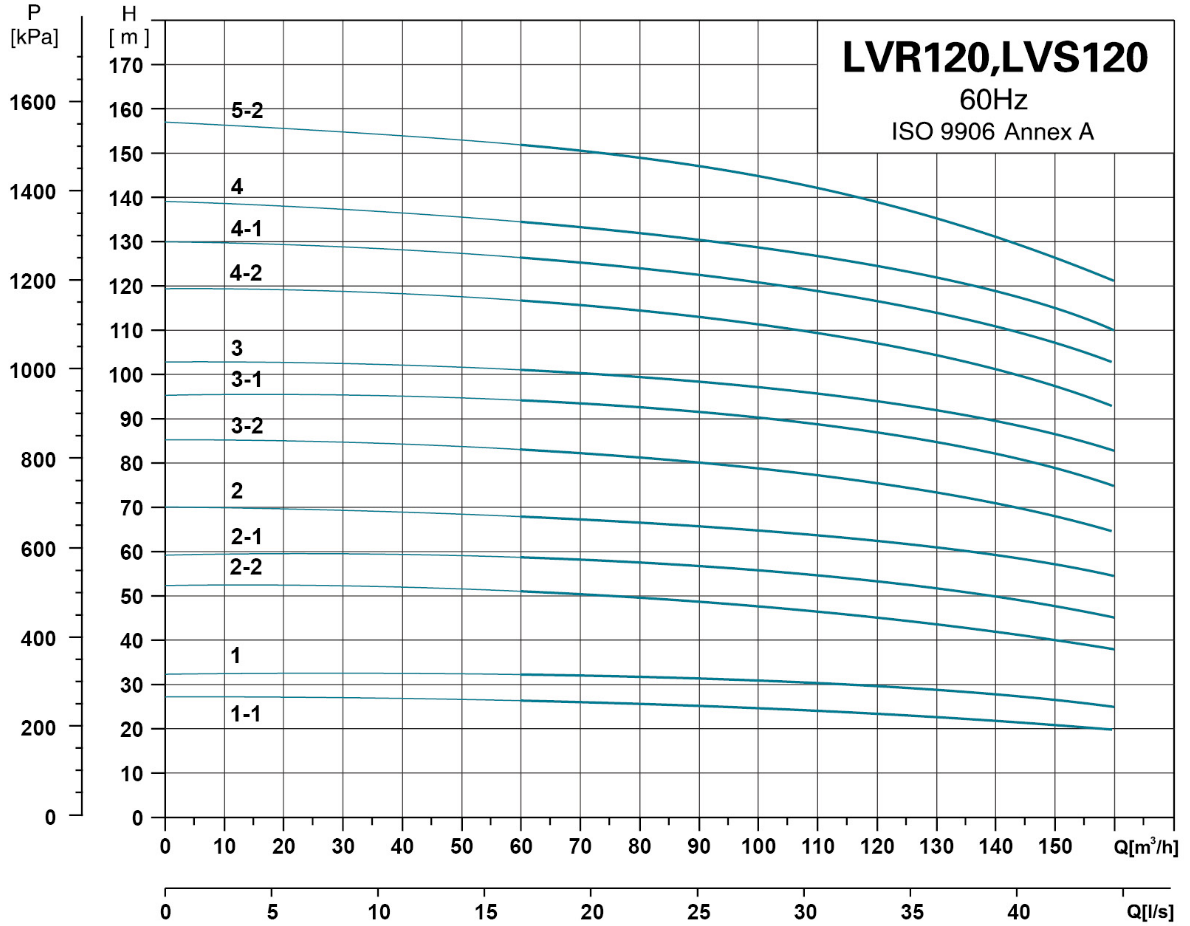
Dimension Drawing

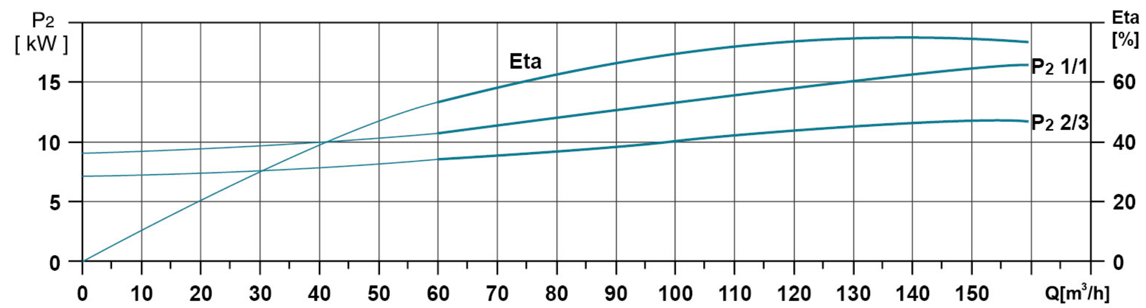
MODEL	DIN FLANGE (LVS)		D1	D2
	B1	B1+B2		
90–1–1	682	1188	330	255
90–1	682	1188	330	255
90–2–2	774	1335	330	255
90–2–1	774	1365	380	280
90–2	774	1435	420	305
90–3–2	866	1527	420	305
90–3–1	866	1527	420	305
90–3	866	1577	470	335
90–4–2	958	1669	470	335

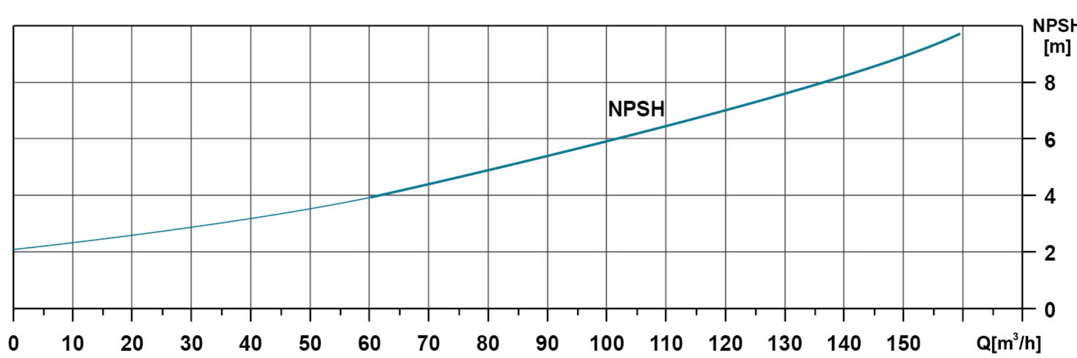


MODEL	POWER[kW]	Q[m³/h]	60	70	80	90	100	108	120
90–1–1	11	H(m)	31	30	28	26	23	21	16.5
90–1	15		38.5	36	35	33	31	29	26
90–2–2	18.5		62	60	57	53	48	42	35
90–2–1	22		71	68	65	60	56	50	44.5
90–2	30		81	77.5	74	70.5	66.5	62	56.5
90–3–2	37		104	100	95.5	89.5	83	75	65.5
90–3–1	37		114	110	104	98	91.5	83	75
90–3	45		125	120	115	108	102	94	86
90–4–2	45		147	142	135	127	118	109	95.5

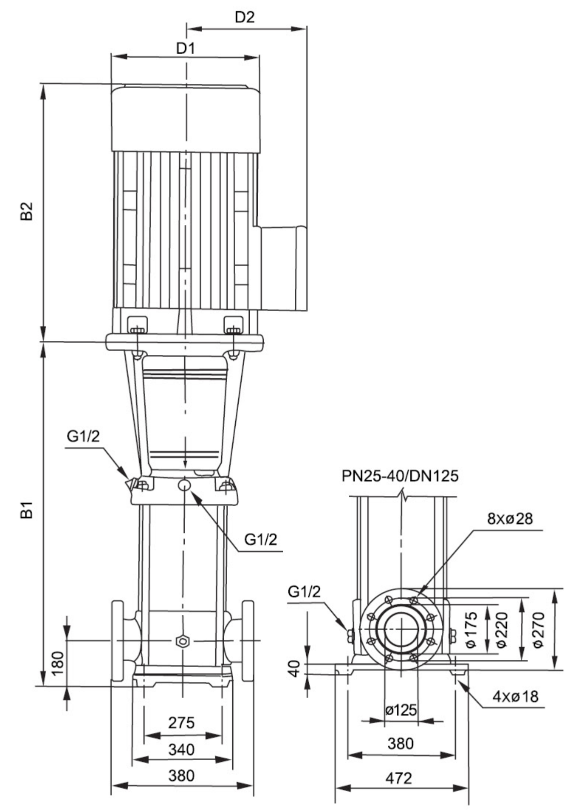
Hydraulic Performance Curves







Dimension Drawing

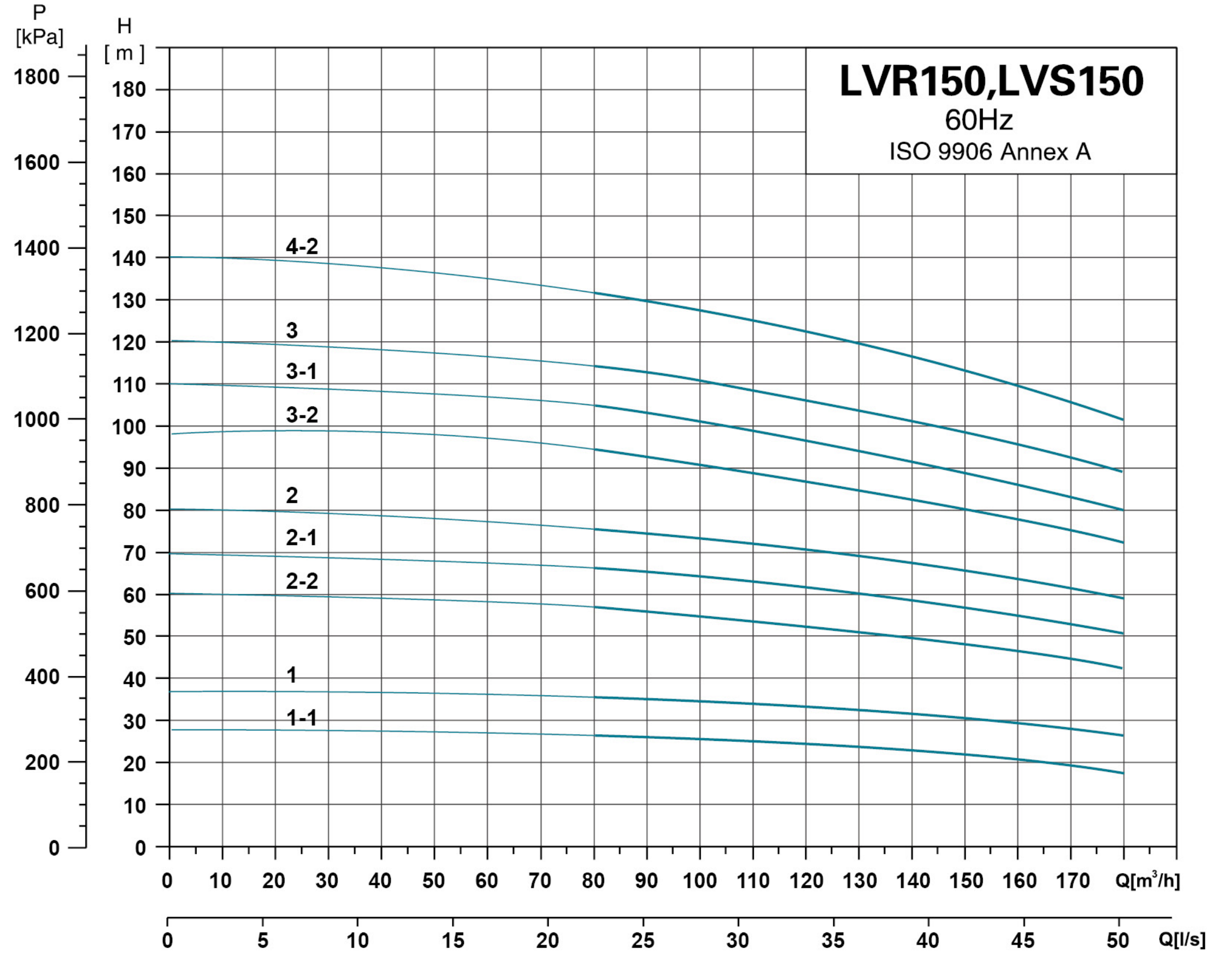


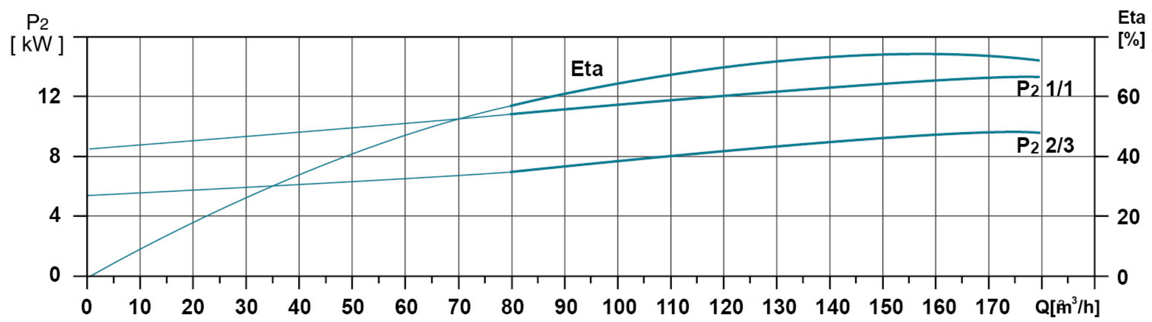
LVR(S)

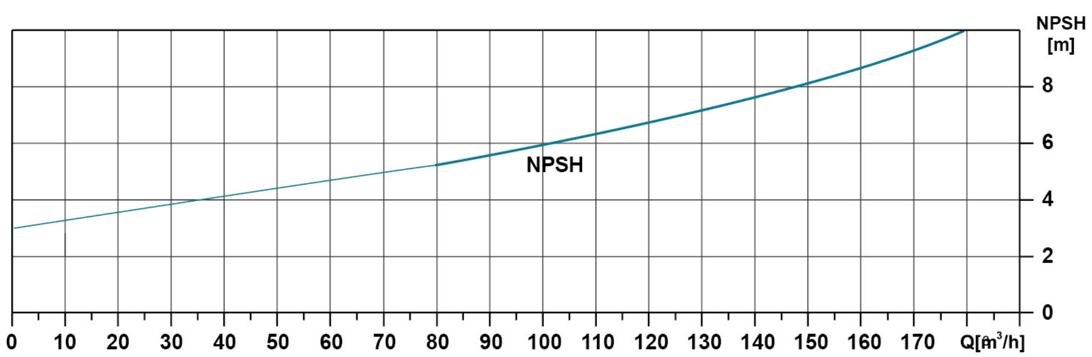
MODEL	DIN FLANGE		D1	D2
	B1	B1+B2		
120–1–1	840	1333	254	254
120–1	840	1400	330	330
120–2–2	1000	1680	420	420
120–2–1	1000	1680	420	420
120–2	1000	1680	420	420
120–3–2	1160	1875	470	470
120–3–1	1160	1875	470	470
120–3	1190	1975	510	510
120–4–2	1350	2195	580	580
120–4–1	1350	2195	580	580
120–4	1350	2195	580	580
120–5–2	1510	2355	580	580

MODEL	POWER[kW]	Q[m³/h]	60	70	80	90	100	110	120	130	140	150	160
120–1–1	15	H(m)	26.5	26	25	24.5	23.8	23	22.5	21.5	21.3	21	20
120–1	18.5		30.8	30.7	30.7	30.5	30.3	29.5	28.8	27.6	26.4	25.4	24.4
120–2–2	30		51.5	50.5	49.5	47.5	46	45.5	44.8	43	41	39.7	38.5
120–2–1	30		58.3	58	57.3	56	54.7	54	53	51.5	50	47.4	45
120–2	37		66.3	66	65.7	65	64.4	63	62	60.7	59.6	57	54.6
120–3–2	45		83	82	81	79.5	78	76	74.5	73.5	71	68.5	65
120–3–1	45		91.3	91	90.4	89	87.7	86	84.4	82	80	76.7	73.3
120–3	55		100.3	100	99.4	98.3	97.3	95.5	94	92	90	86.3	82.7
120–4–2	75		116	115.5	114	113	111	109	105.5	104	100	97	93
120–4–1	75		126	125.4	124.6	122.6	120.6	118.5	116.5	114	111.3	107	103
120–4	75		134	133	132	131	129.5	127.5	125	122	119	114.5	109.5
120–5–2	75		152	151	149.7	147	144	141.5	139	135.5	132	127	122

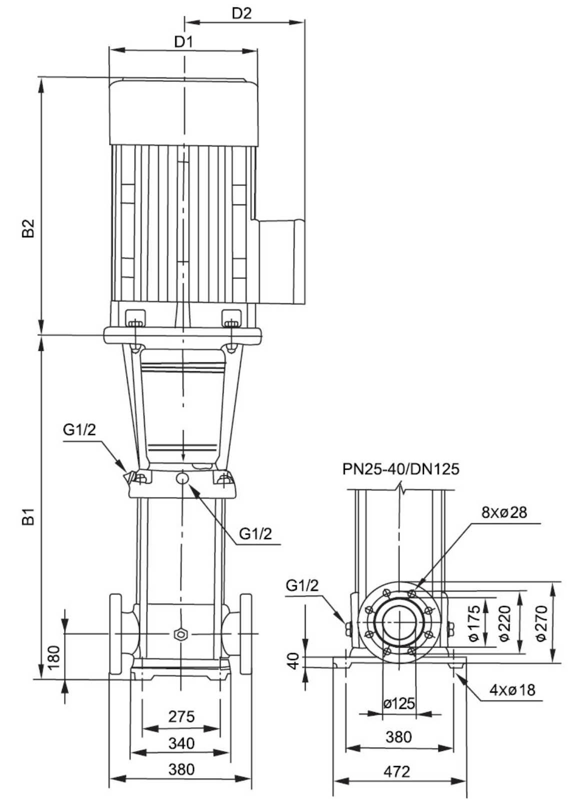
Hydraulic Performance Curves







Dimension Drawing

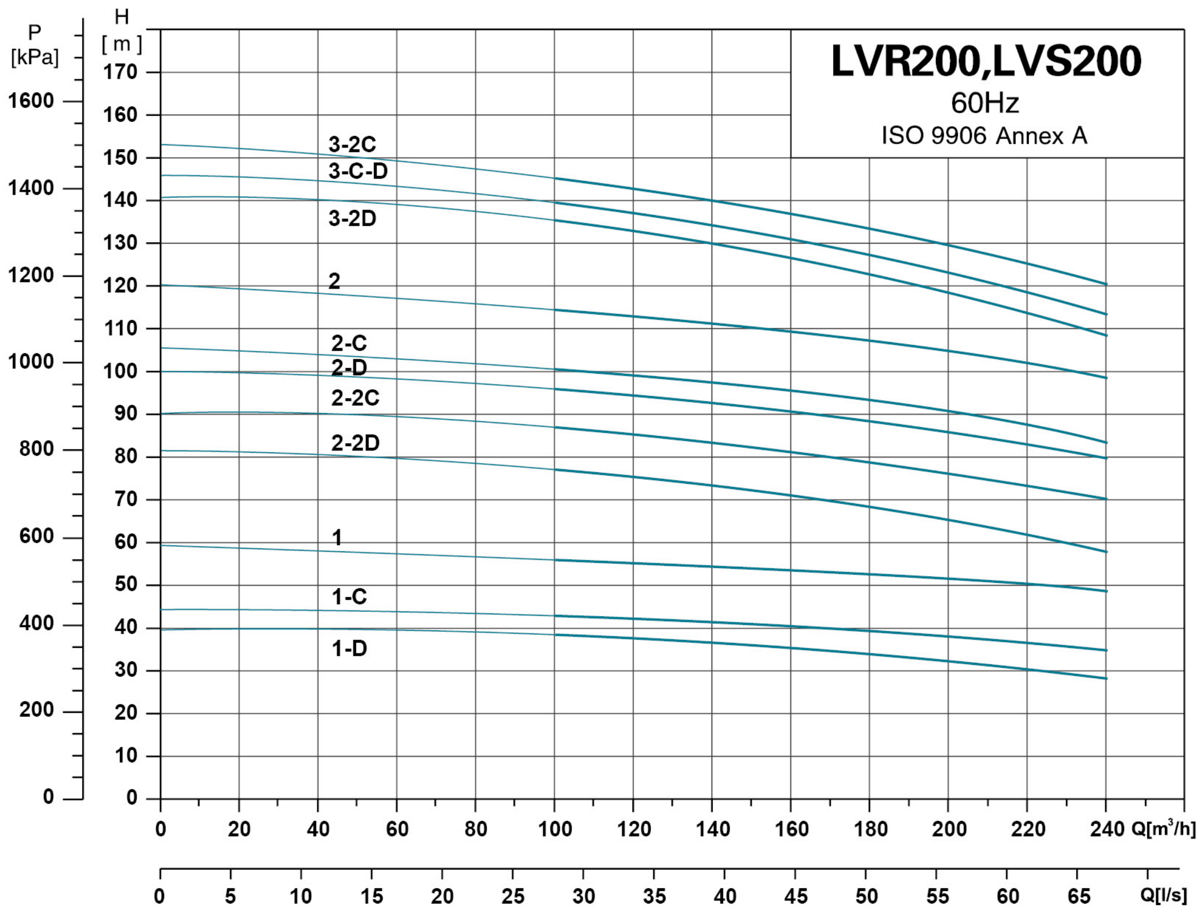


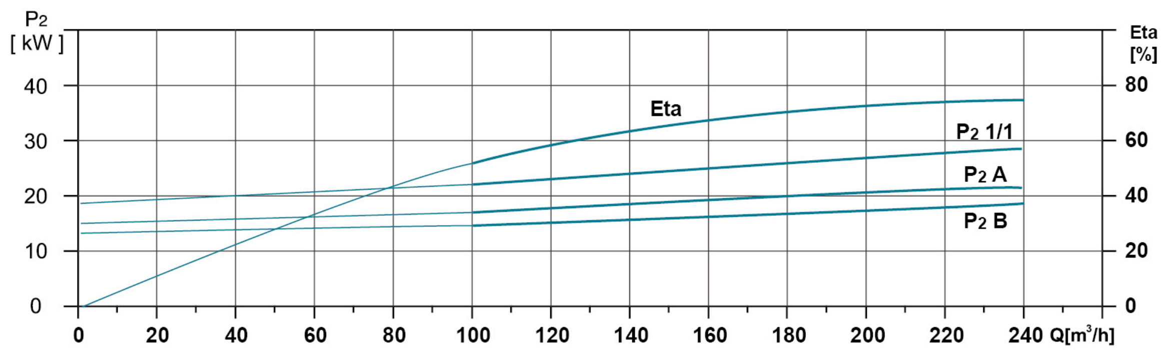
LVR(S)

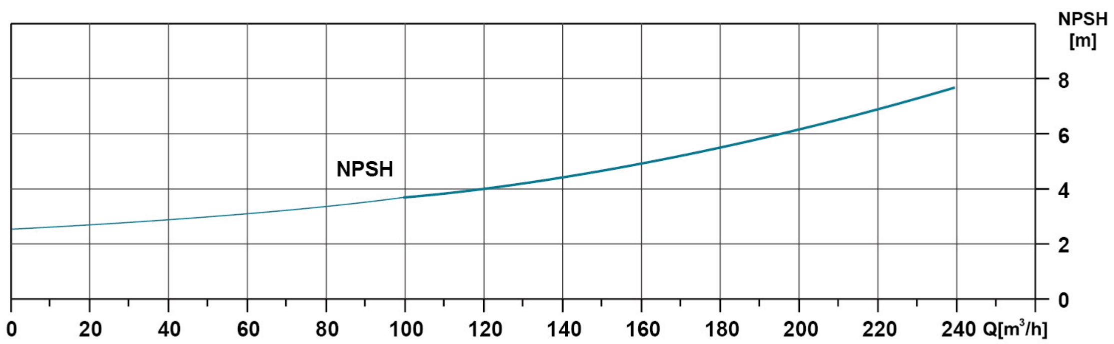
MODEL	DIN FLANGE		D1	D2
	B1	B1+B2		
150–1–1	840	1333	254	175
150–1	840	1440	380	280
150–2–2	1000	1680	420	305
150–2–1	1000	1680	420	305
150–2	1000	1715	470	335
150–3–2	1190	1975	510	370
150–3–1	1190	2035	580	410
150–3	1190	2035	580	410
150–4–2	1350	2195	580	410

MODEL	POWER[kW]	Q[m³/h]	80	90	100	110	120	130	140	150	160	170	180
150–1–1	15	H(m)	26.5	26	25.7	25	24.3	23.8	23.2	22.3	21.2	19.5	18
150–1	22		35	34.5	34	33.6	33	32.3	31.7	30.7	29.6	28	27
150–2–2	30		57	55.5	53	52	51.3	50	49	48	47	45	43
150–2–1	37		67	65	63.5	62	61	60	58.5	56	55	53	51
150–2	45		75.5	74.5	73.6	72	70.4	69	67.5	65.5	63.5	61	59
150–3–2	55		94	92	90.5	88.4	86.4	83.8	81	80	78	75.3	72.5
150–3–1	75		104	102.5	100	98	96	94	92	89	87	84	80
150–3	75		114.4	113	111.3	109	106.5	104	101.5	99	96	93	59.4
150–4–2	75		133	130.3	127.6	124.6	121.7	118.3	115	112.5	110	106.3	102.5

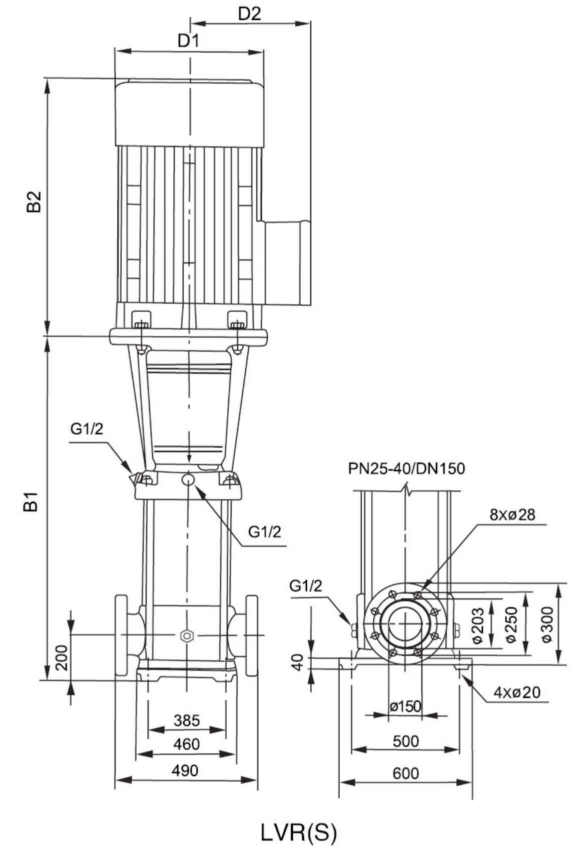
Hydraulic Performance Curves







Dimension Drawing



LVR(S)

MODEL	DIN FLANGE		D1	D2
	B1	B1+B2		
200–1–D	907	1587	420	305
200–1–C	907	1587	420	305
200–1	907	1622	470	335
200–2–2D	1131	1916	510	370
200–2–2C	1131	1976	580	410
200–2–D	1131	1976	580	410
200–2–C	1131	2026	580	410
200–2	1131	2026	580	410
200–3–2D	1325	2425	645	530
200–3–C–D	1325	2425	645	530
200–3–2C	1325	2425	645	530

MODEL	POWER[kW]	Q[m³/h]	100	120	140	160	180	200	220	240
200–1–D	30	H(m)	38	37	36.5	35.5	34	33	31	29
200–1–C	37		43	42	41.5	40	39	38	36.5	34.5
200–1	45		56	55	54.5	53.5	53	52	50.5	48.5
200–2–2D	55		77.5	75.5	73.5	71	68.5	66	62	58.5
200–2–2C	75		87	85	83	81	79	77	74	70
200–2–D	75		95.5	93.5	92.5	90.5	88.5	86	82.5	79
200–2–C	90		100	98.5	97.5	95.5	93.5	91	88	84
200–2	90		114	112.5	111	109.5	107.5	105	101.5	98.5
200–3–2D	110		135	132.5	129.5	126	122.5	119	114	108.5
200–3–C–D	110		139	136.5	134	131	125	124	119	113.5
200–3–2C	110		145	142.5	140	137	133.5	130	125.5	120

EVP
Vertical Multistage Pump

Application

- Water supply: Pressure boosting for main pipes and high-rise buildings
- Industrial pressure boosting: Water system, cleaning system, high pressure washing system and firefighting system
- Pressure boosting for pressure tank, sprinkling irrigation and trichling irrigation
- Air conditioner, cooling system and industrial cleaning

Features

- Economic vertical multistage pumps
- Applicable for a wide scope of different temperatures, flow rates and pressure ranges
- Water inlet and outlet can be rotated for proper assembly in accordance with installation requirement
- Easy installation and maintenance
- Advanced hydraulic model design, featuring stable operation and high efficiency
- Cast iron water inlet and outlet with special anti-rust treatment
- High-strength engineering plastic flow passage components
- Reliable stainless steel welded shaft

Working Conditions

- Liquid temperature: +5℃ ~ 60℃
- Maximum ambient temperature: +40℃
- Maximum pressure: 15 bar
- Altitude: up to 1000 m

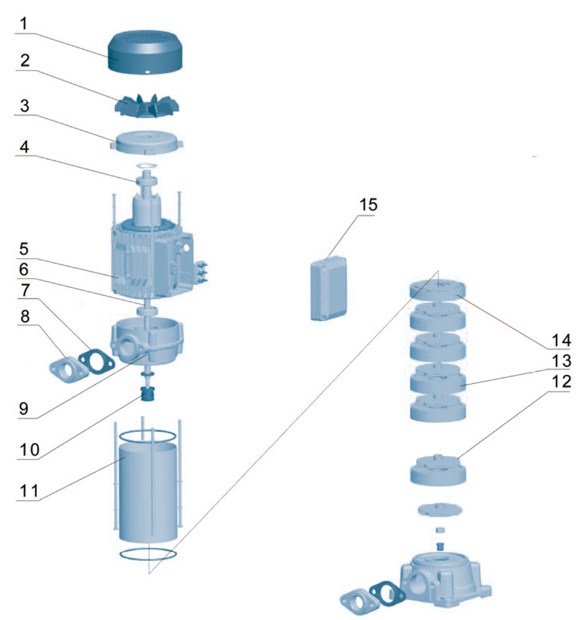
Identification Codes

EVP m 2 – 6

- 6 — Impeller Stage
- 2 — Rated Flow (m^3/h)
- m — Single Phase (Three-phase model without m)
- EVP — Vertical Multistage Centrifugal Pump

Materials Table

No.	Part	Material
1	Fan cover	08F
2	Fan	PP
3	Rear cover	Cast iron
4	Bearing	
5	Stator	
6	Rotor	
7	Gasket	Rubber
8	Flange	Cast iron
9	Motor bracket	Aluminum
10	Machanical seal	Ceramic/Carbon
11	Pump barrel	AISI 304
12	Impeller	Plastic
13	Diffuser	Plastic
14	Last stage diffuser	Plastic
15	Capacitor box	Plastic

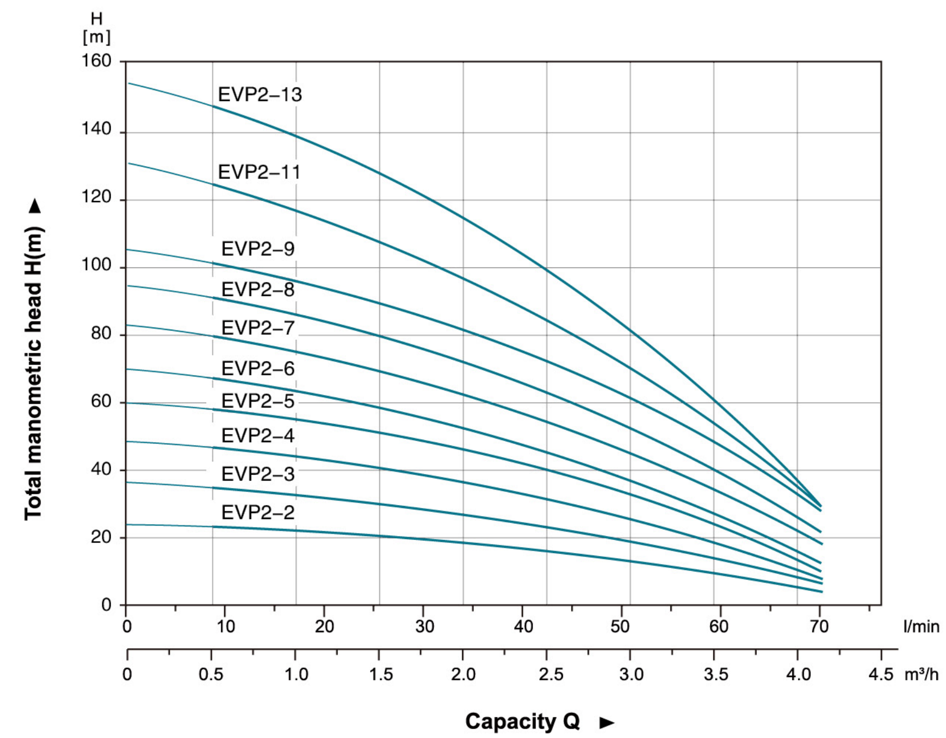


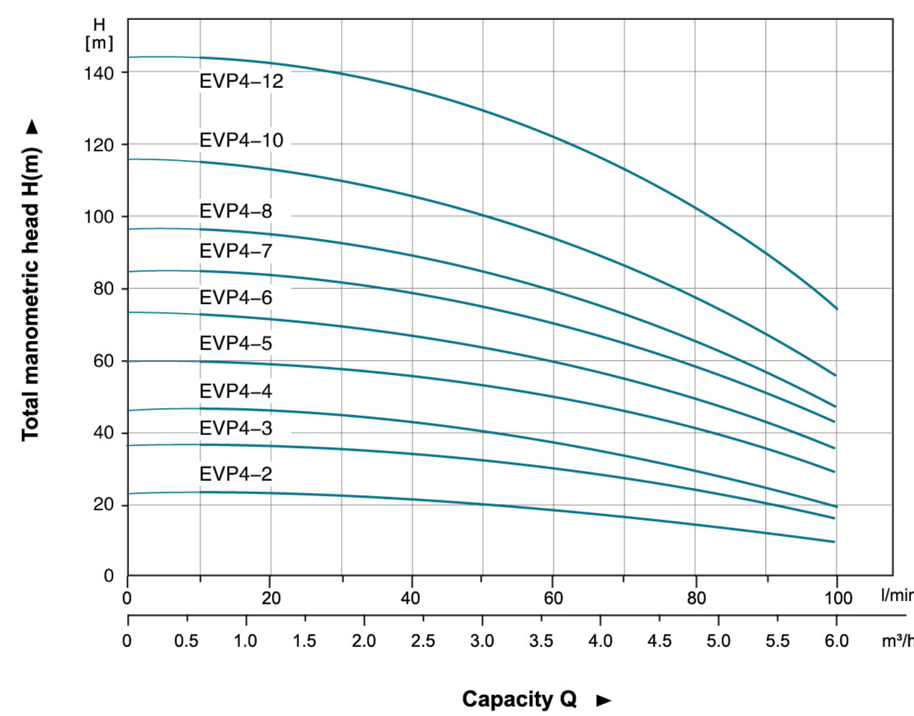
Model Selection Instructions

- Voltage and frequency: Single-phase 220-240V/60Hz;
  Three-phase 380-415V/60Hz.

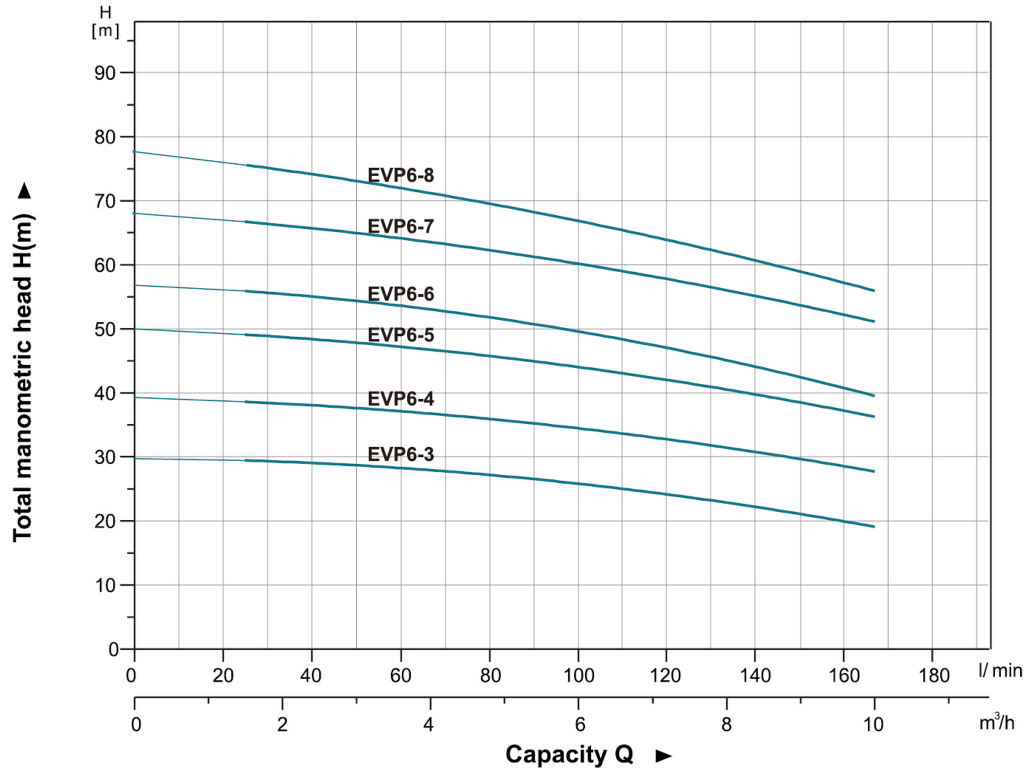
Please choose the pump with appropriate flow rate and head to meet your actual demand.

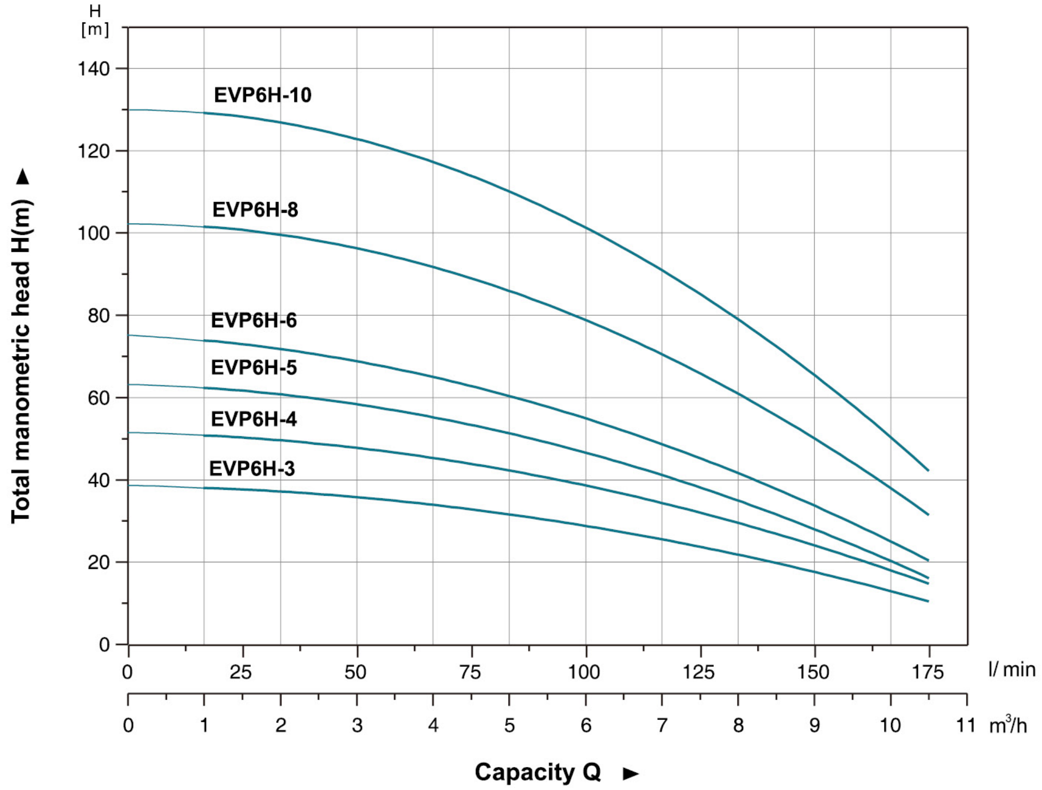
Hydraulic Performance Curves



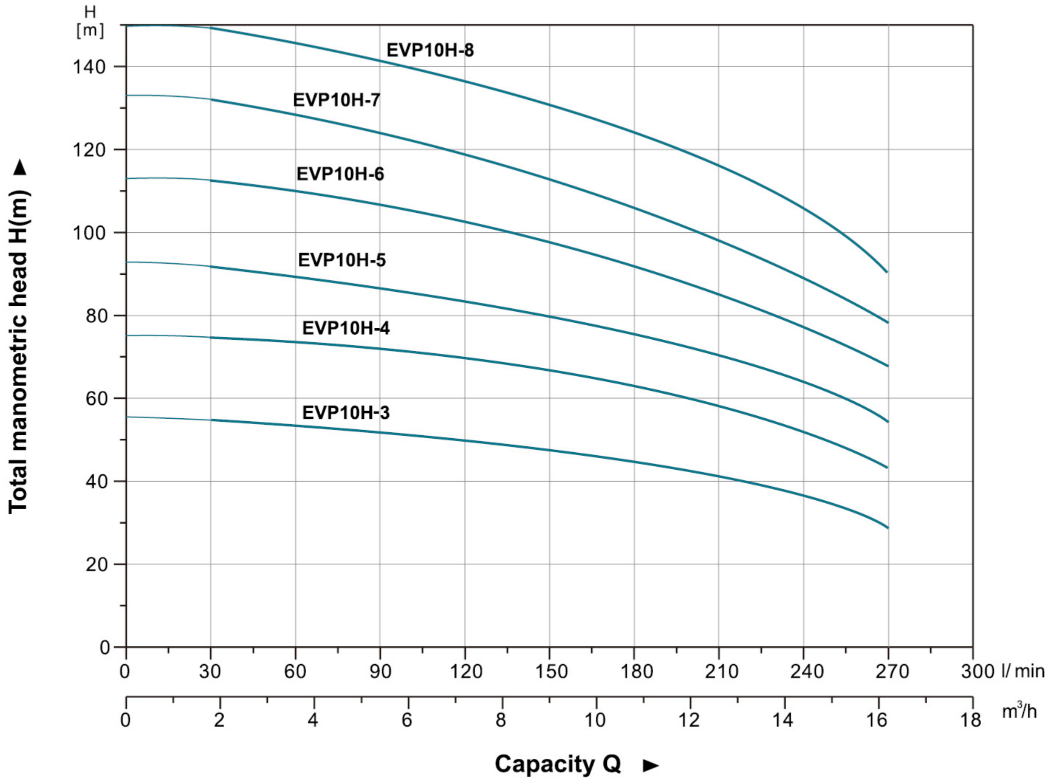


Hydraulic Performance Curves





Hydraulic Performance Curves



Technical Data

Model		Power (P2)		Q (m³/h)	0	1	2	3	4
Single–phase	Three–phase	kW	HP	Q (l/min)	0	16.7	33.3	50	66.7
EVPm2–2	EVP2–2	0.37	0.5	H (m)	24	23	18	13	6
EVPm2–3	EVP2–3	0.55	0.75		36	33	26	20	9
EVPm2–4	EVP2–4	0.75	1.0		48	45	35	26	11
EVPm2–5	EVP2–5	1.0	1.5		59	57	44	33	15
EVPm2–6	EVP2–6	1.0	1.5		69	65	52	37	18
EVPm2–7	EVP2–7	1.1	1.5		82	75	62	45	25
EVPm2–8	EVP2–8	1.5	2.0		94	87	72	52	28
EVPm2–9	EVP2–9	1.5	2.0		105	98	82	60	35
EVPm2–11	EVP2–11	1.8	2.5		130	119	98	69	37
–	EVP2–13	2.2	3.0		153	142	115	80	39

Model		Power (P2)		Q (m³/h)	0	1	2	3	4	5	6
Single–phase	Three–phase	kW	HP	Q (l/min)	0	16.7	33.3	50	66.7	83.3	100
EVPm4–2	EVP4–2	0.55	0.75	H (m)	24	23	22	21	18	15	10
EVPm4–3	EVP4–3	0.75	1.0		37	36	34	33	29	24	16
EVPm4–4	EVP4–4	1.0	1.5		47	46	45	41	36	28	20
EVPm4–5	EVP4–5	1.5	2.0		61	58	57	55	48	39	29
EVPm4–6	EVP4–6	1.5	2.0		74	72	69	66	57	47	36
–	EVP4–7	2.2	3.0		86	83	81	77	68	57	43
–	EVP4–8	2.2	3.0		98	95	92	86	76	63	47
–	EVP4–10	2.2	3.0		116	114	110	102	90	73	57
–	EVP4–12	3.0	4.0		145	142	140	131	115	97	75

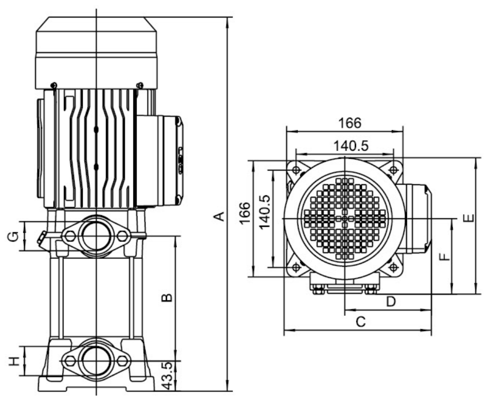
Technical Data

Model		Power (P2)		Q (m³/h)	0	1	2	3	4	5	6	7	8	9	10
Single-phase	Three-phase	kW	HP	Q (l/min)	0	16.7	33.3	50	66.7	83.3	100	116.7	133.3	150	166.7
EVPm6-3	EVP6-3	1.1	1.5	H (m)	30	29.5	29	28.5	28	27	26	24.5	23	21	19
EVPm6-4	EVP6-4	1.5	2.0		40	38.5	37.5	37.3	37	36	34	33.5	32	30	27
—	EVP6-5	2.2	3.0		50	49	48.5	48.3	48	45	43	42	41	39	36
—	EVP6-6	2.2	3.0		58	56	54	53.5	53	52	51	48	45	41	40
—	EVP6-7	3.0	4.0		68	67	66.5	65	63.5	62	60	58	56	54	51
—	EVP6-8	3.0	4.0		78	75	73	72	71	70	68	65	62	59	55

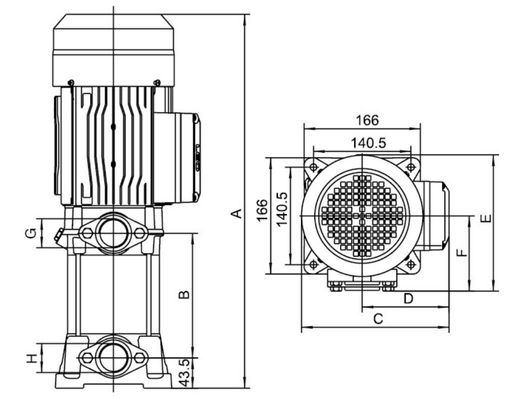
Model		Power (P2)		Q (m³/h)	0	1	2	3	4.5	6	7.5	9	10.5
Single-phase	Three-phase	kW	HP	Q (l/min)	0	16.7	33.3	50	75	100	125	150	175
EVPm6H-3	EVP6H-3	1.1	1.5	H (m)	39	38	37	35	33	29	24	18	10
EVPm6H-4	EVP6H-4	1.5	2		52	51	49	47	44	39	32	25	14
EVPm6H-5	EVP6H-5	1.8	2.5		64	62	60	58	54	47	38	28	16
—	EVP6H-6	2.2	3		76	74	71	68	63	56	45	34	20
—	EVP6H-8	3.0	4		103	100	97	95	90	80	66	50	31
—	EVP6H-10	4.0	5.5		130	127	124	121	114	103	86	66	41

Model	Power (P2)		Q (m³/h)	0	2	4	6	8	10	12	14	16
Three-phase	kW	HP	Q (l/min)	0	33	67	100	133	167	200	233	267
EVP10H-3	3.0	4.0	H (m)	56	55	54	52	49	46	42	39	29
EVP10H-4	4.0	5.5		75	74	72	70	67	64	60	53	43
EVP10H-5	5.5	7.5		93	91	87	84	81	77	72	64	55
EVP10H-6	5.5	7.5		113	110	107	104	100	96	87	78	68
EVP10H-7	7.5	10		132	128	124	120	116	112	103	93	80
EVP10H-8	7.5	10		150	147	143	139	134	127	120	108	92

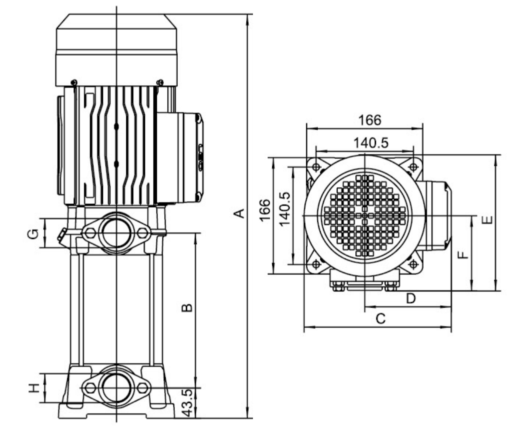
Dimension



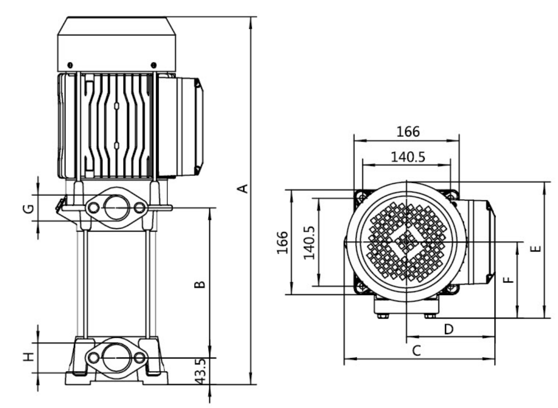
Model		Power (P2)	A	B	C	D	E	F	G	H
Single-phase	Three-phase	kW								
EVPm2-2	EVP2-2	0.37	382	122	193	110	202	114.5	G1	G1
EVPm2-3	EVP2-3	0.55	406	146	193	110	202	114.5	G1	G1
EVPm2-4	EVP2-4	0.75	430	170	193	110	202	114.5	G1	G1
EVPm2-5	EVP2-5	1.0	454	194	193	110	202	114.5	G1	G1
EVPm2-6	EVP2-6	1.0	478	218	193	110	202	114.5	G1	G1
EVPm2-7	EVP2-7	1.1	545	248.5	210	125	202	114.5	G1	G1
EVPm2-8	EVP2-8	1.5	569	272.5	210	125	202	114.5	G1	G1
EVPm2-9	EVP2-9	1.5	593	296.5	210	125	202	114.5	G1	G1
EVPm2-11	EVP2-11	1.8	641	344.5	210	125	202	114.5	G1	G1
–	EVP2-13	2.2	689	392.5	210	125	202	114.5	G1	G1



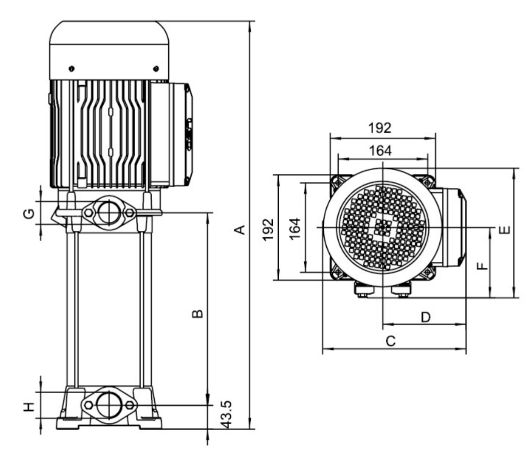
Model		Power (P2)	A	B	C	D	E	F	G	H
Single-phase	Three-phase	kW								
EVPm4-2	EVP4-2	0.55	382	122	193	110	202	114.5	G1	G1
EVPm4-3	EVP4-3	0.75	406	146	193	110	202	114.5	G1	G1
EVPm4-4	EVP4-4	1.0	430	170	193	110	202	114.5	G1	G1
EVPm4-5	EVP4-5	1.5	497	200.5	210	125	202	114.5	G1	G1
EVPm4-6	EVP4-6	1.5	521	224.5	210	125	202	114.5	G1	G1
–	EVP4-7	2.2	545	248.5	210	125	202	114.5	G1	G1
–	EVP4-8	2.2	569	272.5	210	125	202	114.5	G1	G1
–	EVP4-10	2.2	617	320.5	210	125	202	114.5	G1	G1
–	EVP4-12	3.0	731	374	240	141	218	121.5	G1	G1



Model		Power (P2)	A	B	C	D	E	F
Single-phase	Three-phase	kW						
EVPm6-3	EVP6-3	1.1	487	190	210	125	G1¼	G1¼
EVPm6-4	EVP6-4	1.5	524	227	210	125	G1¼	G1¼
—	EVP6-5	2.2	561	264	210	125	G1¼	G1¼
—	EVP6-6	2.2	598	301	210	125	G1¼	G1¼
—	EVP6-7	3.0	685	338	221	134	G1¼	G1¼
—	EVP6-8	3.0	722	375	221	134	G1¼	G1¼



Model		Power (P2)	A	B	C	D	E	F	G	H
Single-phase	Three-phase	kW								
EVPm6H-3	EVP6H-3	1.1	457	158.5	210	125	202	114.5	G1¼	G1½
EVPm6H-4	EVP6H-4	1.5	483.5	185	210	125	202	114.5	G1¼	G1½
EVPm6H-5	EVP6H-5	1.8	510	211.5	210	125	202	114.5	G1¼	G1½
—	EVP6H-6	2.2	536.5	238	210	125	202	114.5	G1¼	G1½
—	EVP6H-8	3.0	655	297.5	240	141	218	121.5	G1¼	G1½
—	EVP6H-10	4.0	708	350.5	240	141	218	121.5	G1¼	G1½



Model	Power (P2)	A	B	C	D	E	F	G	H
Three-phase	kW								
EVP10H-3	3.0	554.5	187	240	141	227.5	127.5	G1¼	G1½
EVP10H-4	4.0	577.5	220	240	141	227.5	127.5	G1¼	G1½
EVP10H-5	5.5	647	253	262	152	237.5	128.5	G1¼	G1½
EVP10H-6	5.5	680	286	262	152	237.5	128.5	G1¼	G1½
EVP10H-7	7.5	713	319	262	152	237.5	128.5	G1¼	G1½
EVP10H-8	7.5	746	352	262	152	237.5	128.5	G1¼	G1½

Application

- Small electrical irrigation and drainage equipments
- Particularly applied in urban well water pumping, field irrigation and drainage,garden irrigation and household water supply, as well as drainage of industrial accumulated water, water supply and drainage for construction, livestock breeding, etc.

Pump

- Cast iron pump body under special anti-rust treatment
- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 6.5 – 8

Motor

- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

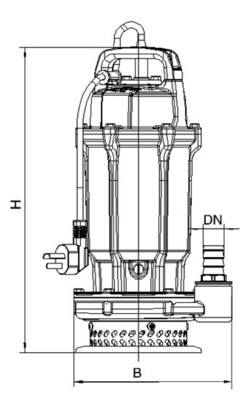
Identification Codes

QDX 1.5 - 15 - 0.37 A

- A: Automatic Operation with Float Switch
- 0.37: Power (kW)
- 15: Rated Head (m)
- 1.5: Rated Flow (m^3/h)
- QDX: Submersible Pump (Three-phase without D)

Technical Data

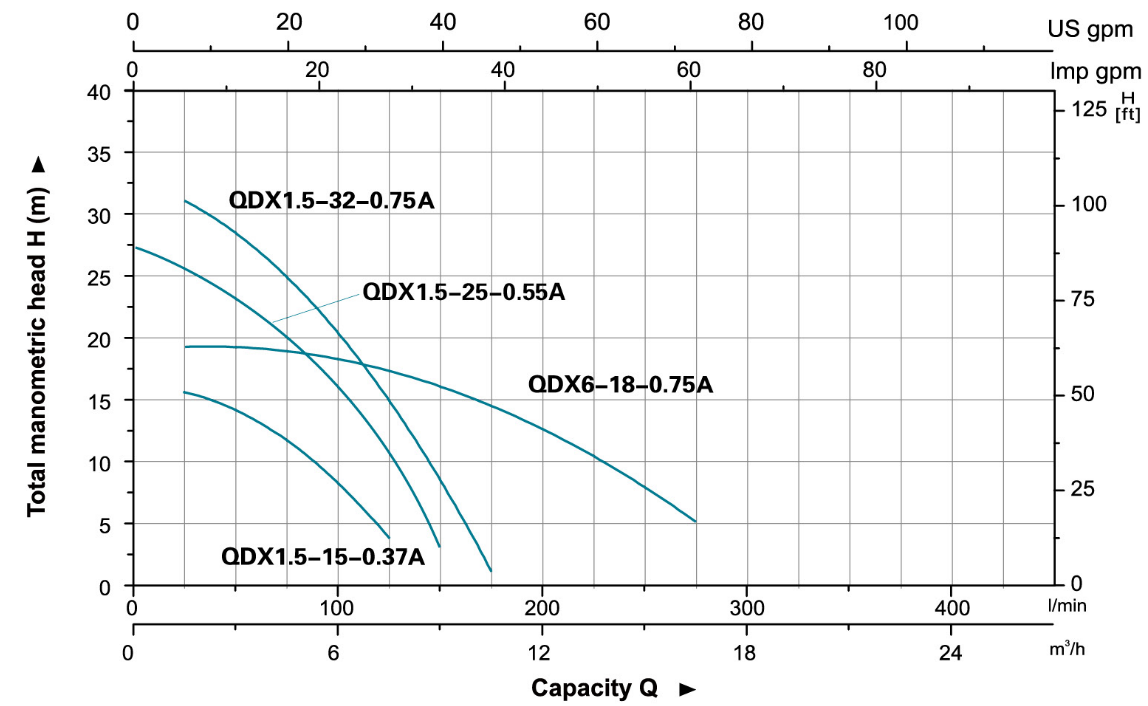
MODEL	Q (m^3/h)	0	1.5	3.0	4.5	6.0	7.5	9	10.5	12	13.5	15	16.5
	Q (l/min)	0	25	50	75	100	120	150	175	200	225	250	275
QDX1.5-15-0.37A	H (m)	16	15.6	14.2	11.8	8	3.9	-	-	-	-	-	-
QDX1.5-25-0.55A		27.1	25.3	22.8	19.8	15.9	11.1	4.2	-	-	-	-	-
QDX1.5-32-0.75A		32.5	31.5	28.5	24.5	20	15.5	8.5	1	-	-	-	-
QDX6-18-0.75A		19.5	19.2	19	18.6	18	17	16.2	14.7	12.8	11	8.6	4.2



Dimension

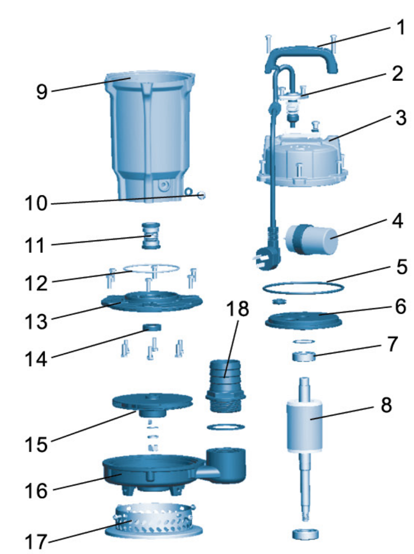
Model	DN	H (mm)	B (mm)
QDX1.5-15-0.37A	25	195	145
QDX1.5-25-0.55A	25	245	195
QDX1.5-32-0.75A	25	245	195
QDX6-18-0.75A	40	220	160

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Handle	PP
2	Cable	
3	Top cover	HT200
4	Capacitor	
5	O-ring	NBR
6	Upper cover	HT200
7	Bearing	
8	Rotor	
9	Stator	
10	Oil injection screw	
11	Mechanical seal	Upper: Ceramic/Carbon Lower: Sic/Carbon
12	O-ring	NBR
13	Cover of oil cylinder	HT200
14	Oil seal	
15	Impeller	PPO
16	Pump body	HT200
17	Filter screen	Stainless steel
18	Outlet connector	HT200



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
QDX1.5-15-0.37A	11.5	392	224	180	1788
QDX1.5-25-0.55A	16.5	435	260	235	1062
QDX1.5-32-0.75A	16.5	435	250	235	1062
QDX6-18-0.75A	15.5	415	230	205	1388

Application

- Rural wells water pumping
- Farming irrigation and drainage
- Garden watering and family households
- Construction,aquaculture,fish ponds,ect

Features

- Cast iron pump body,aluminum motor casing
- Copper winding
- Built-in thermal protector
- Stainless steel shaft
- Double-end Mechanical seal
- Stainless steel filter

Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid PH level from 6.5 - 8
- Maximum sand content is 0.1%
- Insulation class: F
- Ingress protection: IP68
- Motor: 115-127V/60Hz   220-240V/60Hz

Identification Codes

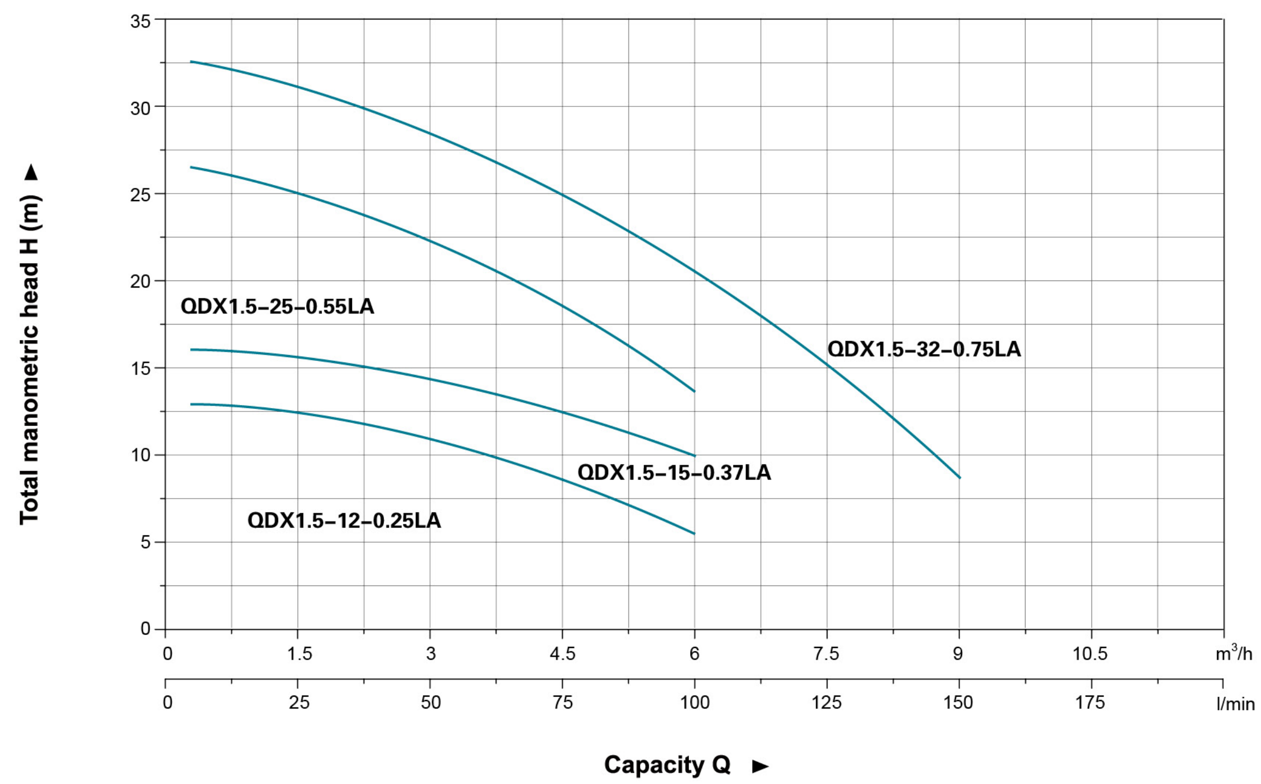
QDX 1.5 – 15 – 0.37 L A

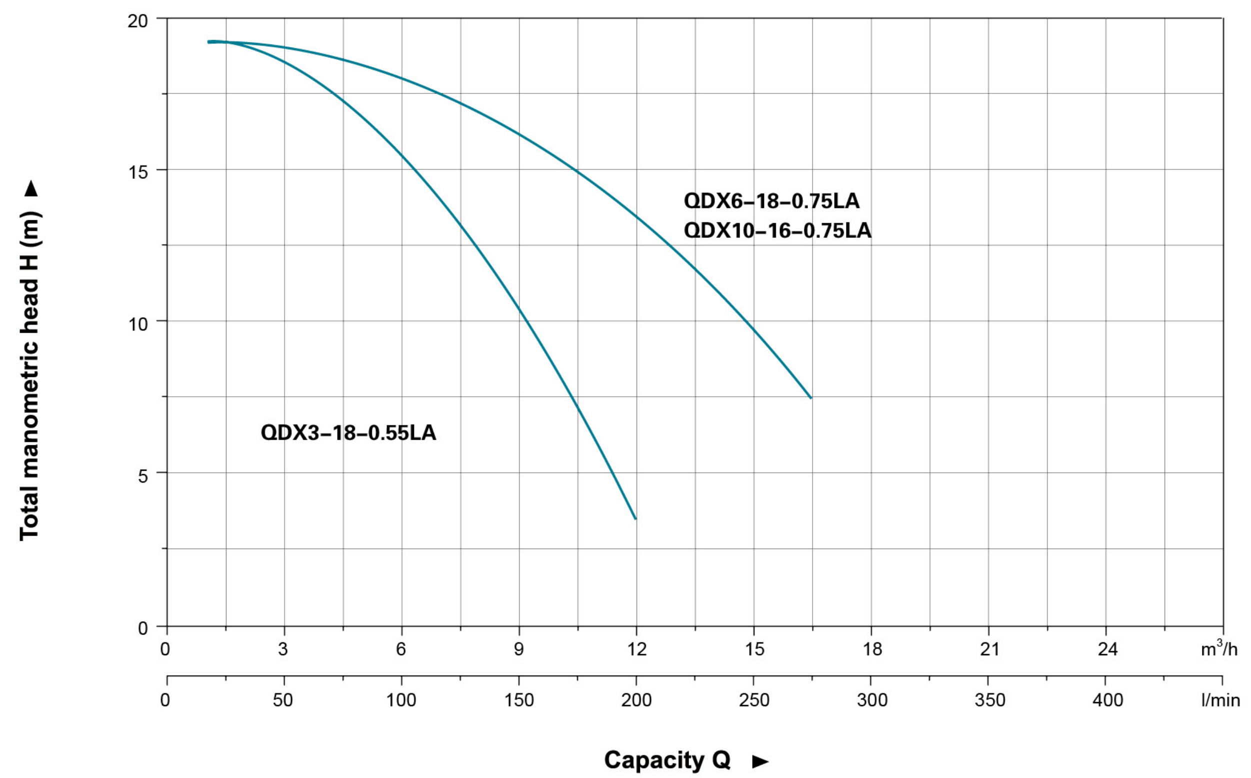
- A: Automatic Opreation with Float Switch
- L: Aluminum Shell
- 0.37: Power (kW)
- 15: Rated Head (m)
- 1.5: Rated Flow (m^3/h)
- QDX: Submersible Pump

Technical Data

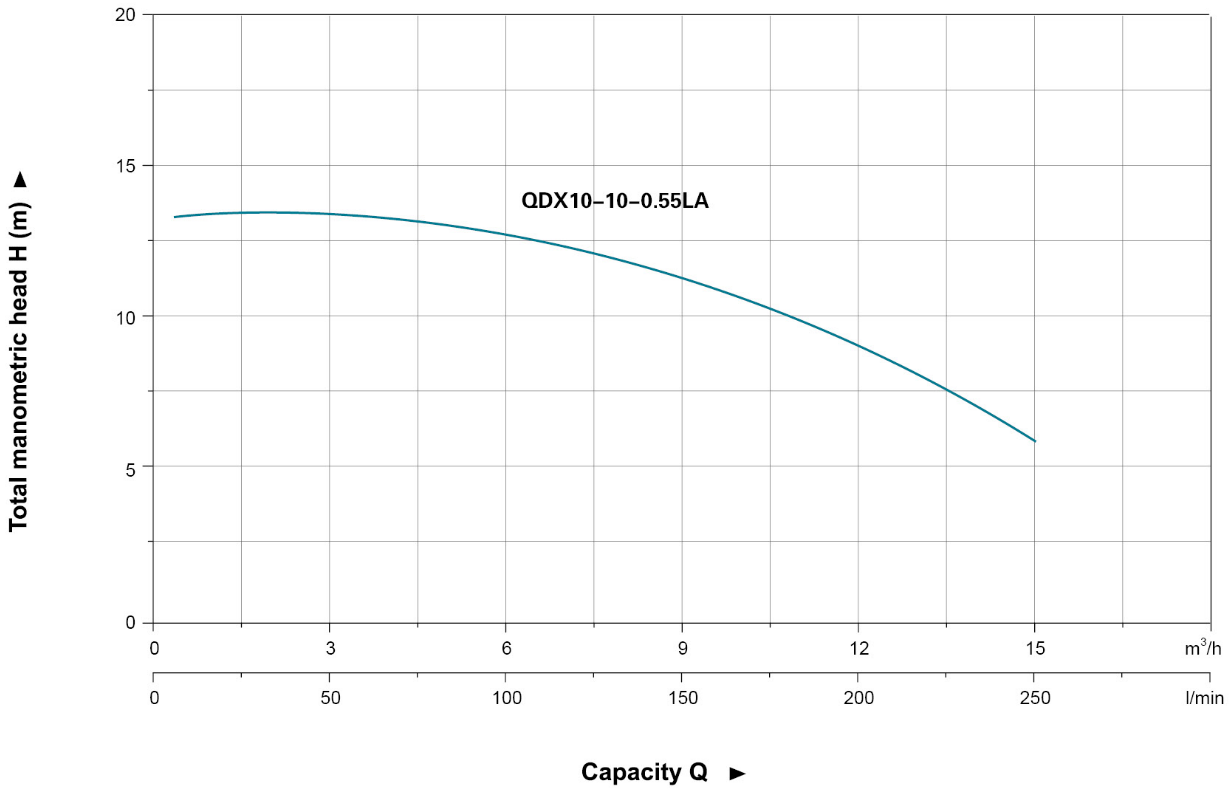
Model	Q (m^3/h)	0	1.5	3	4.5	6	7.5	9	10.5	12	13.5	15	16.5	18	19.5	21	22.5	24	25.5	27	28.5	30
	Q (l/min)	0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500
QDX1.5-12-0.25LA	H (m)	13	12	11	9	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QDX1.5-15-0.37LA		16	15.6	14.2	12.3	9.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QDX1.5-25-0.55LA		26.5	25	22.5	18	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QDX1.5-32-0.75LA		32.5	31.5	28.5	24.5	20	15.5	8.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QDX3-18-0.55LA		19.2	19.1	18.5	17.5	15.5	13.2	10	7	3.7	-	-	-	-	-	-	-	-	-	-	-	-
QDX6-18-0.75LA		19.5	19.2	19	18.6	18	17	16.3	15.6	13.7	11.8	9	7.5	-	-	-	-	-	-	-	-	-
QDX10-16-0.75LA		19.5	19.2	19	18.6	18	17	16.3	15.6	13.7	11.8	9	7.5	-	-	-	-	-	-	-	-	-
QDX10-10-0.55LA		13.2	13.2	13.2	13	12.7	12	11	10	9.2	7.5	6	-	-	-	-	-	-	-	-	-	-
QDX15-7-0.55LA		8.6	8.5	8.5	8.4	8.3	8.3	8.3	8.2	7.8	7.4	7	6.3	5.8	4.9	4.1	3.2	2.2	-	-	-	-
QDX15-10-0.75LA		12.1	12.1	12	11.9	11.8	11.7	11.6	11.4	11.2	10.9	10.6	10	9.5	8.9	8.2	7.7	7.2	5.7	4.9	4.2	3.4
QDX25-6-0.75LA		10.6	10.6	10.5	10.4	10.4	10.3	10.1	9.9	9.7	9.5	9.3	9	8.6	8.2	7.2	6.7	6.1	5.5	4.3	3.2	-

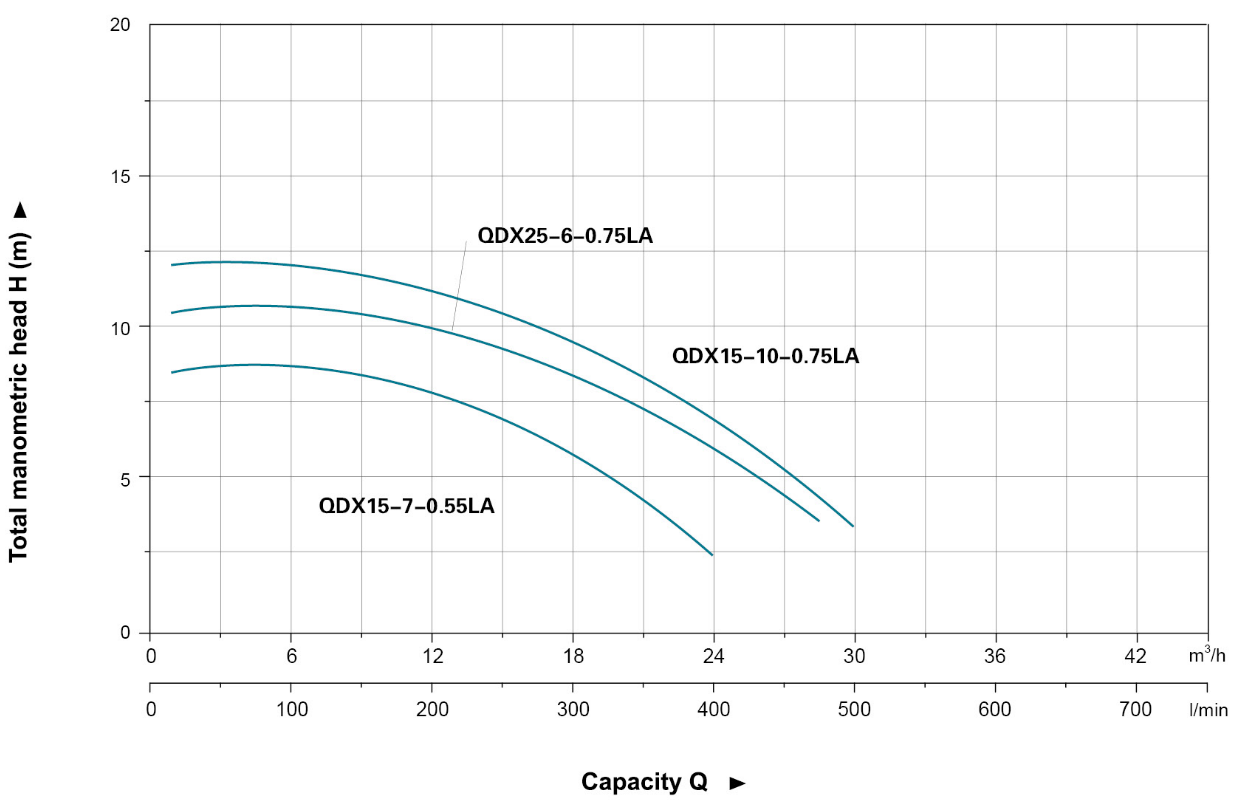
Hydraulic Performance Curves





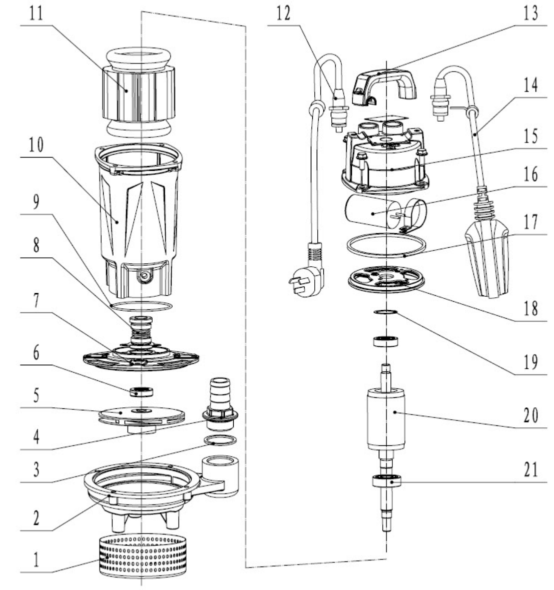
Hydraulic Performance Curves



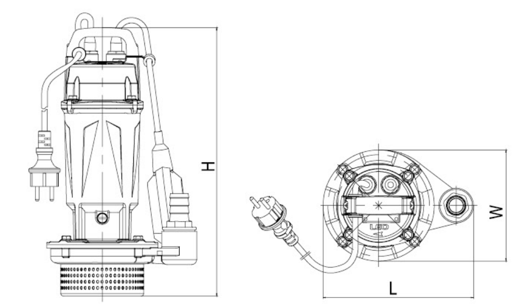


Materials Table

No.	Part	Material
1	Filter	stainless steel
2	Pump body	HT200
3	O-Ring	NBR
4	Outlet connector	HT200
5	Impeller	PPO
6	Oil seal	
7	Cover of cylinder	ADC12(0.25/0.37kW) HT200(0.55/0.75kW)
8	Mechanical seal	
9	O-Ring	NBR
10	Motor casing	ADC12
11	Stator	
12	Cable assembly	
13	Handle	PP
14	Float switch	
15	Top cover	ADC12
16	Capacitor	
17	O-Ring	NBR
18	End cover	ADC12
19	Wave spring pad	
20	Rotor	
21	Bearing	



Dimension



Model	Outlet	L (mm)	W (mm)	H (mm)
QDX1.5-12-0.25LA	Φ25	195	144	348
QDX1.5-15-0.37LA	Φ25	195	144	348
QDX1.5-25-0.55LA	Φ25	245	194	385
QDX1.5-32-0.75LA	Φ25	245	194	385
QDX3-18-0.55LA	Φ25	205	159	379
QDX6-18-0.75LA	Φ25	221	159	382
QDX10-16-0.75LA	Φ25	221	159	382
QDX10-10-0.55LA	Φ40	215	152	375
QDX15-7-0.55LA	Φ50	237	160	396
QDX15-10-0.75LA	Φ65	237	166	396
QDX25-6-0.75LA	Φ80	248	162	396

Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
QDX1.5-12-0.25LA	7.5	392	224	180	1788
QDX1.5-15-0.37LA	7.5	392	224	180	1788
QDX1.5-25-0.55LA	11	435	250	235	1062
QDX1.5-32-0.75LA	12	435	250	235	1062
QDX3-18-0.55LA	10.5	415	230	205	1388
QDX6-18-0.75LA	11.5	415	230	205	1388
QDX10-16-0.75LA	11.5	415	230	205	1388
QDX10-10-0.55LA	10.5	415	230	205	1388
QDX15-7-0.55LA	11	420	280	215	1132
QDX15-10-0.75LA	12.5	420	280	215	1132
QDX25-6-0.75LA	13	420	280	215	1132

XSP

Stainless Steel Submersible Sewage Pump

Application

- Wastewater drainage in factories, construction sites and commercial facilities
- Drainage system in municipal sewage treatment plants
- Drainage station in residential quarters
- Municipal projects
- Methane pools and field irrigation in countryside

Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 4 – 10
- Liquid kinematic viscosity: $7 \times 10^{-7} \sim 23 \times 10^{-6}\ m^2/s$
- Max. liquid density: $1.2 \times 10^3\ kg/m^3$

Motor

- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

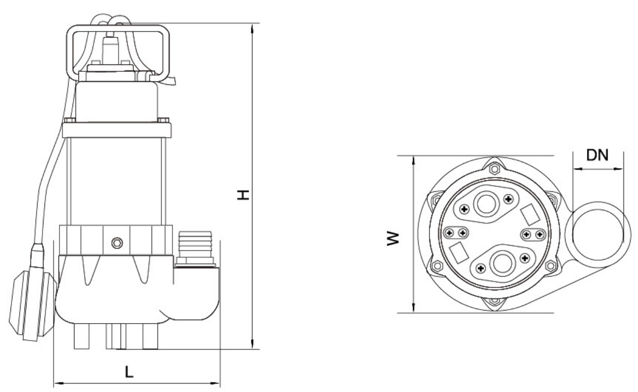
Identification Codes

XSP 8 – 7 / 0.18 I

- I — Pump Body Material : Cast Iron
- 0.18 — Power (kW)
- 7 — Max. Head (m)
- 8 — Max. Flow (m^3/h)
- XSP — Sewage Submersible Pump

Technical Data

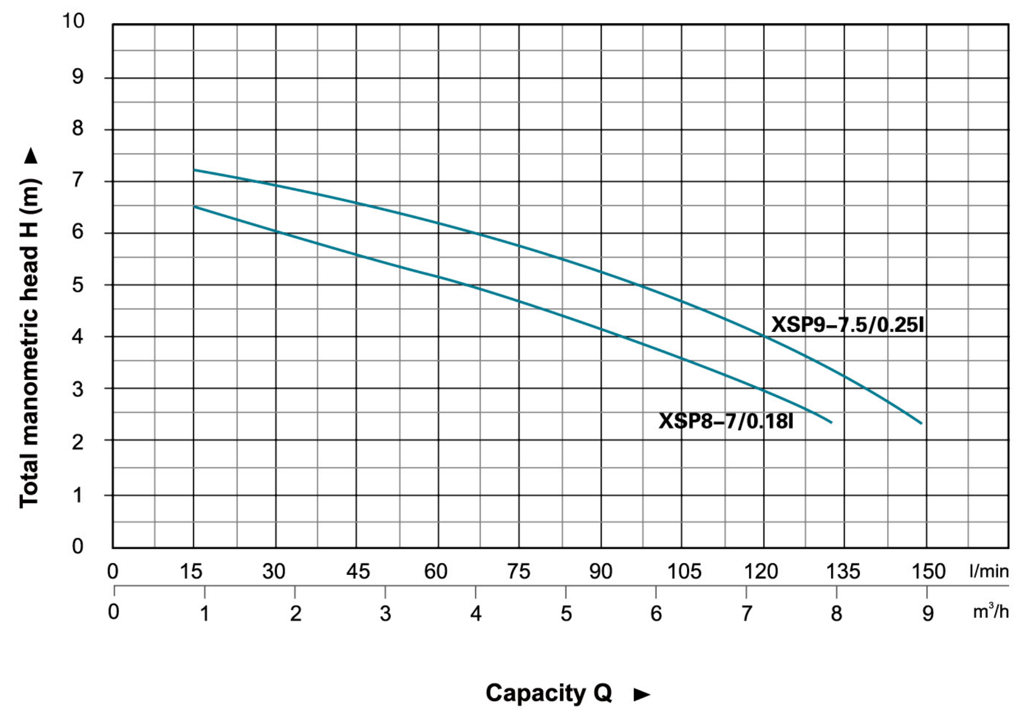
MODEL	POWER (kW)	POWER HP	Outlet diameter (mm)	Max.flow (l/min)	Max.head (m)	Max.dia. of particle (mm)	GW (kgs)	Packing size (mm)	Quantity (PCS/20'TEU)
XSP8-7/0.18I	0.18	0.25	40,32,25	133	7	15	9	185x180x360	2322
XSP9-7.5/0.25I	0.25	0.33	40,32,25	150	7.5	15	10	185x180x380	2174



Dimension

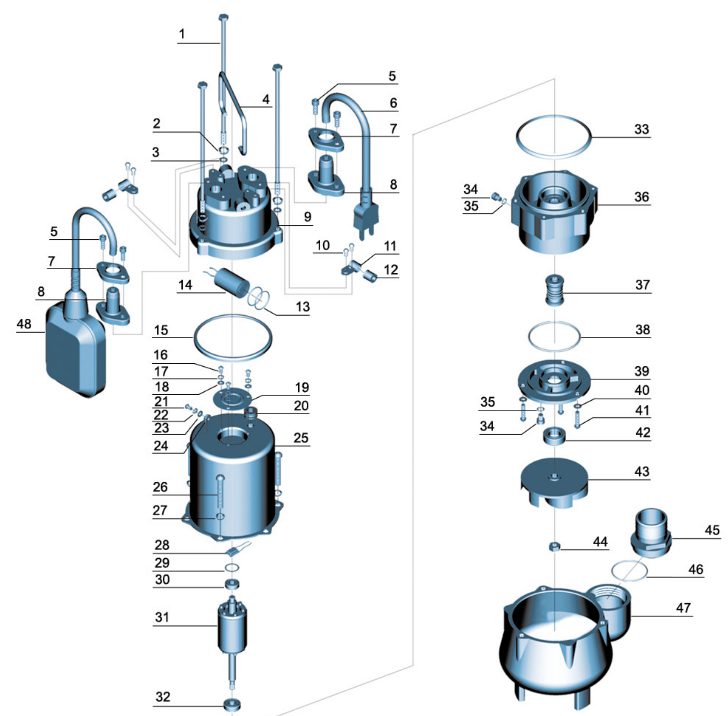
Model	DN	L (mm)	W (mm)	H (mm)
XSP8-7/0.18I	40	166	121	335
XSP9-7.5/0.25I		166	121	355

Hydraulic Performance Curves



Materials Table

No.	Part	Material	No.	Part	Material
1	Bolt	Stainless steel	25	Stator	
2	Stretching washer	Stainless steel	26	Screw	Stainless steel
3	Washer	Stainless steel	27	Stretching washer	Stainless steel
4	Handle	Stainless steel	28	Thermal protector	
5	Screw	Stainless steel	29	Wave washer	65Mn
6	Cable		30	Ball bearing	
7	Flange	Stainless steel	31	Rotor	
8	Cable protector	CR	32	Ball bearing	
9	Capacitor cover	HT200	33	Rubber washer	NBR
10	Screw	Stainless steel	34	Screw	Stainless steel
11	Cable presser	Stainless steel	35	O-ring	NBR
12	Protector	NR	36	Connection part	HT200
13	O-ring	NBR	37	Mechanical seal	Carbon/Ceramic
14	Capacitor		38	O-ring	NBR
15	Rubber washer	NBR	39	Oil chamber cover	HT200
16	Screw	Steel	40	Washer	Stainless steel
17	Stretching washer	65Mn	41	Screw	Stainless steel
18	Washer	Steel	42	Oil seal	
19	Press plate	Steel	43	Impeller	PA66
20	Cable holder	NBR	44	Nut	Stainless steel
21	Screw	CuZn40	45	Connector	ABS
22	Stretching washer	65Mn	46	O-ring	NBR
23	Washer	CuZn40	47	Pump body	HT200
24	Nut	Stainless steel	48	Float switch	



XSP

XSP

Stainless Steel Submersible Sewage Pump

Application

- Wastewater drainage in factories, construction sites and commercial facilities
- Drainage system in municipal sewage treatment plants
- Drainage station in residential quarters
- Municipal projects
- Methane pools and field irrigation in countryside

Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 4 – 10
- Liquid kinematic viscosity: $7x10^{-7}$~ $23x10^{-6}m^2/s$
- Max. liquid density: $1.2x10^3kg/m^3$

Motor

- Copper winding
- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

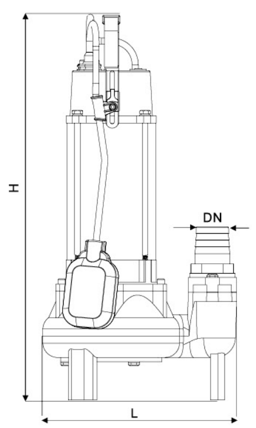
Identification Codes

XSP 32 - 17 / 1.5 I

- I — Pump Body Material : Cast Iron
- 1.5 — Power (kW)
- 17 — Max. Head (m)
- 32 — Max. Flow (m^3/h)
- XSP — Sewage Submersible Pump

Technical Data

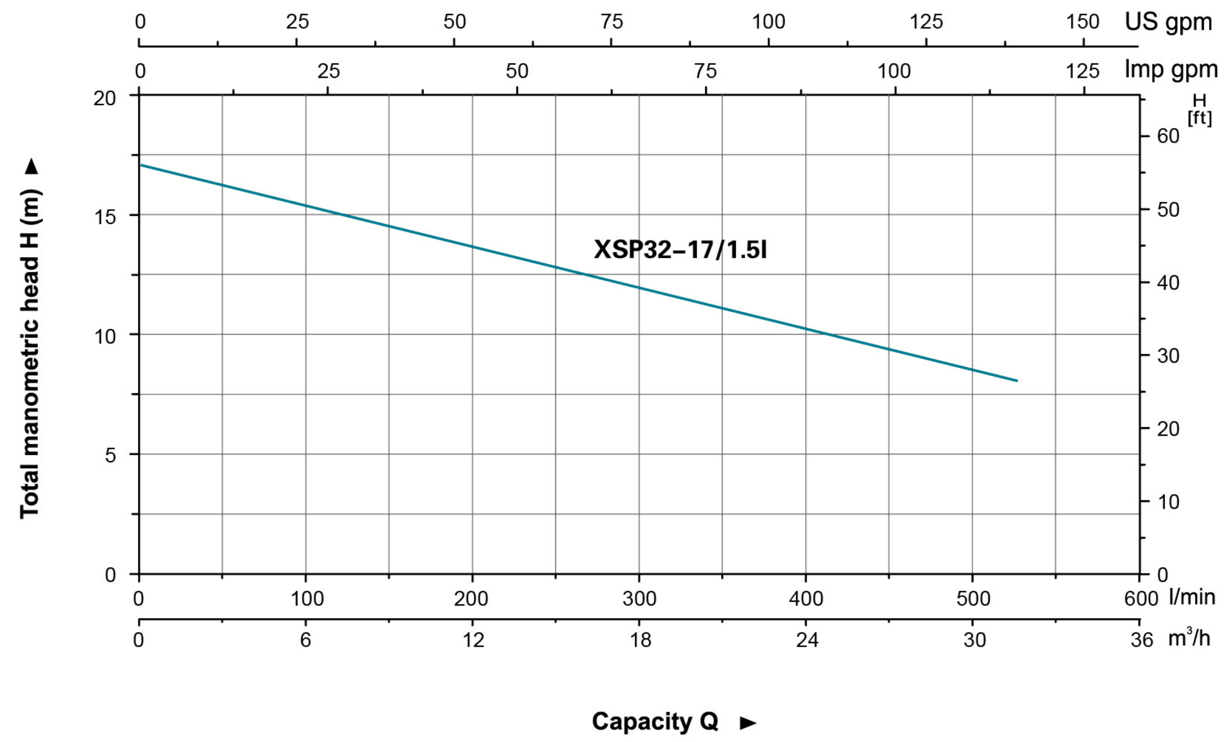
Model	Power		Outlet diameter (mm)	Voltage (V/Hz)	Max.flow (l/min)	Max.head (m)	Max.dia. of particle (mm)	GW (kgs)	Packing size (mm)
	(kW)	HP							
XSP32-17/1.5I	1.5	2	50	220/50	530	17	25	29	610x315x255



Dimension

Model	DN	L (mm)	H (mm)
XSP32-17/1.5I	2	288	571

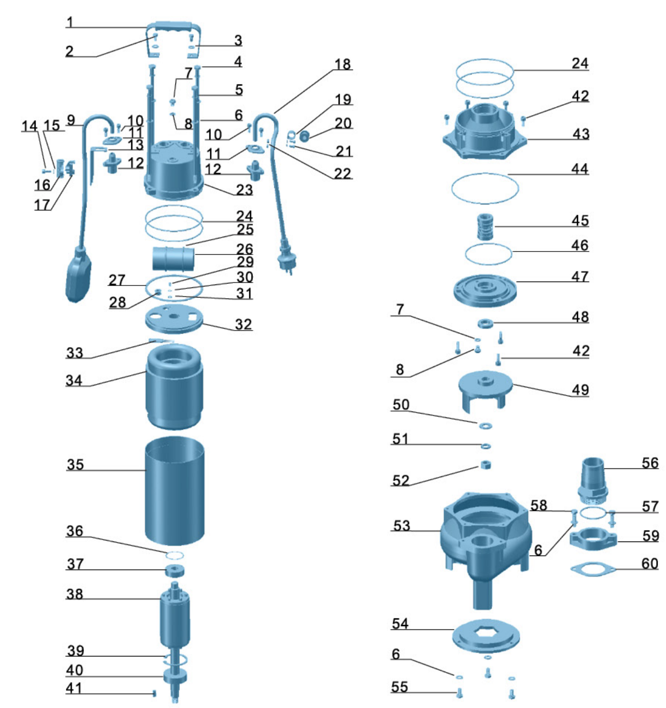
Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Handle	Stainless steel
2	Bolt	Stainless steel
3	Washer	Stainless steel
4	Bolt	Stainless steel
5	Spring washer	Stainless steel
6	Washer	2Cr13 (Stabdard) AISI304/AISI316 ASTM1045
7	Screw	Stainless steel
8	O-ring	NBR
9	Float switch	
10	Screw	Stainless steel
11	Flange	2Cr13 (Stabdard) AISI304/AISI316 ASTM1045
12	Cable protector	CR
13	Guide support	Stainless steel
14	Screw	Stainless steel
15	Washer	Stainless steel
16	Clamp	PA66+GF
17	Adjustable bracket	PA66+GF
18	Cable	
19	Cable presser	Stainless steel
20	Protector	NR
21	Screw	Stainless steel
22	Nut	Stainless steel
23	Capacitor cover	HT200
24	O-ring	NBR
25	O-ring	NBR
26	Capacitor	
27	Gasket	NBR
28	Line protector	NBR

No.	Part	Material
29	Screw	CuZn40
30	Serrated lock washer	Stainless steel
31	Washer	Stainless steel
32	Motor cover	HT200
33	Motor protector	
34	Motor	
35	Motor casing	Stainless steel
36	Undulated washer	
37	Upper bearing	
38	Rotor	
39	Circlip	
40	Lower bearing	
41	Key	Stainless steel
42	Screw	Stainless steel
43	Connection part	HT200
44	O-ring	NBR
45	Mechnical seal	Graphite/Ceramic
46	O-ring	NBR
47	Oil chamber cover	HT200
48	Oil seal	
49	Impeller	Cast Iron
50	Washer	Stainless steel
51	Spring washer	Stainless steel
52	Nut	Stainless steel
53	Pump body	HT200
54	Pump cover	Cast Iron
55	Bolt	Stainless steel
56	Discharge	ABS
57	O-ring	NBR
58	Bolt	Stainless steel
59	Connection nut	HT200
60	Gasket	NBR



XSP

Stainless Steel Submersible Sewage Pump

Application

- Wastewater drainage in factories, construction sites and commercial facilities
- Drainage system in municipal sewage treatment plants
- Drainage station in residential quarters
- Municipal projects
- Methane pools and field irrigation in countryside

Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 4 – 10
- Liquid kinematic viscosity: $7x10^{-7}$~ $23x10^{-6}m^2/s$
- Max. liquid density: $1.2x10^3 kg/m^3$

Motor

- Built-in thermal protector
- Stainless steel welded shaft
- nsulation class: B
- Protection class: IP68

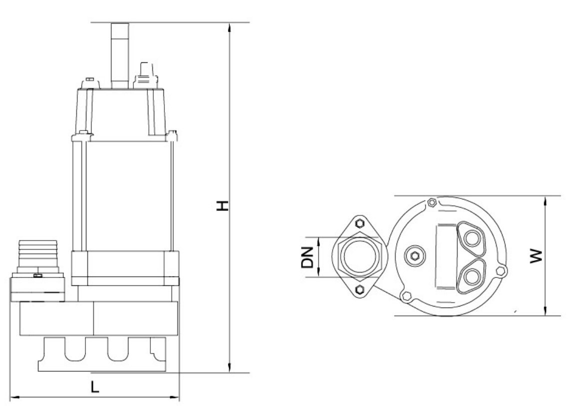
Identification Codes

XSP 12 – 8.5 / 0.45 I

- Pump Body Material : Cast Iron
- Power (kW)
- Max. Head (m)
- Max. Flow (m^3/h)
- Sewage Submersible Pump

Technical Data

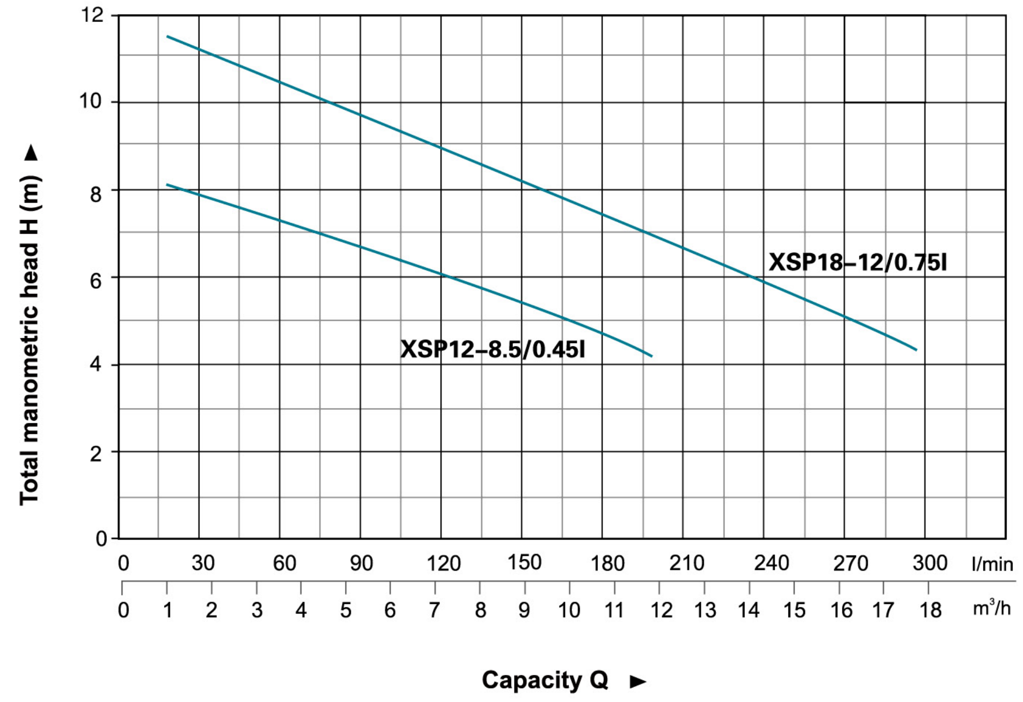
MODEL	POWER		Outlet diameter (mm)	Max.flow (l/min)	Max.head (m)	Max.dia. of particle (mm)	GW (kgs)	Packing size (mm)	Quantity (PCS/20'TEU)
	(kW)	HP							
XSP12-8.5/0.45I	0.45	0.6	50	200	8.5	25	18.2	495x263x222	1010
XSP18-12/0.75I	0.75	1.0	50	300	12	25	20.2	540x265x195	1056



Dimension

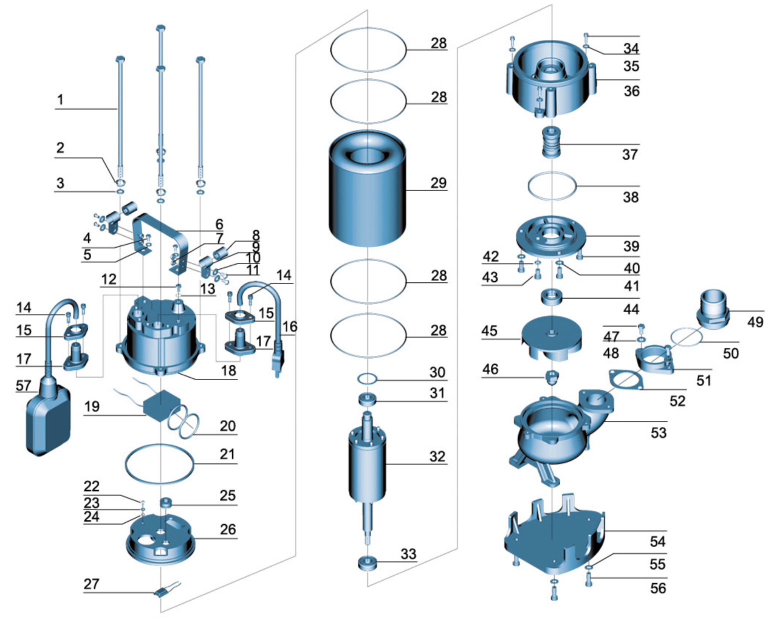
Model	DN	L (mm)	W (mm)	H (mm)
XSP12-8.5/0.45I	50	225	150	450
XSP18-12/0.75I		226	159	500

Hydraulic Performance Curves



Materials Table

No.	Part	Material	No.	Part	Material
1	Bolt	Stainless steel	30	Wave washer	65Mn
2	Stretching washer	Stainless steel	31	Ball bearing	
3	Washer	Stainless steel	32	Rotor	
4	Bolt	Stainless steel	33	Ball bearing	
5	Washer	Stainless steel	34	Screw	Stainless steel
6	Handle	Stainless steel	35	Washer	Stainless steel
7	Nut	Stainless steel	36	Connection part	HT200
8	Protector	NR	37	Mechanical seal	Carbon/Ceramic
9	Cable presser	Stainless steel	38	O-ring	NBR
10	Washer	Stainless steel	39	Oil chamber cover	HT200
11	Screw	Stainless steel	40	Screw	Stainless steel
12	Bolt	Stainless steel	41	Washer	Stainless steel
13	O-ring	NBR	42	O-ring	NBR
14	Screw	Stainless steel	43	Screw	Stainless steel
15	Flange	Stainless steel	44	Oil seal	
16	Cable		45	Impeller	HT200
17	Cable protector	CR	46	Nut	Stainless steel
18	Capacitor cover	HT200	47	Bolt	Stainless steel
19	Capacitor		48	Washer	Stainless steel
20	O-ring	NBR	49	Connector	ABS
21	Rubber washer	NBR	50	O-ring	NBR
22	Screw	CuZn40	51	Connector nut	HT200
23	Stretching washer	65Mn	52	Rubber washer	NBR
24	Washer	CuZn40	53	Pump body	HT200
25	Cable holder	NBR	54	Base plate	HT200
26	Motor cover	HT200	55	Washer	Stainless steel
27	Thermal protector		56	Screw	Stainless steel
28	O-ring	NBR	57	Float switch	
29	Stator				



XSP

Stainless Steel Submersible Sewage Pump

Application

- Wastewater drainage in factories, construction sites and commercial facilities
- Drainage system in municipal sewage treatment plants
- Drainage station in residential quarters
- Municipal projects
- Methane pools and field irrigation in countryside

Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 4 – 10
- Liquid kinematic viscosity: $7x10^{-7}$~ $23x10^{-6}m^2/s$
- Max. liquid density: $1.2x10^3 kg/m^3$

Motor

- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

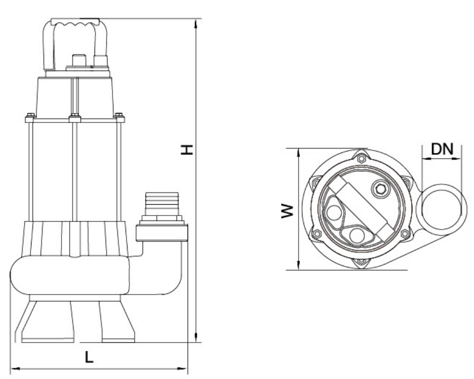
Identification Codes

XSP 20 – 9 / 1.1 I

- I — Pump Body Material : Cast Iron
- 1.1 — Power (kW)
- 9 — Max. Head (m)
- 20 — Max. Flow (m^3/h)
- XSP — Sewage Submersible Pump

Technical Data

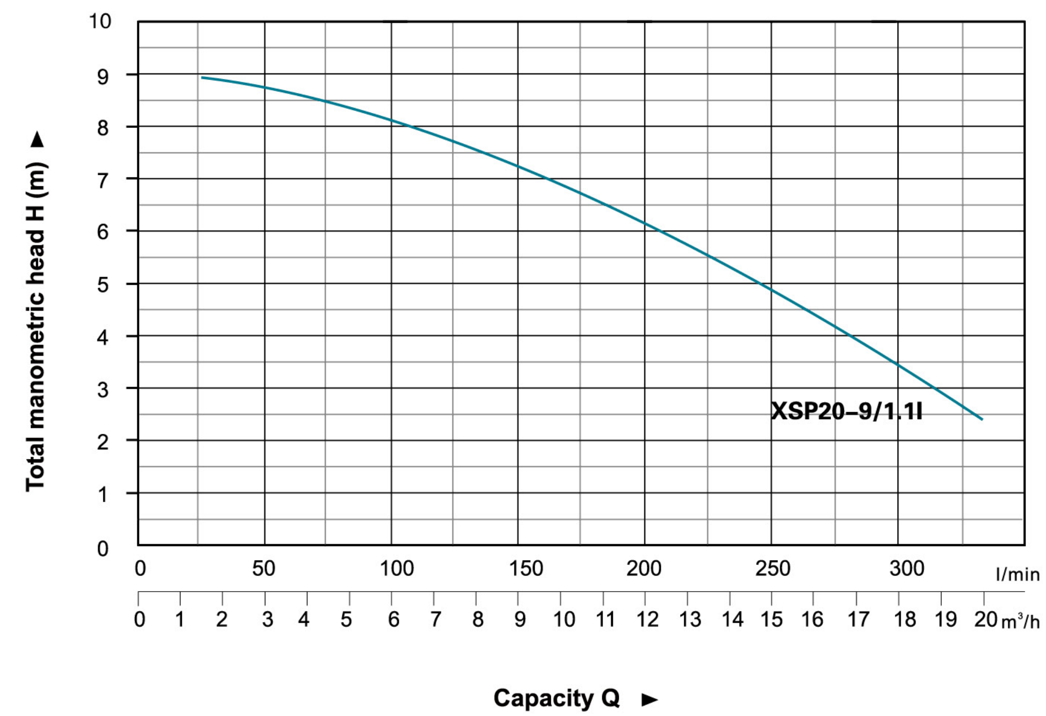
MODEL	POWER		Outlet diameter (mm)	Max.flow (l/min)	Max.head (m)	Max.dia. of particle (mm)	GW (kgs)	Packing size (mm)	Quantity (PCS/20'TEU)
	(kW)	HP							
XSP20-9/1.1I	1.1	1.5	50	333	9	35	20.9	580x320x250	681



Dimension

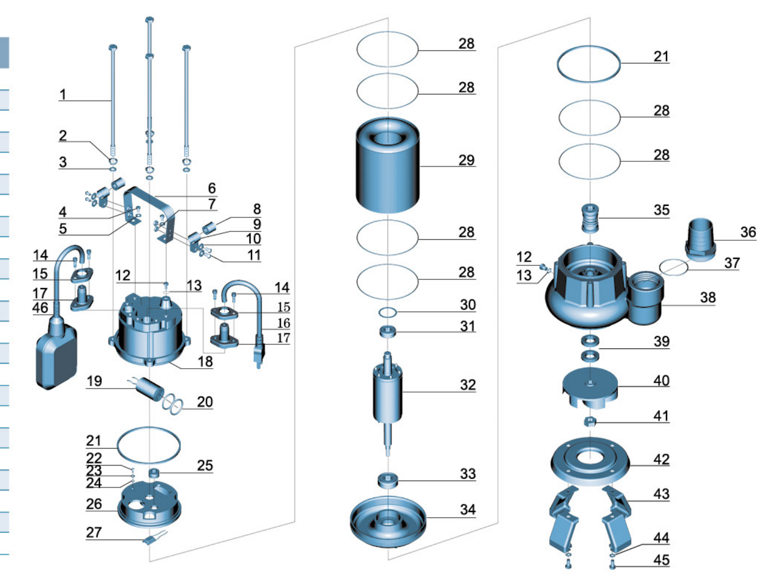
Model	DN	L (mm)	W (mm)	H (mm)
XSP20-9/1.1I	50	280	200	530

Hydraulic Performance Curves



Materials Table

No.	Part	Material	No.	Part	Material
1	Bolt	Stainless steel	24	Washer	CuZn40
2	Stretching washer	Stainless steel	25	Cable holder	NBR
3	Washer	Stainless steel	26	Upper cover	HT200
4	Bolt	Stainless steel	27	Thermal protector	
5	Washer	Stainless steel	28	O-ring	NBR
6	Handle	Stainless steel	29	Stator	
7	Nut	Stainless steel	30	Wave washer	65Mn
8	Protector	NR	31	Ball bearing	
9	Cable presser	Stainless steel	32	Rotor	
10	Washer	Stainless steel	33	Ball bearing	
11	Screw	Stainless steel	34	Lower cover	HT200
12	Bolt	Stainless steel	35	Mechanical seal	Carbon/Ceramic
13	O-ring	NBR	36	Connector	ABS
14	Screw	Stainless steel	37	O-ring	NBR
15	Flange	Stainless steel	38	Pump body	HT200
16	Cable		39	Oil seal	
17	Cable protector	CR	40	Impeller	HT200
18	Capacitor cover	HT200	41	Nut	Stainless steel
19	Capacitor		42	Pump cover	Stainless steel
20	O-ring	NBR	43	Base plate	Stainless steel
21	Rubber washer	NBR	44	Washer	Stainless steel
22	Screw	CuZn40	45	Bolt	Stainless steel
23	Stretching washer	65Mn	46	Float switch	



XSP

Stainless Steel Submersible Sewage Pump

Application

- Wastewater drainage in factories, construction sites and commercial facilities
- Drainage system in municipal sewage treatment plants
- Drainage station in residential quarters
- Municipal projects
- Methane pools and field irrigation in countryside

Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 4 – 10
- Liquid kinematic viscosity: $7x10^{-7}$~ $23x10^{-6}m^2/s$
- Max. liquid density: $1.2x10^3 kg/m^3$

Motor

- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

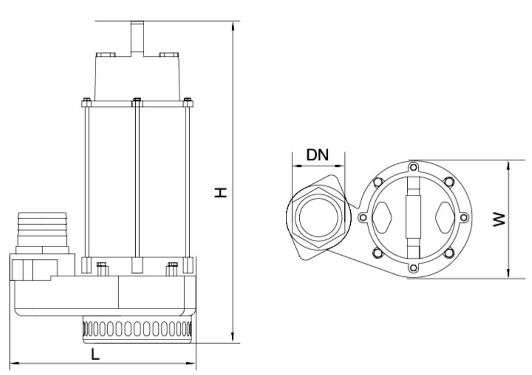
Identification Codes

XSP 42 – 17 / 2.2 I

- I — Pump Body Material: Cast Iron
- 2.2 — Power (kW)
- 17 — Max. Head (m)
- 42 — Max. Flow (m^3/h)
- XSP — Sewage Submersible Pump

Technical Data

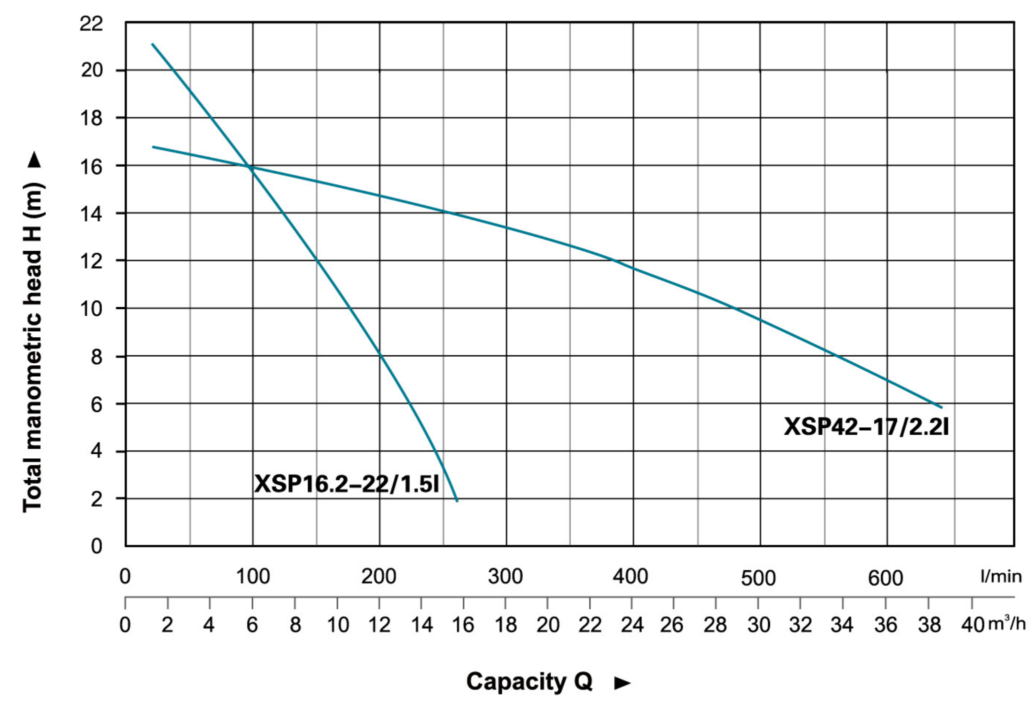
MODEL	POWER		Outlet diameter (mm)	Max.flow (l/min)	Max.head (m)	Max.dia. of particle (mm)	GW (kgs)	Packing size (mm)	Quantity (PCS/20'TEU)
	(kW)	HP							
XSP16.2-22/1.5I	1.5	2.0	40	270	22	10	27.6	585x350x245	540
XSP42-17/2.2I	2.2	3.0	75	700	17	20	29.7	585x350x245	540



Dimension

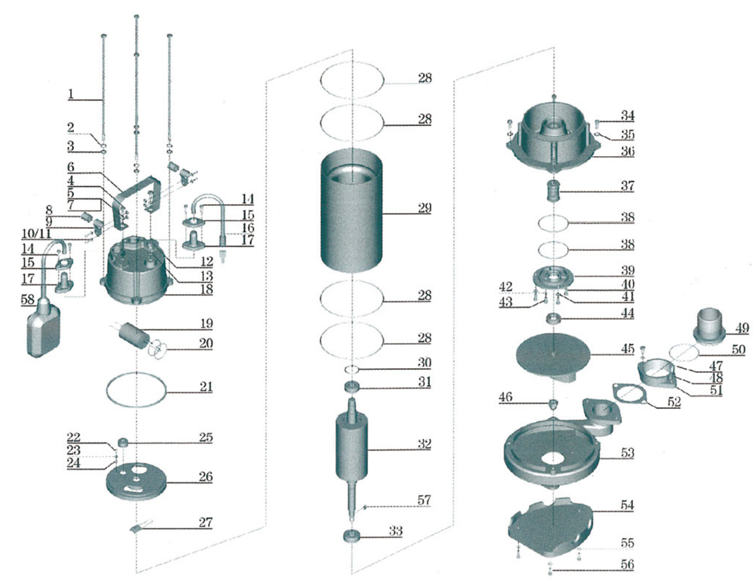
Model	DN	L (mm)	W (mm)	H (mm)
XSP16.2-22/1.5I	50	308	198	530
XSP42-17/2.2I	75	302	190	535

Hydraulic Performance Curves



Materials Table

No.	Part	Material	No.	Part	Material
1	Bolt	11	30	Undulated washer	1566
2	Stretching washer	11	31	Ball bearing	
3	Washer	11	32	Rotor	
4	Bolt	11	33	Ball bearing	
5	Washer	11	34	Screw	11
6	Handle	11	35	Washer	11
7	Nut	11	36	Connection part	No35B
8	Protector	NR	37	Mechanical seal	Alumina/Graphite
9	Cable presser	11	38	"O"ring	NBR
10	Washer	11	39	Oil chamber cover	No35B
11	Screw	11	40	Screw	11
12	Bolt	11	41	Washer	11
13	"O"ring	NBR	42	"O"ring	NBR
14	Screw	11	43	Screw	11
15	Flange	11	44	Oil seal	
16	Cable		45	Impeller	No35B
17	Cable protector	CR	46	Nut	11
18	Capacitor cover	No35B	47	Bolt	11
19	Capacitor		48	Washer	11
20	"O"ring	NBR	49	Out-let connector	ABS
21	Rubber washer	NBR	50	"O"ring	NBR
22	Screw	CuZn40	51	Connecrion nut	No35B
23	Stretching washer	1566	52	Rubber washer	NBR
24	Washer	CuZn40	53	Pump body	No35B
25	Line protector	NBR	54	Base plate	No35B
26	Motor cover	No35B	55	Washer	11
27	Thermal protector		56	Screw	11
28	"O"ring	NBR	57	Key	4
29	Motor stator	11	58	Float switch	



XSP

XSP

Stainless Steel Submersible Sewage Pump

Application

- Wastewater drainage in factories, construction sites and commercial facilities
- Drainage system in municipal sewage treatment plants
- Drainage station in residential quarters
- Municipal projects
- Methane pools and field irrigation in countryside

Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 4 – 10
- Liquid kinematic viscosity: $7x10^{-7}$~ $23x10^{-6}m^2/s$
- Max. liquid density: $1.2x10^3 kg/m^3$

Motor

- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

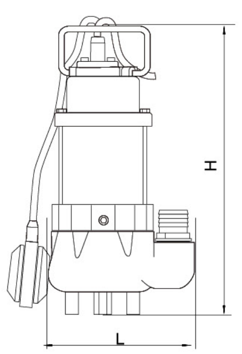
Identification Codes

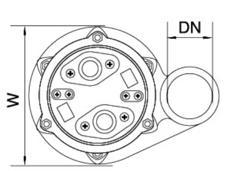
XSP 9 – 7.5 / 0.25 S

- S — Pump Body Material : Stainless Steel
- 0.25 — Power (kW)
- 7.5 — Max. Head (m)
- 9 — Max. Flow (m^3/h)
- XSP — Sewage Submersible Pump

Technical Data

MODEL	POWER		Outlet diameter (mm)	Max.flow (l/min)	Max.head (m)	Max.dia. of particle (mm)	GW (kgs)	Packing size (mm)	Quantity (PCS/20'TEU)
	(kW)	HP							
XSP9-7.5/0.25S	0.25	0.33	40,32,25	150	7.5	15	10.5	185x180x380	2110

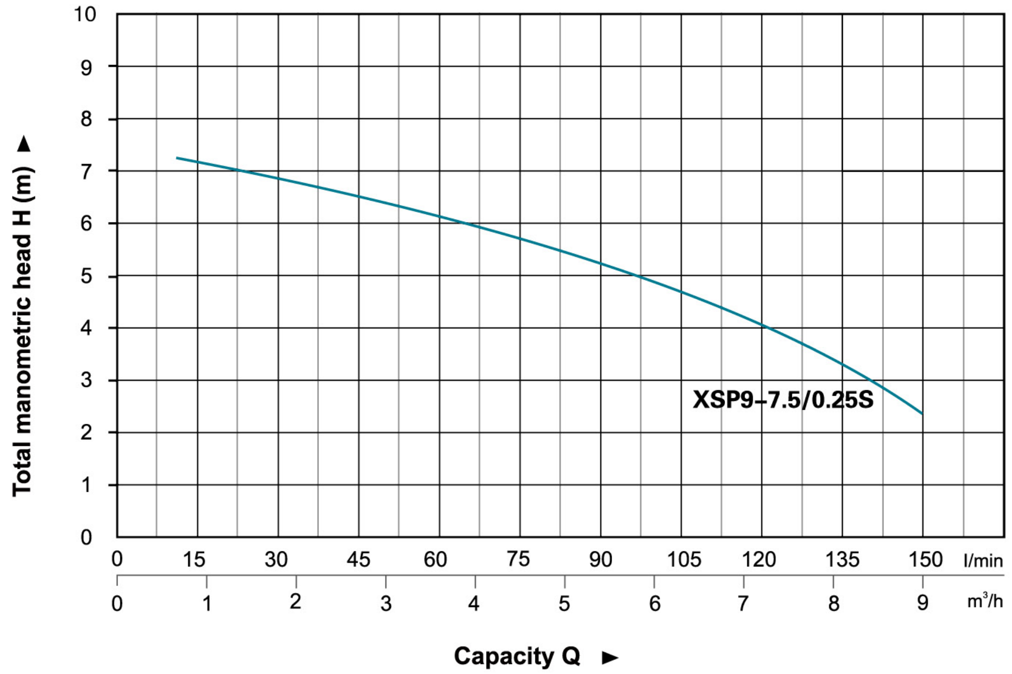




Dimension

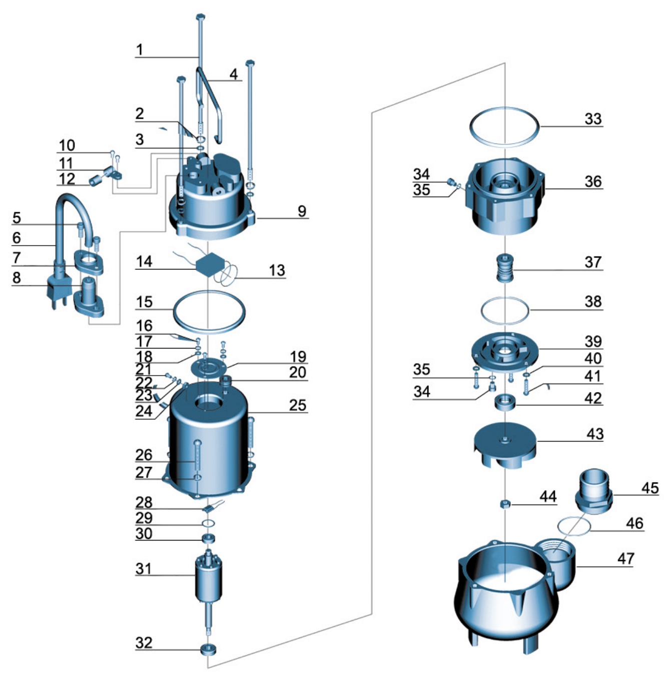
Model	DN	L (mm)	W (mm)	H (mm)
XSP9-7.5/0.25S	40	165	120	360

Hydraulic Performance Curves



Materials Table

No.	Part	Material	No.	Part	Material
1	Bolt	Stainless steel	25	Stator	
2	Stretching washer	Stainless steel	26	Screw	Stainless steel
3	Washer	Stainless steel	27	Stretching washer	Stainless steel
4	Handle	Stainless steel	28	Thermal protector	
5	Screw	Stainless steel	29	Wave washer	65Mn
6	Cable		30	Ball bearing	
7	Flange	Stainless steel	31	Rotor	
8	Cable protector	CR	32	Ball bearing	
9	Capacitor cover	Stainless steel	33	Rubber washer	FKM
10	Screw	Stainless steel	34	Screw	Stainless steel
11	Cable presser	Stainless steel	35	O-ring	FKM
12	Protector	FKM	36	Connection part	Stainless steel
13	O-ring	NBR	37	Mechanical seal	Carbon/Ceramic
14	Capacitor		38	O-ring	FKM
15	Rubber washer	FKM	39	Oil chamber cover	Stainless steel
16	Screw	Steel	40	Washer	Stainless steel
17	Stretching washer	65Mn	41	Screw	Stainless steel
18	Washer	Steel	42	Oil seal	
19	Press plate	Steel	43	Impeller	Stainless steel
20	Cable holder	NBR	44	Nut	Stainless steel
21	Screw	CuZn40	45	Connector	ABS
22	Stretching washer	65Mn	46	O-ring	FKM
23	Washer	CuZn40	47	Pump body	Stainless steel
24	Nut	Stainless steel			



XSP

Stainless Steel Submersible Sewage Pump

Application

- Wastewater drainage in factories, construction sites and commercial facilities
- Drainage system in municipal sewage treatment plants
- Drainage station in residential quarters
- Municipal projects
- Methane pools and field irrigation in countryside

Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 4 – 10
- Liquid kinematic viscosity: $7x10^{-7}$~ $23x10^{-6}$ m^2/s
- Max. liquid density: $1.2x10^3$ kg/m^3

Motor

- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

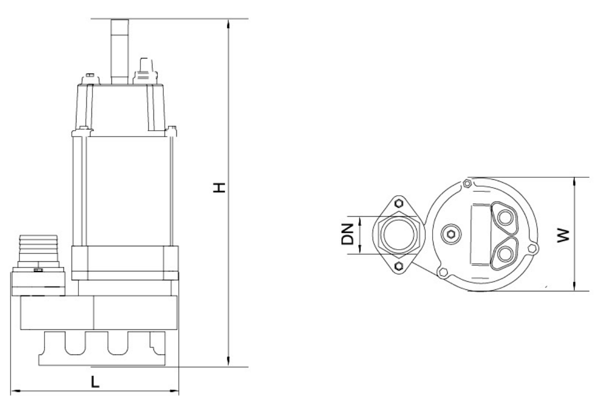
Identification Codes

XSP 18 – 12 / 0.75 S

- S — Pump Body Material: Stainless Steel
- 0.75 — Power (kW)
- 12 — Max. Head (m)
- 18 — Max. Flow (m^3/h)
- XSP — Sewage Submersible Pump

Technical Data

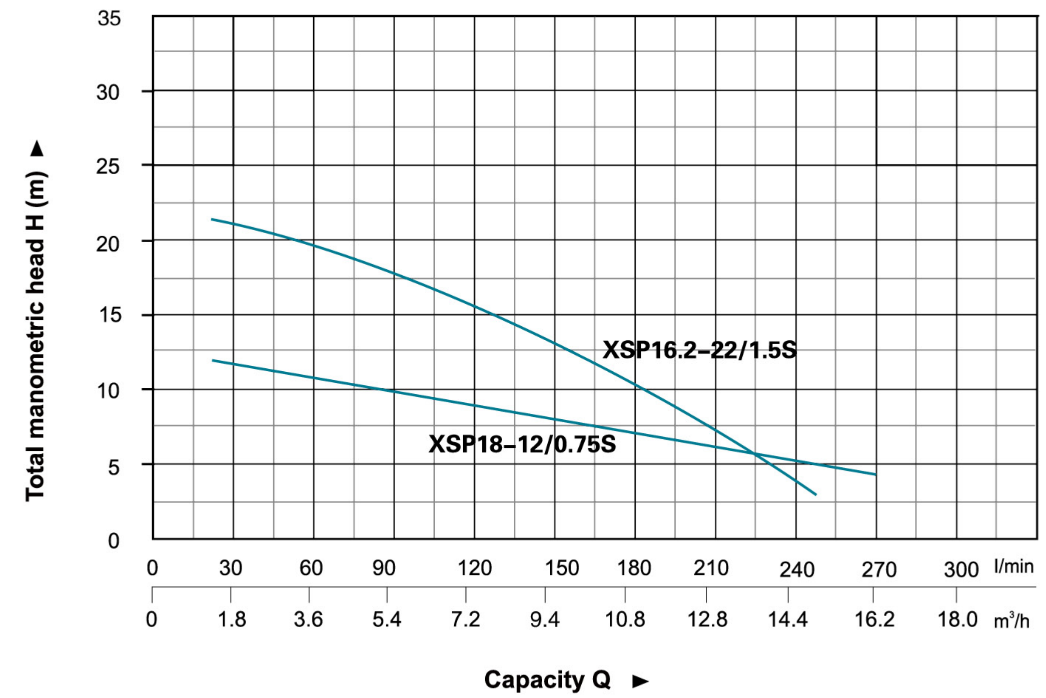
MODEL	POWER		Outlet diameter (mm)	Max.flow (l/min)	Max.head (m)	Max.dia. of particle (mm)	GW (kgs)	Packing size (mm)	Quantity (PCS/20'TEU)
	(kW)	HP							
XSP18-12/0.75S	0.75	1.0	50	300	12	25	22.2	540x265x195	1056
XSP16.2-22/1.5S	1.5	2.0	40	270	22	10	27.5	585x350x245	540



Dimension

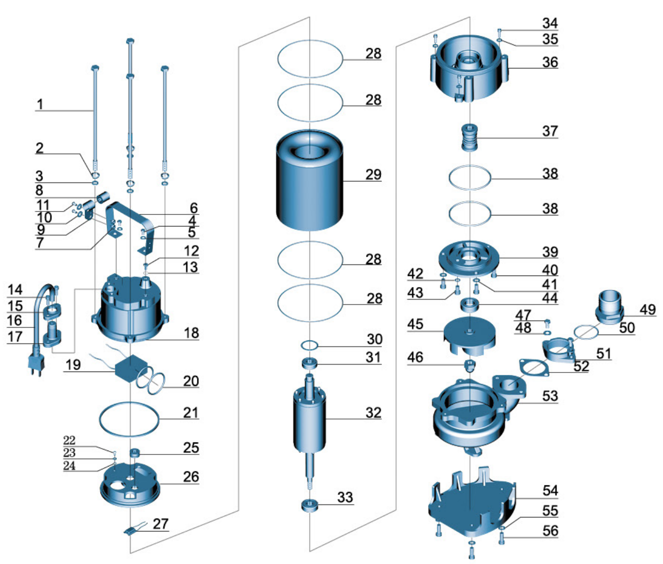
Model	DN	L (mm)	W (mm)	H (mm)
XSP18-12/0.75S	50	226	159	500
XSP16.2-22/1.5S	50	275	198	530

Hydraulic Performance Curves



Materials Table

No.	Part	Material	No.	Part	Material
1	Bolt	Stainless steel	29	Stator	
2	Stretching washer	Stainless steel	30	Wave washer	65Mn
3	Washer	Stainless steel	31	Ball bearing	
4	Bolt	Stainless steel	32	Rotor	
5	Washer	Stainless steel	33	Ball bearing	
6	Handle	Stainless steel	34	Screw	Stainless steel
7	Nut	Stainless steel	35	Washer	Stainless steel
8	Protector	FKM	36	Connection part	Stainless steel
9	Cable presser	Stainless steel	37	Mechanical seal	Carbon/Ceramic
10	Washer	Stainless steel	38	O-ring	FKM
11	Screw	Stainless steel	39	Oil chamber cover	Stainless steel
12	Bolt	Stainless steel	40	Screw	Stainless steel
13	O-ring	FKM	41	Washer	Stainless steel
14	Bolt	Stainless steel	42	O-ring	FKM
15	Flange	Stainless steel	43	Screw	Stainless steel
16	Cable		44	Oil seal	
17	Cable protector	CR	45	Impeller	Stainless steel
18	Capacitor cover	Stainless steel	46	Nut	
19	Capacitor		47	Bolt	Stainless steel
20	O-ring	NBR	48	Washer	Stainless steel
21	Rubber washer	FKM	49	Connector	ABS
22	Screw	CuZu40	50	O-ring	FKM
23	Stretching washer	65Mn	51	Connection nut	Stainless steel
24	Washer	CuZu40	52	Rubber washer	FKM
25	Cable holder	NBR	53	Pump body	Stainless steel
26	Motor cover	HT200	54	Base plate	Stainless steel
27	Thermal protector		55	Washer	Stainless steel
28	O-ring	FKM	56	Screw	Stainless steel



XSP

Stainless Steel Submersible Sewage Pump

Cutting Blade

Application

- Wastewater drainage in factories, construction sites and commercial facilities
- Drainage system in municipal sewage treatment plants
- Drainage station in residential quarters
- Municipal projects
- Methane pools and field irrigation in countryside

Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 4 – 10
- Liquid kinematic viscosity: $7x10^{-7}$ ~ $23x10^{-6}m^2/s$
- Max. liquid density: $1.2x10^3 kg/m^3$

Motor

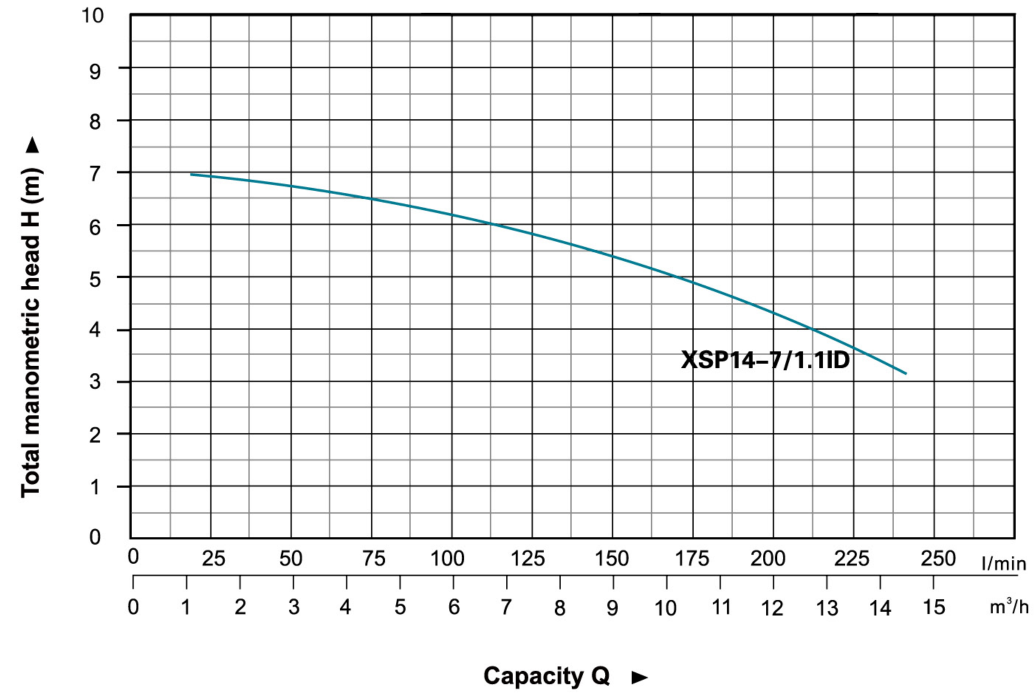
- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

Identification Codes

XSP 14 – 7 / 1.1 I D

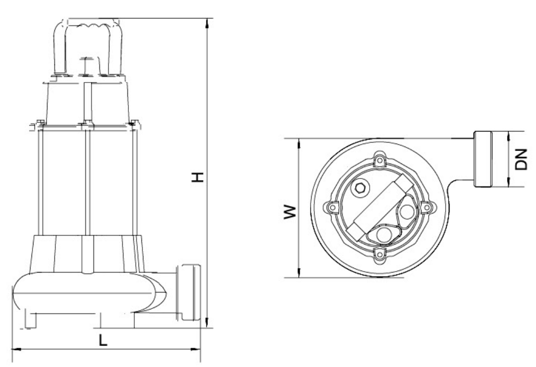
- D — Cutting Blade
- I — Pump Body Material : Cast Iron
- 1.1 — Power (kW)
- 7 — Max. Head (m)
- 14 — Max. Flow (m^3/h)
- XSP — Sewage Submersible Pump

Hydraulic Performance Curves



Technical Data

MODEL	POWER		Outlet diameter (mm)	Max.flow (l/min)	Max.head (m)	Max.dia. of particle (mm)	GW (kgs)	Packing size (mm)	Quantity (PCS/20'TEU)
	(kW)	HP							
XSP14-7/1.1ID	1.1	1.5	50	233	7	22.5	24	530x295x245	765

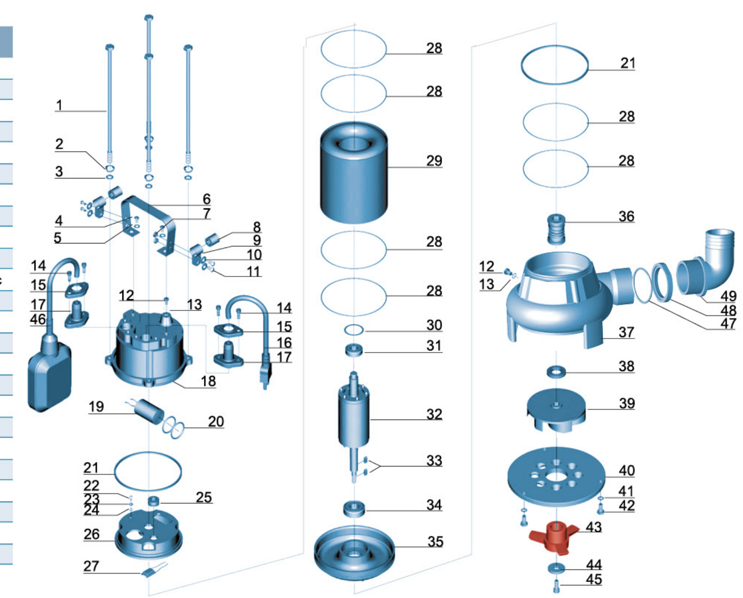


Dimension

Model	DN	L (mm)	W (mm)	H (mm)
XSP14-7/1.1ID	50	255	202	478

Materials Table

No.	Part	Material	No.	Part	Material
1	Bolt	Stainless steel	26	Upper cover	HT200
2	Stretching washer	Stainless steel	27	Thermal protector	
3	Washer	Stainless steel	28	O-ring	NBR
4	Bolt	Stainless steel	29	Stator	
5	Washer	Stainless steel	30	Wave washer	65Mn
6	Handle	Stainless steel	31	Ball bearing	
7	Nut	Stainless steel	32	Rotor	
8	Protector	NR	33	Key	Steel
9	Cable presser	Stainless steel	34	Ball bearing	
10	Washer	Stainless steel	35	Lower cover	HT200
11	Screw	Stainless steel	36	Mechanical seal	Carbon/Ceramic
12	Bolt	Stainless steel	37	Pump body	HT200
13	O-ring	NBR	38	Oil seal	
14	Screw	Stainless steel	39	Impeller	HT200
15	Flange	Stainless steel	40	Shredding ring	40Cr
16	Cable		41	Washer	Stainless steel
17	Cable protector	CR	42	Screw	Stainless steel
18	Capacitor cover	HT200	43	Radial cutter	40Cr
19	Capacitor		44	Washer	40Cr
20	O-ring	NBR	45	Screw	Stainless steel
21	Rubber washer	NBR	46	Float switch	
22	Screw	CuZn40	47	O-ring	NBR
23	Stretching washer	65Mn	48	Connection nut	ABS
24	Washer	CuZn40	49	Connector	ABS
25	Cable holder	NBR			



XSP

XSP

Stainless Steel Submersible Sewage Pump

Cutting Blade

Application

- Wastewater drainage in factories, construction sites and commercial facilities
- Drainage system in municipal sewage treatment plants
- Drainage station in residential quarters
- Municipal projects
- Methane pools and field irrigation in countryside

Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 4 – 10
- Liquid kinematic viscosity: 7×10^{-7}~ $23\times10^{-6}\,m^2/s$
- Max. liquid density: $1.2\times10^3\,kg/m^3$

Motor

- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

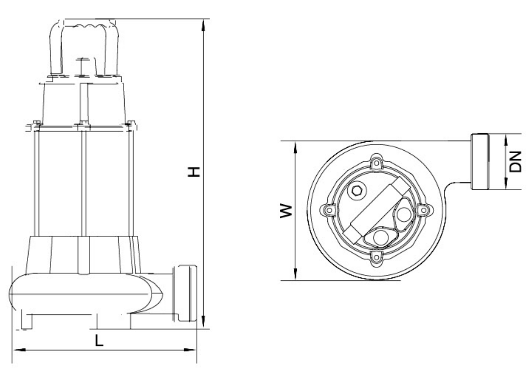
Identificati

XSP 18 – 12 / 1.3 I D

- D — Cutting Blade
- I — Pump Body Material : Cast Iron
- 1.3 — Power (kW)
- 12 — Max. Head (m)
- 18 — Max. Flow (m^3/h)
- XSP — Sewage Submersible Pump

Technical Data

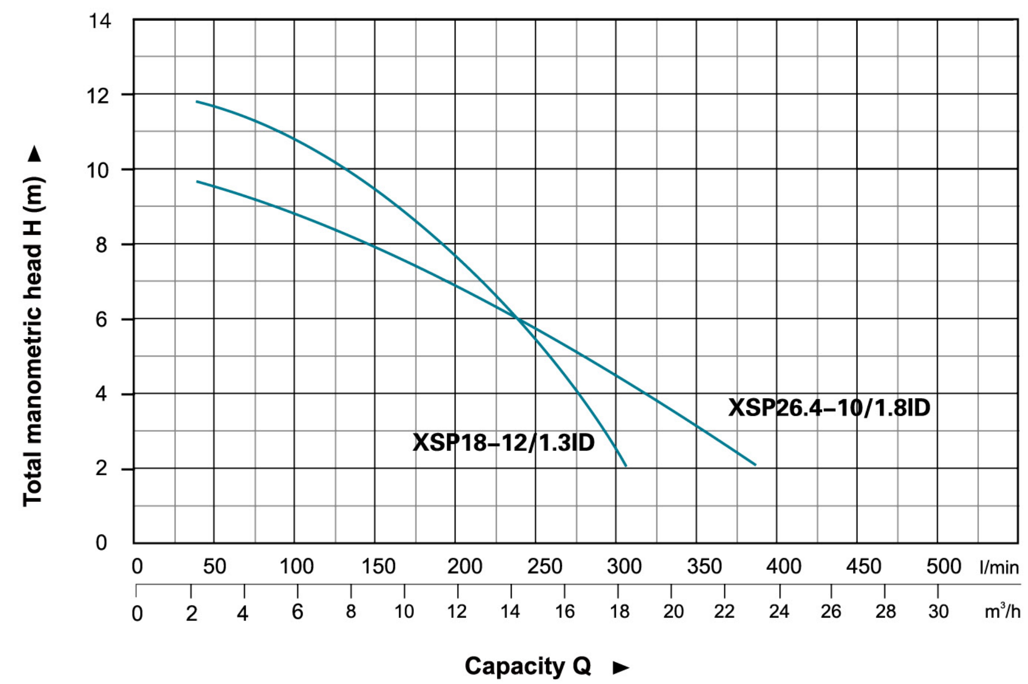
MODEL	POWER		Outlet diameter (mm)	Max.flow (l/min)	Max.head (m)	GW (kgs)	Packing size (mm)	Quantity (PCS/20'TEU)
	(kW)	HP						
XSP18-12/1.3ID	1.3	1.75	50	300	12	22.8	570x310x245	675
XSP26.4-10/1.8ID	1.8	2.4	75	440	10	30	585x350x245	540



Dimension

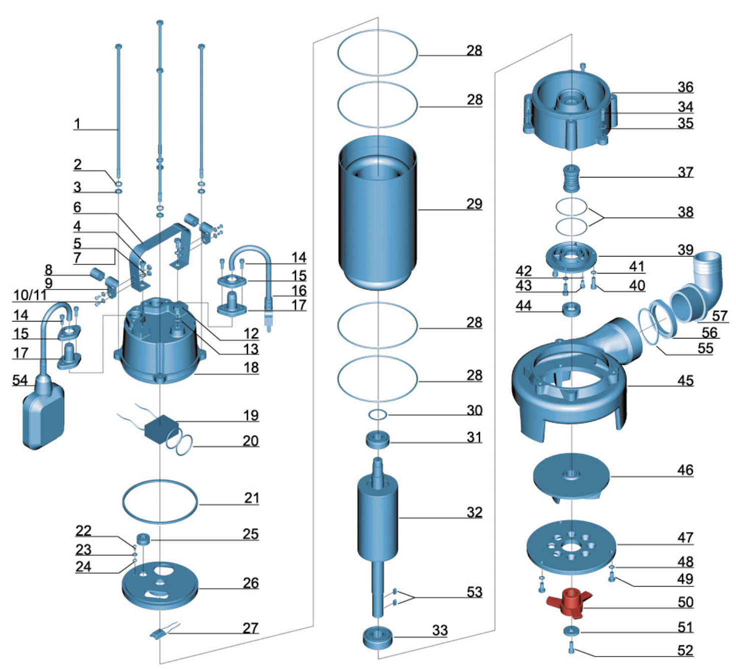
Model	DN	L (mm)	W (mm)	H (mm)
XSP18-12/1.3ID	50	252	191	510
XSP26.4-10/1.8ID	75	290	196	520

Hydraulic Performance Curves



Materials Table

No.	Part	Material	No.	Part	Material
1	Bolt	Stainless steel	30	Undulated washer	65Mn
2	Stretching washer	Stainless steel	31	Ball bearing	
3	Washer	Stainless steel	32	Rotor	
4	Bolt	Stainless steel	33	Ball bearing	
5	Washer	Stainless steel	34	Screw	Stainless steel
6	Handle	Stainless steel	35	Washer	Stainless steel
7	Nut	Stainless steel	36	Connection part	HT200
8	Protector	NR	37	Mechanical seal	Carbon/Ceramic
9	Cable presser	Stainless steel	38	O-ring	NBR
10	Washer	Stainless steel	39	Oil chamber cover	HT200
11	Screw	Stainless steel	40	Screw	Stainless steel
12	Bolt	Stainless steel	41	Washer	Stainless steel
13	O-ring	NBR	42	O-ring	NBR
14	Screw	Stainless steel	43	Screw	Stainless steel
15	Flange	Stainless steel	44	Oil seal	
16	Cable		45	Pump body	HT200
17	Cable Protector	CR	46	Impeller	HT200
18	Capacitor cover	HT200	47	Shredding ring	40Cr
19	Capacitor		48	Washer	Stainless steel
20	O-ring	NBR	49	Bolt	Stainless steel
21	Rubber washer	NBR	50	Radial cutter	40Cr
22	Screw	CuZn40	51	Washer	40Cr
23	Stretching washer	65Mn	52	Screw	Stainless steel
24	Washer	CuZn40	53	Key	Steel
25	Line protector	NBR	54	Float switch	
26	Motor cover	HT200	55	O-ring	NBR
27	Thermal protector		56	Connection nut	ABS
28	O-ring	NBR	57	Out-let connector	ABS
29	Motor stator	Stainless steel			



Application

- Small electrical irrigation and drainage equipments
- Particularly applied in urban well water pumping, field irrigation and drainage,garden irrigation and household water supply, as well as drainage of industrial accumulated water, water supply and drainage for construction, livestock breeding, etc.

Pump

- Stainless steel pump body
- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 4 – 10
- Max. liquid density: 1.03x10^{3}kg/m^3

Motor

- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

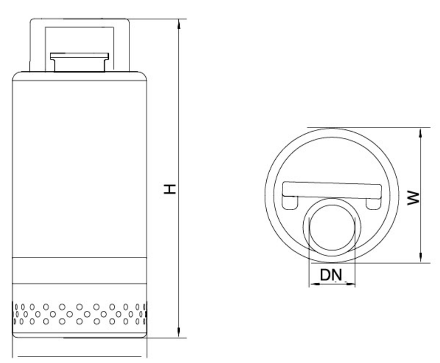
Identification Codes

XQS 7.2 – 8.5 / 0.25 S

- S — Pump Body Material: Stainless Steel
- 0.25 — Power (kW)
- 8.5 — Max. Head (m)
- 7.2 — Max. Flow (m^3/h)
- XQS — Submersible Pump

Technical Data

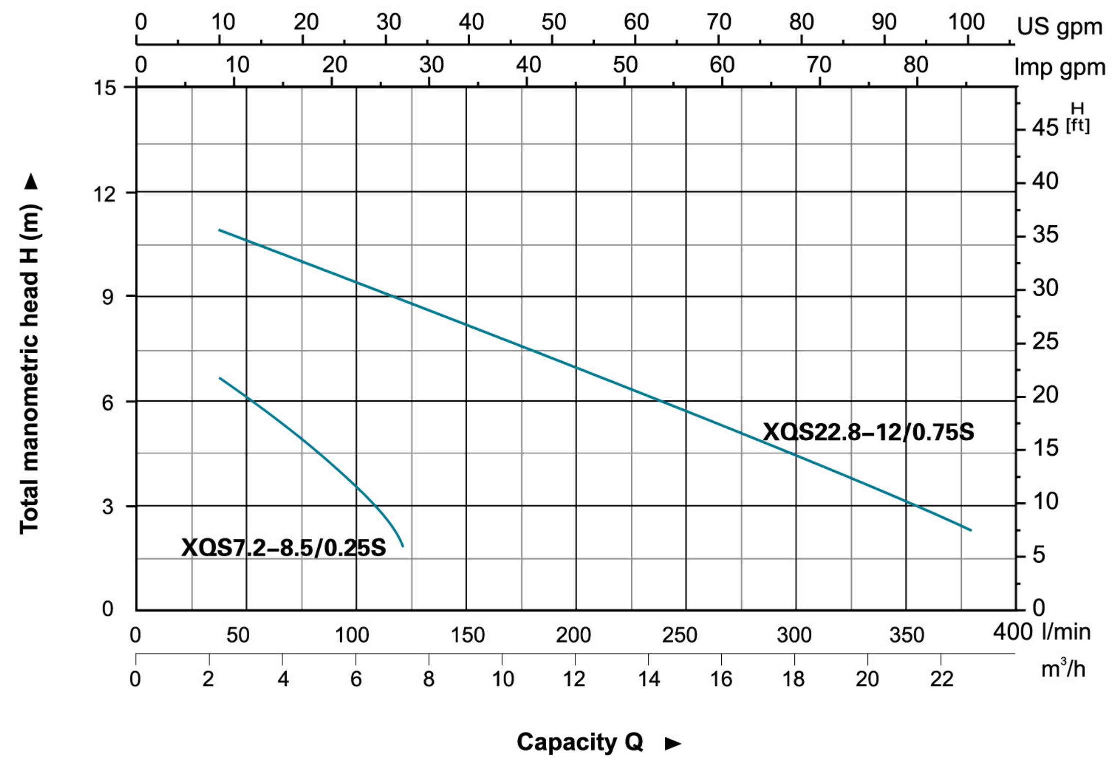
MODEL	POWER		Outlet diameter (mm)	Voltage (V/Hz)	Max.flow (l/min)	Max.head (m)	GW (kgs)	Packing size (mm)	Quantity (PCS/20'TEU)
	(kW)	HP							
XQS7.2-8.5/0.25S	0.25	0.33	40,32,25	220/60	120	8.5	10.2	175x175x360	2131
XQS22.8-12/0.75S	0.75	1.0	50	220/60	380	12	19.2	220x220x440	1132



Dimension

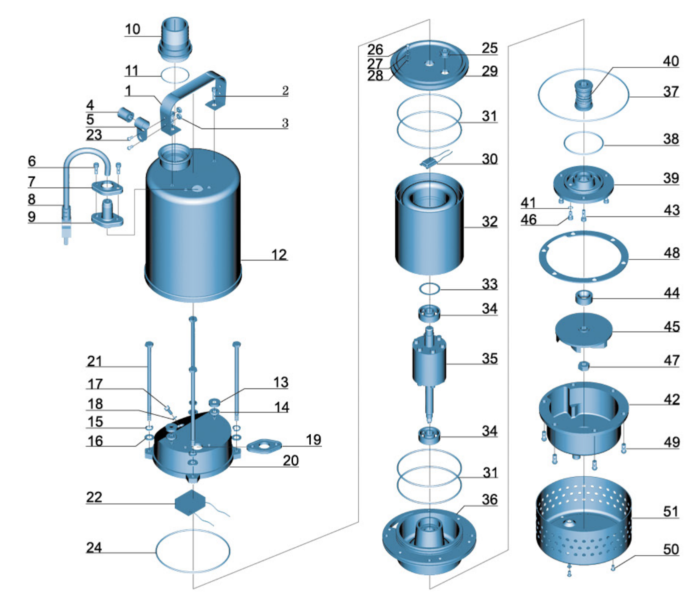
Model	DN	L (mm)	W (mm)	H (mm)
XQS7.2-8.5/0.25S	1$^1/_4$"	142	142	300
XQS22.8-12/0.75S	2"	170	170	380

Hydraulic Performance Curves



Materials Table

No.	Part	Material	No.	Part	Material
1	Handle	Stainless steel	27	Stretching washer	65Mn
2	Screw	Stainless steel	28	Washer	CuZn40
3	Nut	Stainless steel	29	Motor cover	Stainless steel
4	Protector	FKM	30	Thermal protector	
5	Cable presser	Stainless steel	31	O-ring	FKM
6	Screw	Stainless steel	32	Stator	
7	Flange	Stainless steel	33	Wave washer	65Mn
8	Cable		34	Ball bearing	
9	Cable protector	CR	35	Rotor	
10	Connector	ABS	36	Connection part	Stainless steel
11	O-ring	FKM	37	O-ring	FKM
12	Motor shell	Stainless steel	38	O-ring	FKM
13	Rubber washer	FKM	39	Oil chamber cover	Stainless steel
14	Washer	Steel	40	Mechanical seal	Sic/Sic
15	Stretching washer	Stainless steel	41	O-ring	FKM
16	Washer	Stainless steel	42	Pump body	Stainless steel
17	Screw	Stainless steel	43	Screw	Stainless steel
18	O-ring	FKM	44	Oil seal	
19	Rubber washer	FKM	45	Impeller	Stainless steel
20	Capacitor cover	Stainless steel	46	Screw	Stainless steel
21	Bolt	Stainless steel	47	Nut	Stainless steel
22	Capacitor		48	Rubber washer	FKM
23	Screw	Stainless steel	49	Screw	Stainless steel
24	O-ring	FKM	50	Screw	Stainless steel
25	Cable holder	NBR	51	Filter mesh	Stainless steel
26	Screw	CuZn40			



XQS

Stainless Steel Submersible Pump

Application

- Small electrical irrigation and drainage equipments
- Particularly applied in urban well water pumping, field irrigation and drainage,garden irrigation and household water supply, as well as drainage of industrial accumulated water, water supply and drainage for construction, livestock breeding, etc.

Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 6.5 – 8

Motor

- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

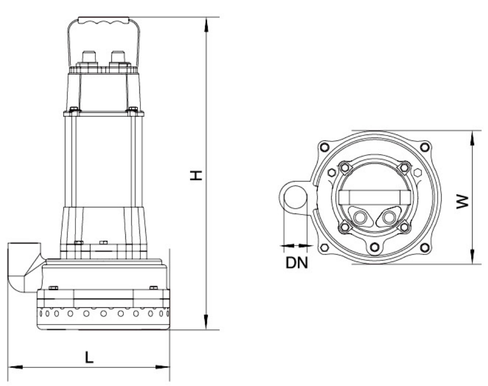
Identification Codes

XQS 4.5－27 / 2－0.55 I

- I: Pump Body Material : Cast Iron
- 0.55: Power (kW)
- 2: Impeller Stage
- 27: Max. Head (m)
- 4.5: Max. Flow (m^3/h)
- XQS: Submersible Pump

Technical Data

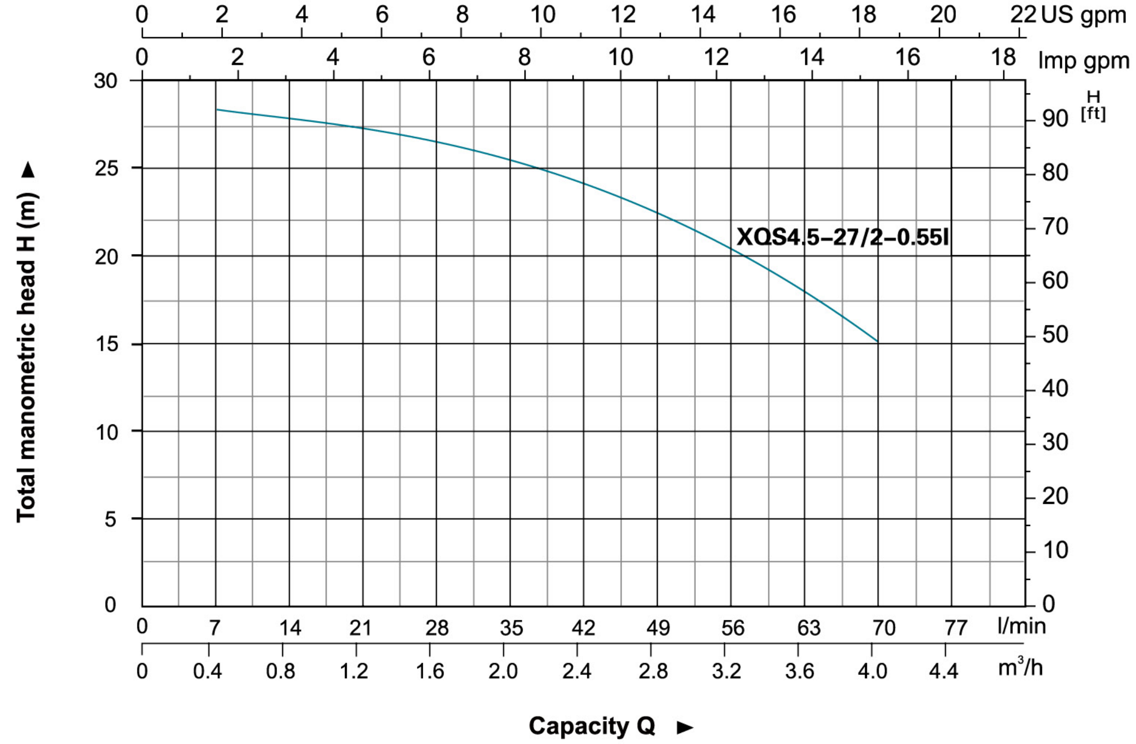
MODEL	POWER		Outlet diameter (mm)	Max.flow (l/min)	Max.head (m)	GW (kgs)	Packing size (mm)	Quantity (PCS/20'TEU)
	(kW)	HP						
XQS4.5-27/2-0.55I	0.55	0.75	25	75	27	21.8	500x270x235	980



Dimension

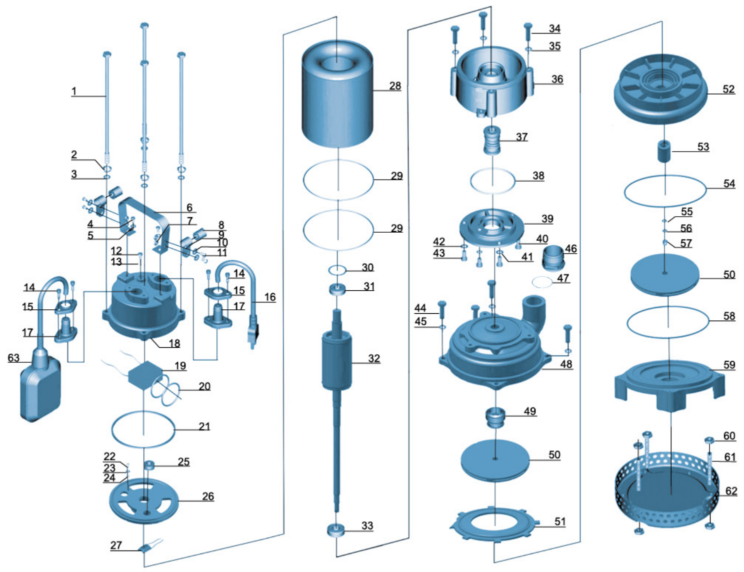
Model	DN	L (mm)	W (mm)	H (mm)
XQS4.5-27/2-0.55I	1"	235	198	462

Hydraulic Performance Curves



Materials Table

No.	Part	Material	No.	Part	Material
1	Bolt	Stainless steel	33	Ball bearing	
2	Stretching washer	Stainless steel	34	Bolt	Stainless steel
3	Washer	Stainless steel	35	Washer	Stainless steel
4	Bolt	Stainless steel	36	Connection part	HT200
5	Washer	Stainless steel	37	Mechanical seal	Carbon/Ceramic
6	Handle	Stainless steel	38	O-ring	NBR
7	Nut	Stainless steel	39	Oil chamber cover	HT200
8	Protector	NR	40	Screw	Stainless steel
9	Cable presser	Stainless steel	41	Washer	Stainless steel
10	Washer	Stainless steel	42	O-ring	Stainless steel
11	Screw	Stainless steel	43	Screw	Stainless steel
12	Bolt	Stainless steel	44	Bolt	Stainless steel
13	O-ring	NBR	45	Washer	Stainless steel
14	Bolt	Stainless steel	46	Connector	ABS
15	Flange	Stainless steel	47	O-ring	NBR
16	Cable		48	Pump body	HT200
17	Cable protector	CR	49	Mechanical seal	Carbon/Ceramic
18	Capacitor cover	HT200	50	Impeller	PPO
19	Capacitor		51	Guidleaf cover	PPO
20	O-ring	NBR	52	Guidleaf	PPO
21	O-ring	NBR	53	Sleeve	PPO
22	Screw	CuZu40	54	O-ring	NBR
23	Stretching washer	65Mn	55	Washer	Stainless steel
24	Washer	CuZu40	56	Stretching washer	Stainless steel
25	Cable holder	NBR	57	Nut	Stainless steel
26	Motor cover	HT200	58	O-ring	NBR
27	Thermal protector		59	Pump cover	HT200
28	Stator		60	Nut	
29	O-ring	NBR	61	Bilateral bolt	Stainless steel
30	Wave washer	65Mn	62	Filter mesh	Stainless steel
31	Ball bearing		63	Float switch	
32	Rotor				



Application

- Small electrical irrigation and drainage equipments
- Particularly applied in urban well water pumping, field irrigation and drainage,garden irrigation and household water supply, as well as drainage of industrial accumulated water, water supply and drainage for construction, livestock breeding, etc.

Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 6.5 – 8

Motor

- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

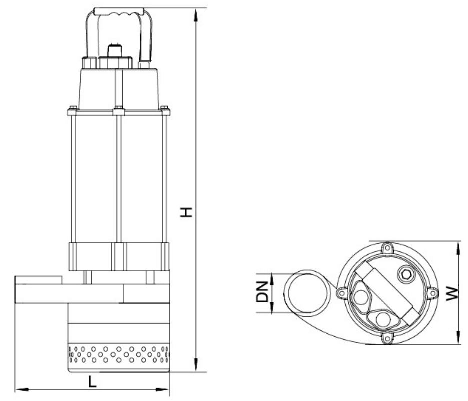
Identification Codes

XQS15 – 30 / 2 – 1.1 I

- I — Pump Body Material : Cast Iron
- 1.1 — Power (kW)
- 2 — Impeller Stage
- 30 — Max. Head (m)
- 15 — Max. Flow (m^3/h)
- XQS — Submersible Pump

Technical Data

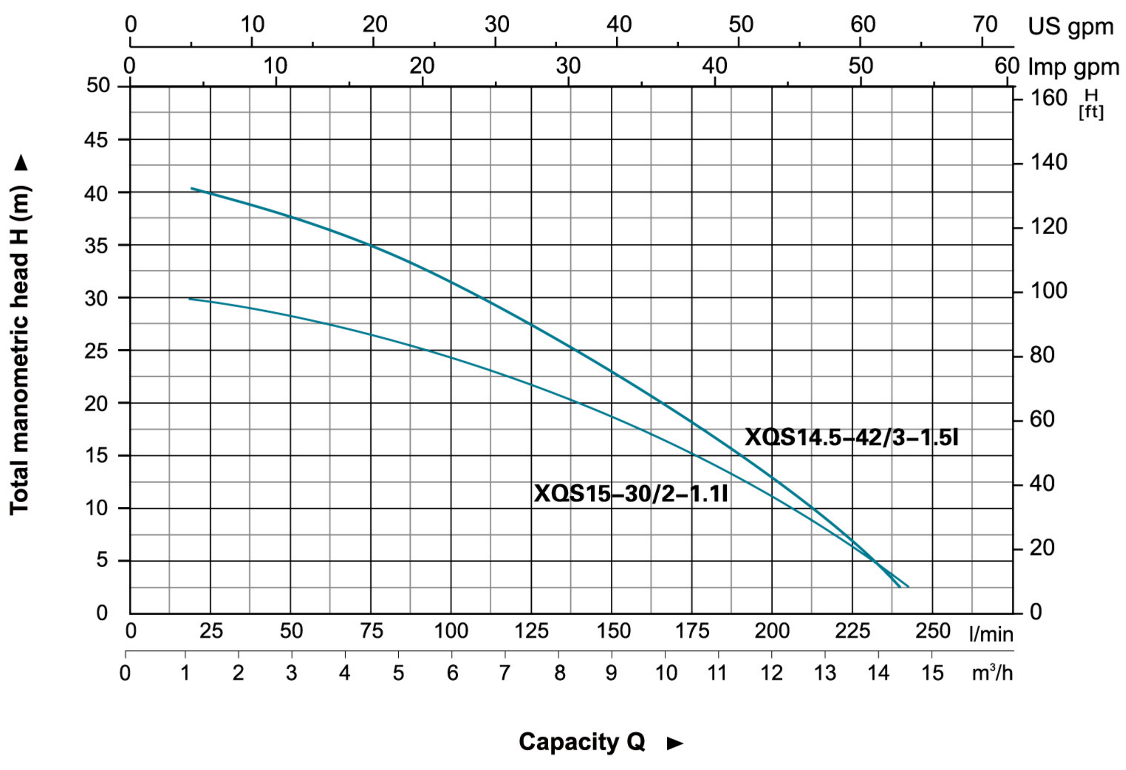
MODEL	POWER		Outlet diameter (mm)	Max.flow (l/min)	Max.head (m)	GW (kgs)	Packing size (mm)	Quantity (PCS/20'TEU)
	(kW)	HP						
XQS15–30/2–1.1I	1.1	1.5	50	250	30	23.3	555x290x220	840
XQS14.5–42/3–1.5I	1.5	2.0	50	240	42	26.8	625x285x205	814



Dimension

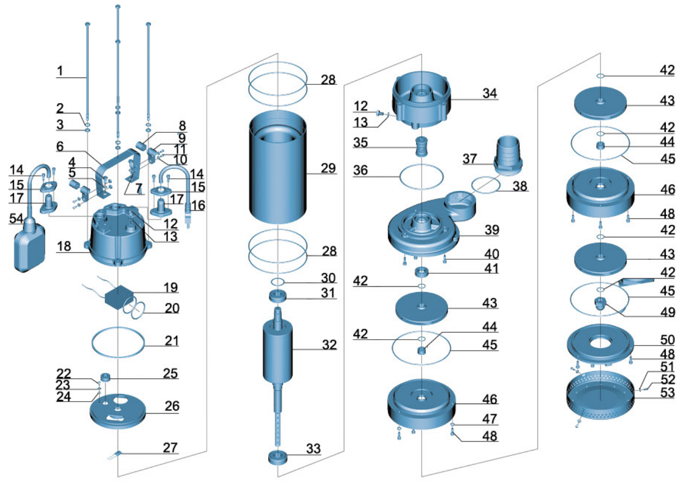
Model	DN	L (mm)	W (mm)	H (mm)
XQS15–30/2–1.1I	2"	232	152	508
XQS14.5–42/3–1.5I		232	152	567

Hydraulic Performance Curves



Materials Table

No.	Part	Material	No.	Part	Material
1	Bolt	Stainless steel	29	Stator	
2	Stretching washer	Stainless steel	30	Wave washer	65Mn
3	Washer	Stainless steel	31	Ball bearing	
4	Bolt	Stainless steel	32	Rotor	
5	Washer	Stainless steel	33	Ball bearing	
6	Handle	Stainless steel	34	Connection part	HT200
7	Nut	Stainless steel	35	Mechanical seal	Carbon/Ceramic
8	Protector	NR	36	O-ring	NBR
9	Cable presser	Stainless steel	37	Connector	ABS
10	Washer	Stainless steel	38	O-ring	NBR
11	Screw	Stainless steel	39	Pump body	HT200
12	Bolt	Stainless steel	40	Screw	Stainless steel
13	O-ring	NBR	41	Oil seal	
14	Screw	Stainless steel	42	Rubber washer	NBR
15	Flange	Stainless steel	43	Impeller	HT200
16	Cable		44	Ring	Steel
17	Cable protector	CR	45	O-ring	NBR
18	Capacitor cover	HT200	46	Diffuser	HT200
19	Capacitor		47	Stretching washer	Stainless steel
20	O-ring	NBR	48	Screw	Stainless steel
21	Rubber washer	NBR	49	Nut	Stainless steel
22	Screw	CuZn40	50	Pump cover	HT200
23	Stretching washer	65Mn	51	Washer	Stainless steel
24	Washer	CuZn40	52	Screw	Stainless steel
25	Cable holder	NBR	53	Filter mesh	Steel
26	Motor cover	HT200	54	Float switch	
27	Thermal protector		55	Key	Steel
28	O-ring	NBR			



Application

- Small electrical irrigation and drainage equipments
- Particularly applied in urban well water pumping, field irrigation and drainage,garden irrigation and household water supply, as well as drainage of industrial accumulated water, water supply and drainage for construction, livestock breeding, etc.

Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 6.5 – 8

Motor

- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

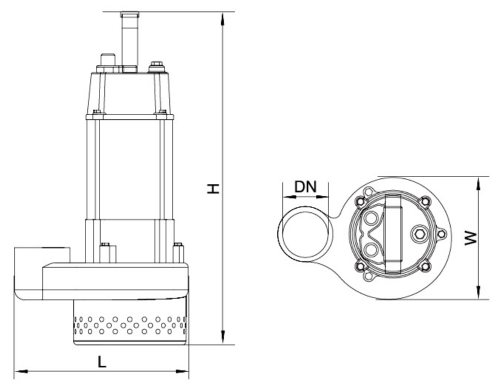
Identification Codes

XQS 15 – 20 / 1.1 I

- I — Pump Body Material : Cast Iron
- 1.1 — Power (kW)
- 20 — Max. Head (m)
- 15 — Max. Flow (m^3/h)
- XQS — Submersible Pump

Technical Data

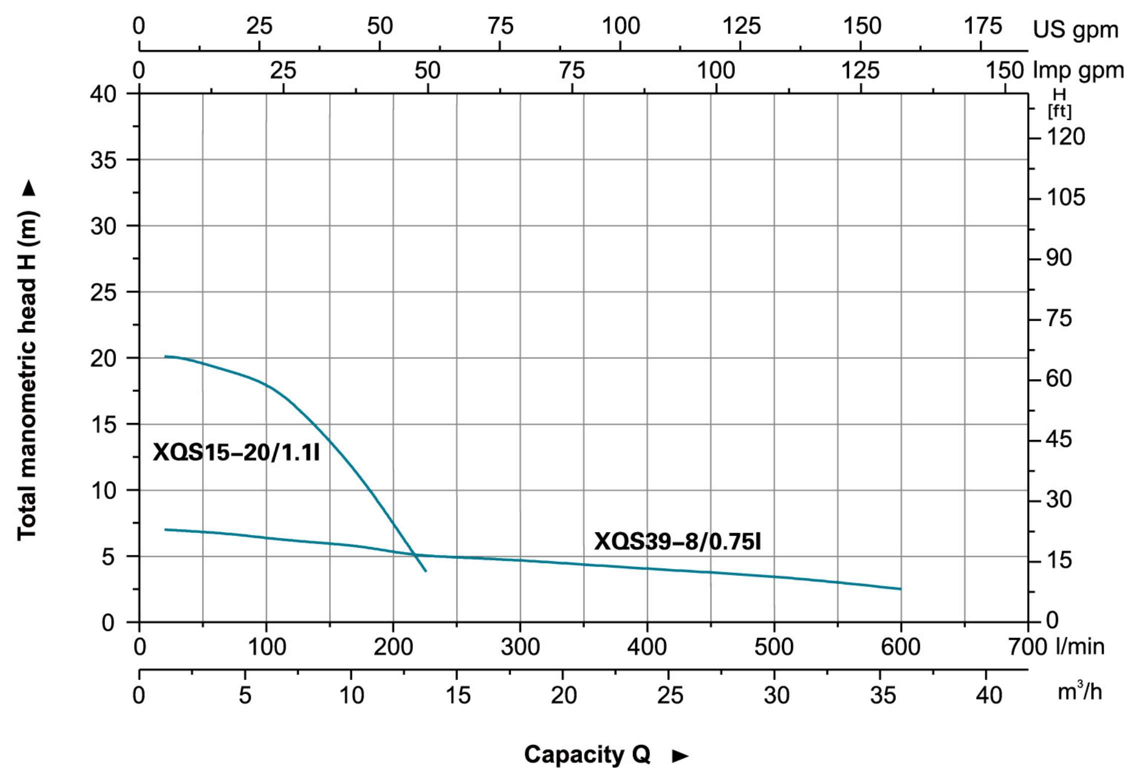
MODEL	POWER		Outlet diameter (mm)	Max.flow (l/min)	Max.head (m)	GW (kgs)	Packing size (mm)	Quantity (PCS/20'TEU)
	(kW)	HP						
XQS39-8/0.75I	0.75	1.0	75	650	8	21.6	580x320x250	684
XQS15-20/1.1I	1.1	1.5	40,32,25	250	20	21.5	510x290x220	880



Dimension

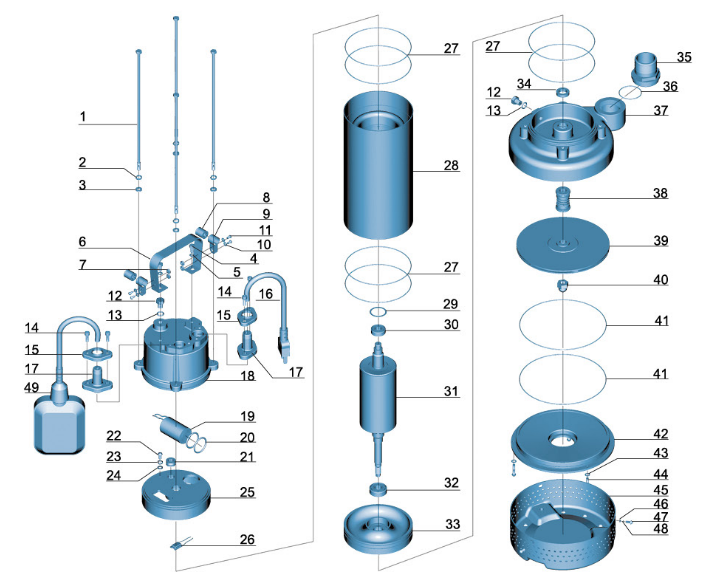
Model	DN	L (mm)	W (mm)	H (mm)
XQS39-8/0.75I	2 1/2"	207	109	500
XQS15-20/1.1I	1 1/4"	238	177	460

Hydraulic Performance Curves



Materials Table

No.	Part	Material	No.	Part	Material
1	Bolt	Stainless steel	26	Thermal protector	
2	Stretching washer	Stainless steel	27	O-ring	NBR
3	Washer	Stainless steel	28	Stator	
4	Bolt	Stainless steel	29	Wave washer	65Mn
5	Washer	Stainless steel	30	Ball bearing	
6	Handle	Stainless steel	31	Rotor	
7	Nut	Stainless steel	32	Ball bearing	
8	Protector	NR	33	Lower cover	HT200
9	Cable presser	Stainless steel	34	Oil seal	
10	Washer	Stainless steel	35	Connector	ABS
11	Screw	Stainless steel	36	O-ring	NBR
12	Bolt	Stainless steel	37	Pump body	HT200
13	O-ring	NBR	38	Mechanical seal	Carbon/Ceramic
14	Screw	Stainless steel	39	Impeller	HT200
15	Flange	Stainless steel	40	Nut	Stainless steel
16	Cable		41	O-ring	NBR
17	Cable protector	CR	42	Pump body	HT200
18	Capacitor cover	HT200	43	Washer	Stainless steel
19	Capacitor		44	Screw	Stainless steel
20	O-ring	NBR	45	Filter mesh	Steel
21	Cable holder	NBR	46	Washer	Stainless steel
22	Screw	CuZn40	47	Screw	Stainless steel
23	Stretching washer	65Mn	48	Stretching washer	Stainless steel
24	Washer	CuZn40	49	Float switch	
25	Upper cover	HT200			



Application

- Civil engineering
- Mines,quarries,Coal ore & slurries
- Sewage treatment plants
- General pumping purposes

Pump

- Max. liquid temperature: +40℃
- Flow: up to 60 m³/h
- Head: up to 57 m
- Power: 1.5 kW (2 HP) to 15kW (20 HP)
- Max. Immersion depth: 25 m
- The length of cable is optional

Motor

- Insulation class: B
- Protection class: IP68

Identification Codes

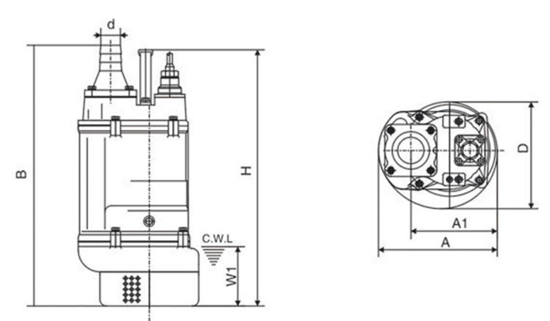
KBZ 2 1.5

- 1.5 — Power (kW)
- 2 — Outlet Diameter (")
- KBZ — Submersible Dewatering Pump

Technical Data

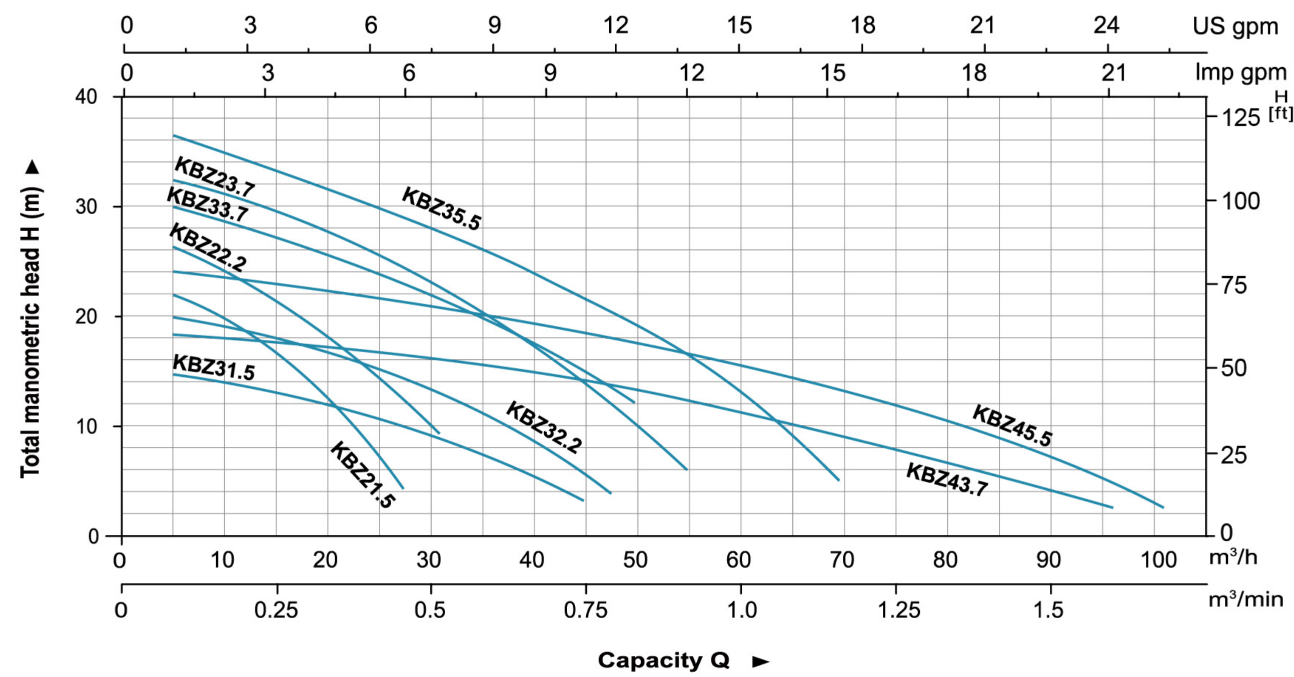
Model	Outlet	Power		Max head	Max flow		Impeller passage
	mm	kW	HP	m	m³/h	m³/min	mm
KBZ21.5	50	1.5	2	23	27	0.45	8.5
KBZ22.2	50	2.2	3	28	31	0.52	8.5
KBZ23.7	50	3.7	5	33	50	0.83	8.5
KBZ31.5	80	1.5	2	15	45	0.75	8.5
KBZ32.2	80	2.2	3	20.5	47	0.78	8.5
KBZ33.7	80	3.7	5	31	55	0.92	8.5
KBZ35.5	80	5.5	7.5	38	69	1.15	8.5
KBZ43.7	100	3.7	5	18.5	96	1.6	8.5
KBZ45.5	100	5.5	7.5	24.4	102	1.7	8.5

Dimension



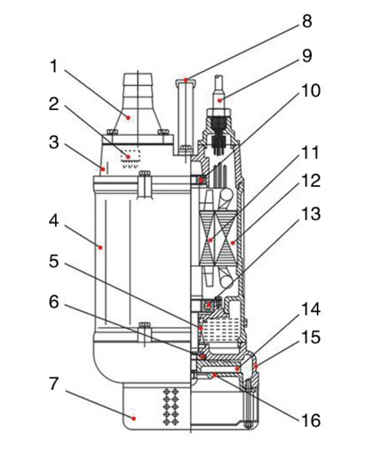
Model	d	A	A1	B	D	H	W1
KBZ21.5	50	235	173	517	216	486	120
KBZ31.5	80	235	173	517	216	486	120
KBZ22.2	50	235	173	517	216	486	120
KBZ32.2	80	235	173	517	216	486	120
KBZ23.7	50	283	208	628	252	638	150
KBZ33.7	80	283	208	628	252	638	150
KBZ43.7	100	283	208	642	252	638	150
KBZ35.5	80	306	218	671	259	598	150
KBZ45.5	100	306	218	686	259	598	150

Hydraulic Performance Curves



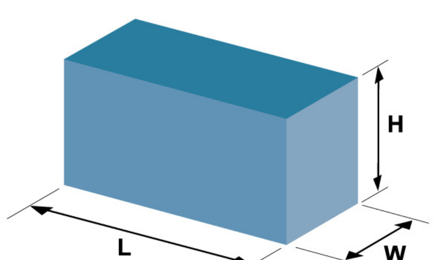
Materials Table

No.	Part	Material	No.	Part	Material
1	Hose coupling	Cast iron	9	Cable	
2	Thermal protector		10	Bearing	
3	Upper cover	Cast iron	11	Rotor	
4	Motor cover	Cast iron	12	Stator	
5	Oil seal		13	Bearing	
6	Mechanical seal	Sic-Sic/Carbon-Sic (≤2.2 kW) Sic-Sic/Sic-Sic (≥3.7 kW)	14	Impeller	High chrome alloy
7	Strainer	Steel	15	Pump body	Cast iron
8	Handle	Steel	16	Inlet plate	Ductile iron



Package Information

Model	N.W (kg)	G.W (kg)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
KBZ21.5	34.5	37.5	585	270	270	648
KBZ22.2	36	39	585	270	270	648
KBZ23.7	60	65	685	325	300	406
KBZ31.5	34.5	37	585	270	270	648
KBZ32.2	36	39	585	270	270	648
KBZ33.7	60	65	685	325	300	406
KBZ35.5	77	84	725	355	370	288
KBZ43.7	61	66	685	325	300	406
KBZ45.5	78	85	725	355	370	288



Application

- Civil engineering
- Mines,quarries,Coal ore & slurries
- Sewage treatment plants
- General pumping purposes

Pump

- Max. liquid temperature: +40℃
- Flow: up to 60 m^3/h
- Head: up to 57 m
- Power: 1.5 kW (2 HP) to 15kW (20 HP)
- Max. Immersion depth: 25 m
- The length of cable is optional

Motor

- Insulation class: B
- Protection class: IP68

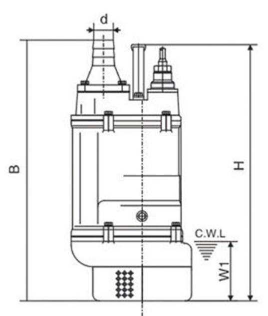
Identification Codes

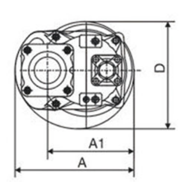
KBZ 4 7.5

- 7.5 — Power (kW)
- 4 — Outlet Diameter (")
- KBZ — Submersible Dewatering Pump

Technical Data

Model	Outlet	Power		Max head	Max flow		Impeller passage
	mm	kW	HP	m	m^3/h	m^3/min	mm
KBZ47.5	100	7.5	10	41	80	1.33	11.5
KBZ411	100	11	15	48.5	84	1.4	11.5
KBZ415	100	15	20	57	84	1.4	11.5
KBZ67.5	150	7.5	10	31	127	2.12	19.5
KBZ611	150	11	15	32	147	2.45	19.5
KBZ615	150	15	20	39	160	2.67	19.5

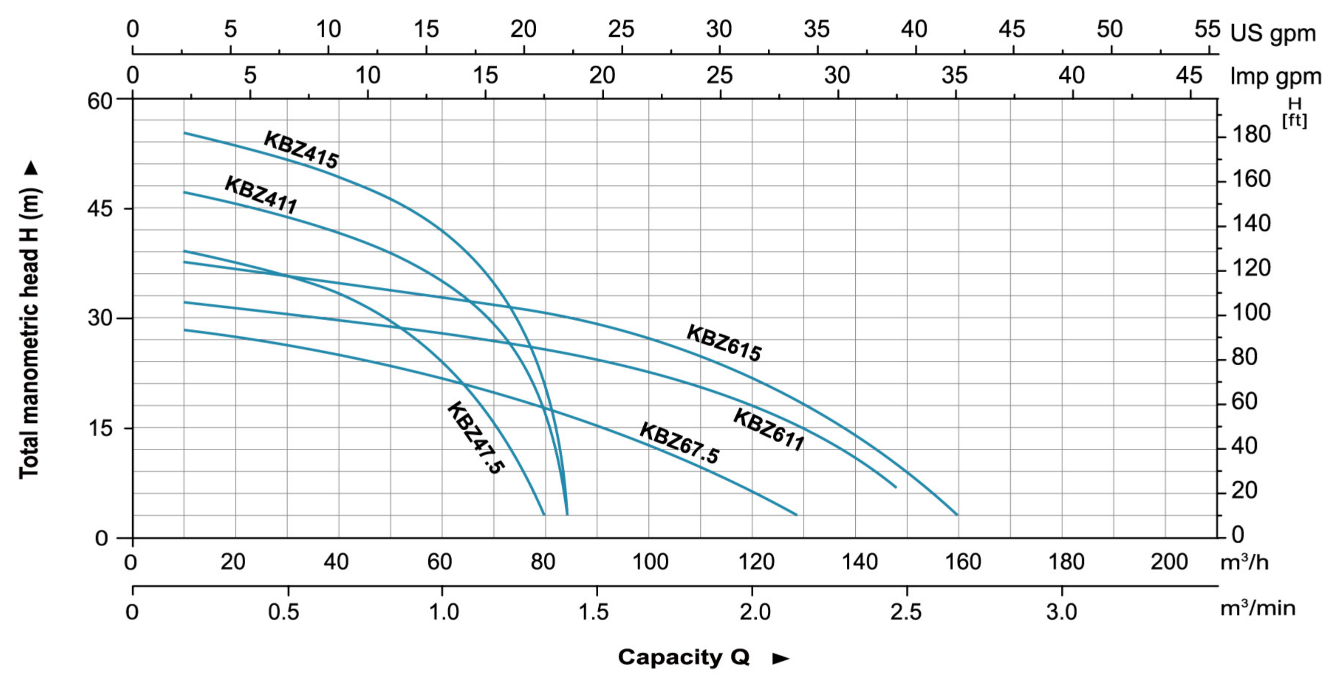




Dimension

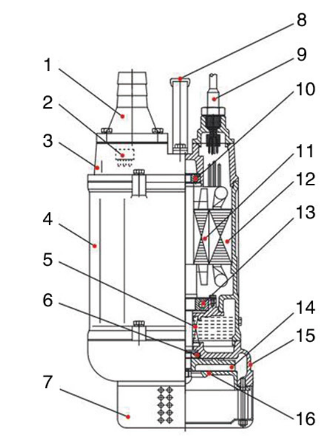
Model	d	A	A1	B	D	H	W1
KBZ47.5	100	330	240	764	314	676	190
KBZ411	100	373	255	807	350	695	190
KBZ67.5	150	330	240	790	314	676	190
KBZ611	150	373	255	807	350	695	190
KBZ415	100	373	255	842	350	755	190
KBZ415	100	373	255	842	350	755	190
KBZ615	150	373	255	842	350	755	190
KBZ615	150	373	255	842	350	755	190

Hydraulic Performance Curves



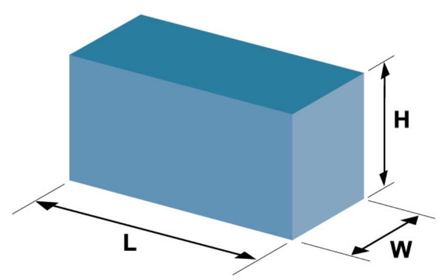
Materials Table

No.	Part	Material	No.	Part	Material
1	Hose coupling	Cast iron	9	Cable	
2	Thermal protector		10	Bearing	
3	Upper cover	Cast iron	11	Rotor	
4	Motor cover	Cast iron	12	Stator	
5	Oil seal		13	Bearing	
6	Mechanical seal	Sic-Sic/Carbon-Sic (≤2.2 kW) Sice-Sice/Sic-Sice (≥3.7 kW)	14	Impeller	High chrome alloy
			15	Pump body	Cast iron
7	Strainer	Steel	16	Inlet plate	Ductile iron
8	Handle	Steel			



Package Information

Model	N.W (kg)	G.W (kg)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
KBZ47.5	105	114	805	365	390	215
KBZ411	130	140	895	415	440	160
KBZ415	142	153	895	415	440	160
KBZ67.5	106	114	835	365	390	205
KBZ611	133	143	855	415	440	160
KBZ615	145	156	895	415	440	160



Application

- Civil engineering
- Mines, quarries, Coal ore & slurries
- Sewage treatment plants
- General pumping purposes
- Pumping fluid: sludge, liquids containing mud and bentonite

Pump

- Max. liquid temperature: +40℃
- Flow: up to 60 m^3/h
- Head: up to 57 m
- Power: 1.5 kW (2 HP) to 15 kW (20 HP)
- Max. Immersion depth: 25 m
- Optional cable length

Motor

- Copper winding
- Insulation class: B
- Protection class: IP68

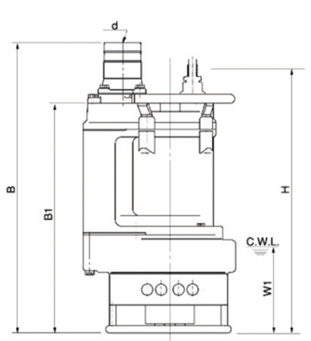
Identification Codes

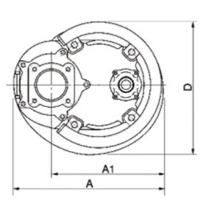
80 KBS 4 4

- 4 — Power (kW)
- 4 — Motor Pole
- KBS — Submersible Slurry Pump
- 80 — Outlet Diameter (mm)

Technical Data

Model	Outlet	Power		Max. head	Max. capacity	Impeller passage
	mm	kW	HP	m	m^3/min	mm
80KBS44	80	4	5.5	14.8	1.65	30
100KBS46	100	6	8	16.9	2.40	30
150KBS49	150	9	12	21.5	3.20	30

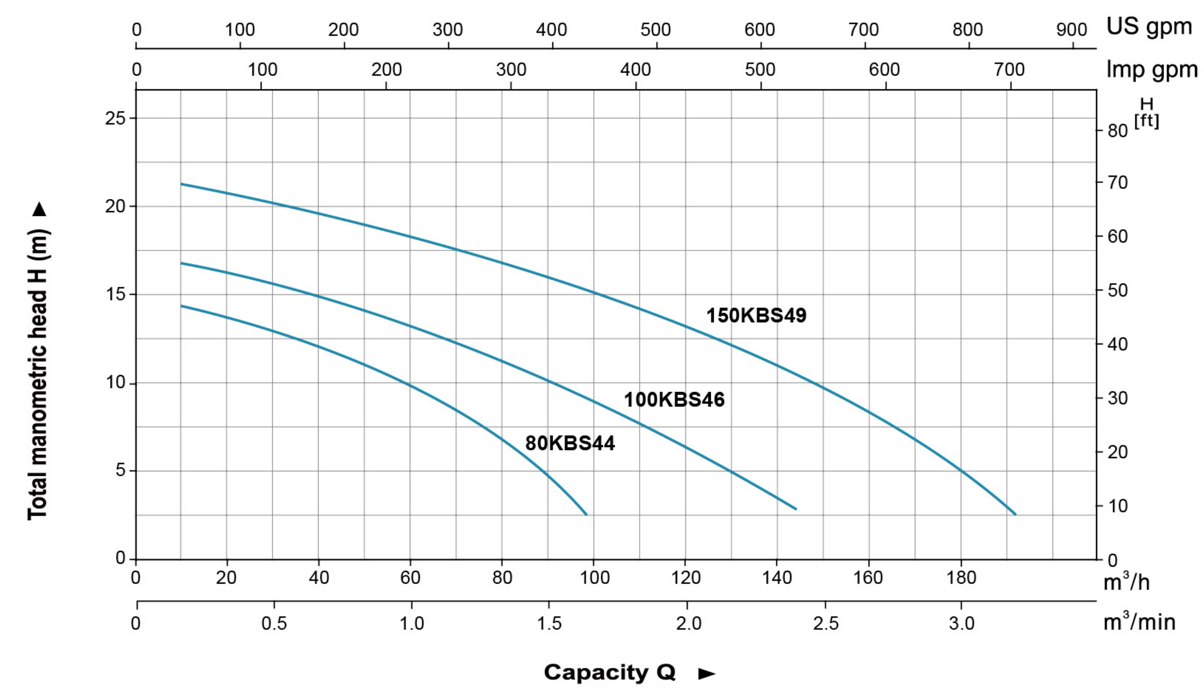




Dimension

Model	d	A	A1	B	B1	D	H	W1
80KBS44	80	350	260	816	666	326	730	250
100KBS46	100	415	305	844	688	373	730	250
150KBS49	150	434	324	889	709	407	776	250

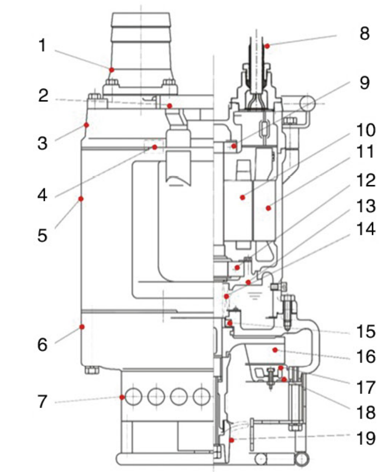
Hydraulic Performance Curves



Materials Table

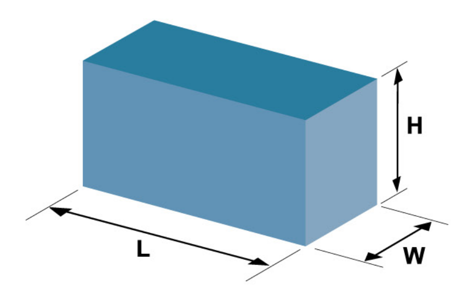
No.	Part	Material
1	Hose coupling	Cast iron
2	Handle	Steel
3	Upper cover	Cast iron
4	Motor protector	
5	Motor body	Cast iron
6	Pump body	Cast iron
7	Strainer	Steel
8	Cable	
9	Bearing	
10	Rotor	

No.	Part	Material
11	Stator	
12	Bearing	
13	Bearing house	Cast iron
14	Mechanical seal	Sic-Sic/Sic-Sic
15	Oil seal	
16	Impeller	High chrome alloy
17	Inlet plate	High chrome alloy
18	Inlet base	Cast iron
19	Agitator	High chrome alloy



Package Information

Model	N.W (kg)	G.W (kg)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
80KBS44	105	113	855	415	400	190
100KBS46	145	156	415	475	990	143
150KBS49	170	184	475	475	1050	118



Impeller

(Hose coupling as standard.
Flange elbow is available on request.)

Applications

- Drainage of wastewater from the attenuation tank, purifying tank and sewage tank in water treatment plant
- Drainage of waste water containing fibrous additives from leather factory and food processing factory.
- Sewage management, accumulated water, septic tank, stock farm.
- Pumping sewage form hotels, restaurants, schools and public buildings

Pump

- High-efficiency & anti-clogging enclosed channel impeller
- Flexible installations with hoses, pipes or quick-coupling systems
- Double-end mechanical seal
- Stainless steel shaft
- Liquid temperature: 0 - 40 °C
- Liquid PH value: 4 - 10
- Max. immersion depth: 5 m

Motor

- 60Hz, 2 Pole motor
- Insulation class: F
- Ingress protection : IPX8

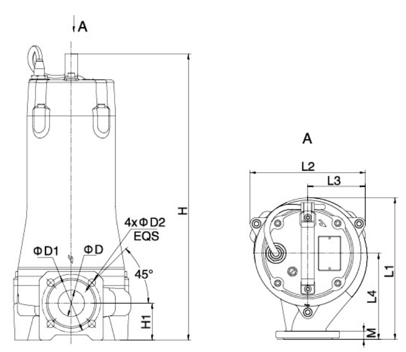
Identification Codes

50 SW E 8 – 16 – 1.1 L

- L — Features
- 1.1 — Rated Power (kW)
- 16 — Rated Head (m)
- 8 — Rated Flow (m^3/h)
- E — Enclosed Channel Impeller
- SW — Submersible Sewage Pump
- 50 — Discharge Diameter (mm)

Technical Data

Model	Discharge mm (inch)	Power		Rated Flow (m^3/h)	Max. Flow (m^3/h)	Rated Head (m)	Max. Head (m)	Max. Solid Dia (mm)
		kW	HP					
50SWE6-12-0.55L	50 (2")	0.55	0.75	6	19	12	15	20
50SWE6-16-0.75L	50 (2")	0.75	1	6	23	16	23	20
50SWE10-10-0.75L	50 (2")	0.75	1	10	20	10	15.5	20
50SWE8-16-1.1L	50 (2")	1.1	1.5	8	24	16	22	15
50SWE8-20-1.5L	50 (2")	1.5	2	8	24.0	20	23.5	15
50SWE15-20-2.2L	50 (2")	2.2	3	15	42	20	26	25



Dimension

<table>
<tr><th>Model</th><th>L1</th><th>L2</th><th>L3</th><th>L4</th><th>H</th><th>H1</th><th>D</th><th>D1</th><th>D2</th><th>M</th></tr>
<tr><td>50SWE6-12-0.55L</td><td rowspan="2">212</td><td rowspan="3">184</td><td rowspan="5">96</td><td rowspan="3">120</td><td rowspan="3">461</td><td rowspan="5">65</td><td rowspan="3">45</td><td rowspan="6">110</td><td rowspan="6">14</td><td rowspan="4">14</td></tr>
<tr><td>50SWE6-16-0.75L</td></tr>
<tr><td>50SWE10-10-0.75L</td><td>210</td></tr>
<tr><td>50SWE8-16-1.1L</td><td>223</td><td rowspan="2">191</td><td rowspan="2">135</td><td>479</td><td rowspan="2">47</td></tr>
<tr><td>50SWE8-20-1.5L</td><td>227</td><td>529</td><td rowspan="2">16</td></tr>
<tr><td>50SWE15-20-2.2L</td><td>268</td><td>221</td><td>112</td><td>163</td><td>530</td><td>70</td><td>50</td></tr>
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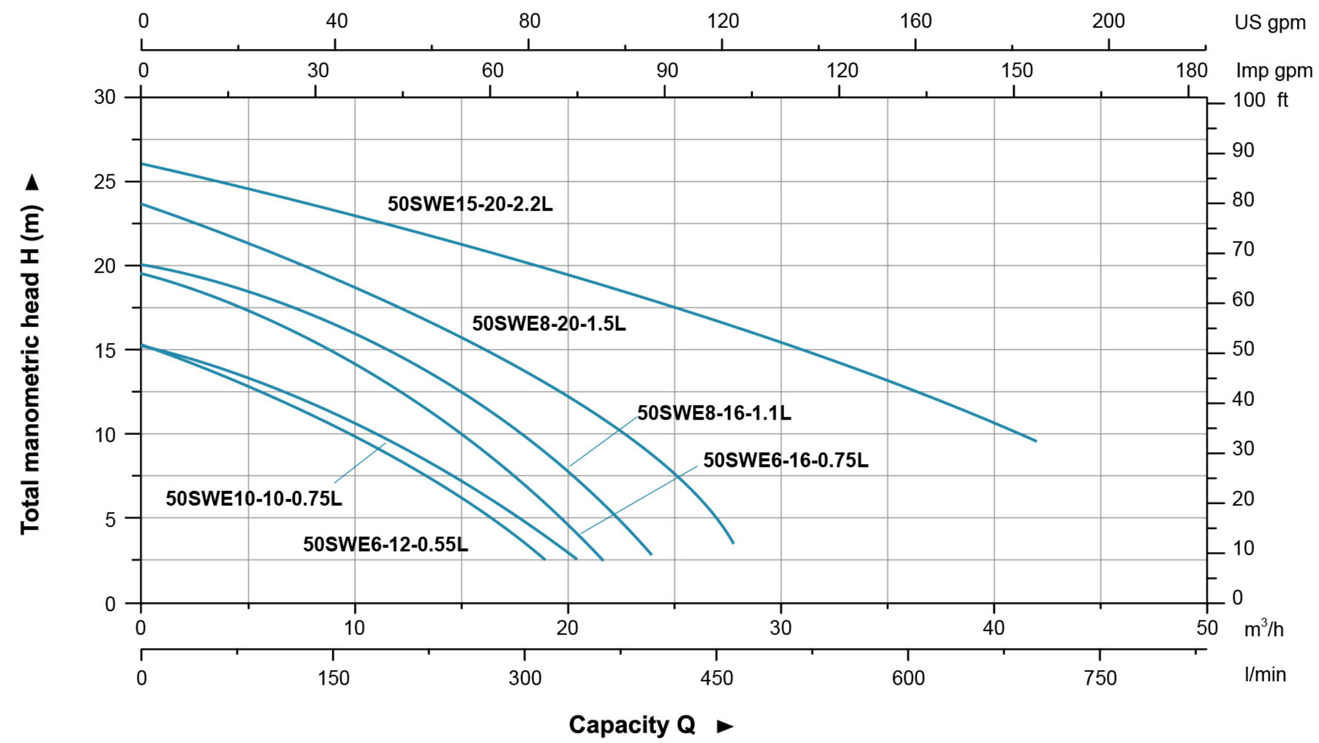
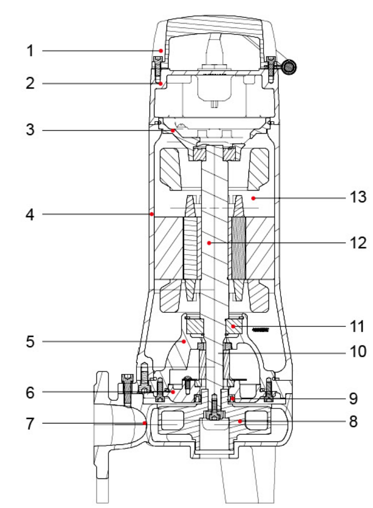
Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Handle	ZG45
2	Upper cover	HT200
3	Upper bearing seat	HT200
4	Motor body	HT200
5	Oil chamber	HT200
6	Pump cover	HT200
7	Pump body	HT200
8	Impeller	HT200
9	Oil seal	
10	Mechanical seal	Upper:Sic/Carbon Lower:Sic/Sic
11	Bearing	
12	Rotor	
13	Stator	



Package Information

Model	GW (kg)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
50SWE6-12-0.55L	24	746	254	286	544
50SWE6-16-0.75L	25.3	746	254	286	544
50SWE10-10-0.75L	25	746	254	286	544
50SWE8-16-1.1L	31.7	749	289	368	354
50SWE8-20-1.5L	38.4	924	284	363	294
50SWE15-20-2.2L	46.3	924	284	363	294

SWE

Submersible Sewage Pump

Impeller

(Hose coupling as standard.
Flange elbow is available on request.)

Applications

- Drainage of wastewater from the attenuation tank, purifying tank and sewage tank in water treatment plant
- Drainage of waste water containing fibrous additives from leather factory and food processing factory.
- Sewage management, accumulated water, septic tank, stock farm.
- Pumping sewage form hotels, restaurants, schools and public buildings

Pump

- High-efficiency & anti-clogging enclosed channel impeller
- Flexible installations with hoses, pipes or quick-coupling systems
- Double-end mechanical seal
- Stainless steel shaft
- Liquid temperature: 0 - 40 °C
- Liquid PH value: 4 - 10
- Max. immersion depth: 5 m

Motor

- 60Hz, 2 Pole motor
- Insulation class: F
- Ingress protection : IPX8

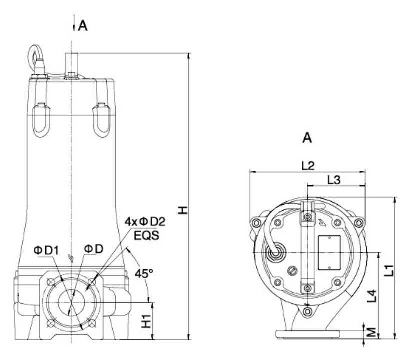
Identification Codes

65 SW E 15 – 10 – 1.1 L

- L — Features
- 1.1 — Rated Power (kW)
- 10 — Rated Head (m)
- 15 — Rated Flow (m^3/h)
- E — Enclosed Channel Impeller
- SW — Submersible Sewage Pump
- 65 — Discharge Diameter (mm)

Technical Data

Model	Discharge mm (inch)	Power		Rated Flow (m^3/h)	Max. Flow (m^3/h)	Rated Head (m)	Max. Head (m)	Max. Solid Dia (mm)
		kW	HP					
65SWE15-10-1.1L	65 (2.5")	1.1	1.5	15	37	10	14	25
65SWE15-15-1.5L	65 (2.5")	1.5	2	15	45	15	20	25
65SWE25-17-2.2L	65 (2.5")	2.2	3	25	54.5	17	24.5	25
65SWE25-22-3L	65 (2.5")	3	4	25	63.4	22	30.5	25
65SWE25-28-4L	65 (2.5")	4	5.5	25	36.4	28	36.5	25



Dimension

<table>
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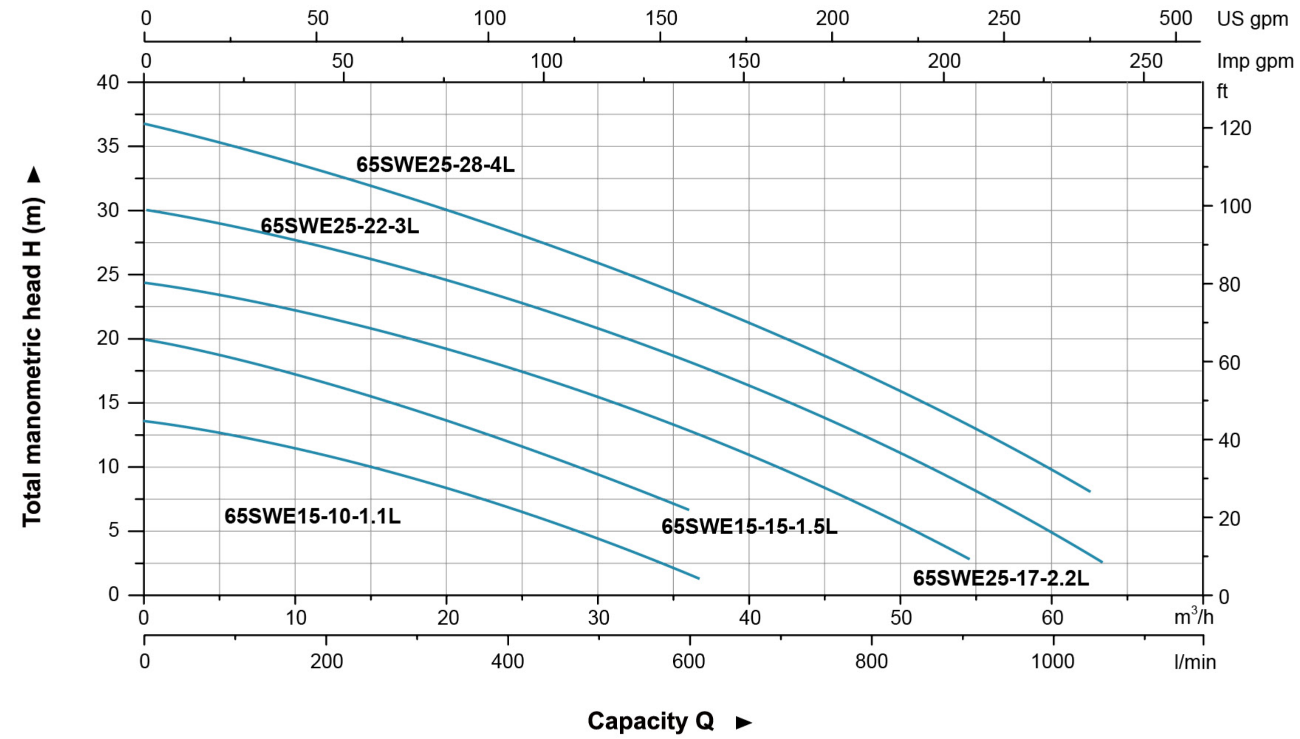
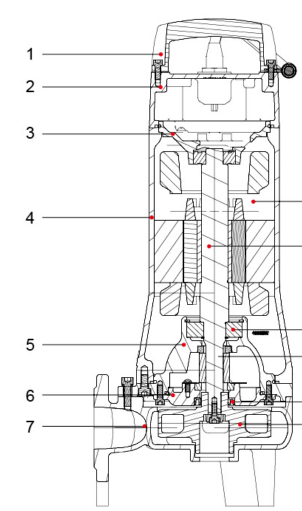
<tr><td>65SWE15-10-1.1L</td><td>288</td><td rowspan="5">225</td><td rowspan="5">117</td><td rowspan="5">178</td><td>490</td><td rowspan="5">77.5</td><td rowspan="5">65</td><td rowspan="5">130</td><td rowspan="5">14</td><td rowspan="5">16</td></tr>
<tr><td>65SWE15-15-1.5L</td><td rowspan="4">289</td><td>540</td></tr>
<tr><td>65SWE25-17-2.2L</td><td>540</td></tr>
<tr><td>65SWE25-22-3L</td><td rowspan="2">571</td></tr>
<tr><td>65SWE25-28-4L</td></tr>
</table>

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Handle	ZG45
2	Upper cover	HT200
3	Upper bearing seat	HT200
4	Motor body	HT200
5	Oil chamber	HT200
6	Pump cover	HT200
7	Pump body	HT200
8	Impeller	HT200
9	Oil seal	
10	Mechanical seal	Upper:Sic/Carbon Lower:Sic/Sic
11	Bearing	
12	Rotor	
13	Stator	



Package Information

Model	GW (kg)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
65SWE15-10-1.1L	35.8	749	289	368	354
65SWE15-15-1.5L	41.9	924	284	363	294
65SWE25-17-2.2L	44.1	924	284	363	294
65SWE25-22-3L	52	874	284	363	316
65SWE25-28-4L	55.1	874	284	363	316

(Hose coupling as standard.
Flange elbow is available on request.)

Applications

- Drainage of wastewater from the attenuation tank, purifying tank and sewage tank in water treatment plant
- Drainage of waste water containing fibrous additives from leather factory and food processing factory.
- Sewage management, accumulated water, septic tank, stock farm.
- Pumping sewage form hotels, restaurants, schools and public buildings

Pump

- High-efficiency & anti-clogging enclosed channel impeller
- Flexible installations with hoses, pipes or quick-coupling systems
- Double-end mechanical seal
- Stainless steel shaft
- Liquid temperature: 0 - 40 °C
- Liquid PH value: 4 - 10
- Max. immersion depth: 5 m

Motor

- 60Hz, 2 Pole motor
- Insulation class: F
- Ingress protection : IPX8

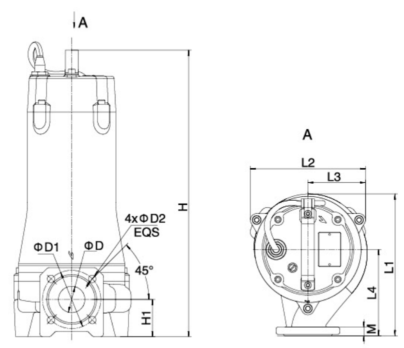
Identification Codes

80 SW E 40 – 9 – 2.2 L

- L: Features
- 2.2: Rated Power (kW)
- 9: Rated Head (m)
- 40: Rated Flow (m^3/h)
- E: Enclosed Channel Impeller
- SW: Submersible Sewage Pump
- 80: Discharge Diameter (mm)

Technical Data

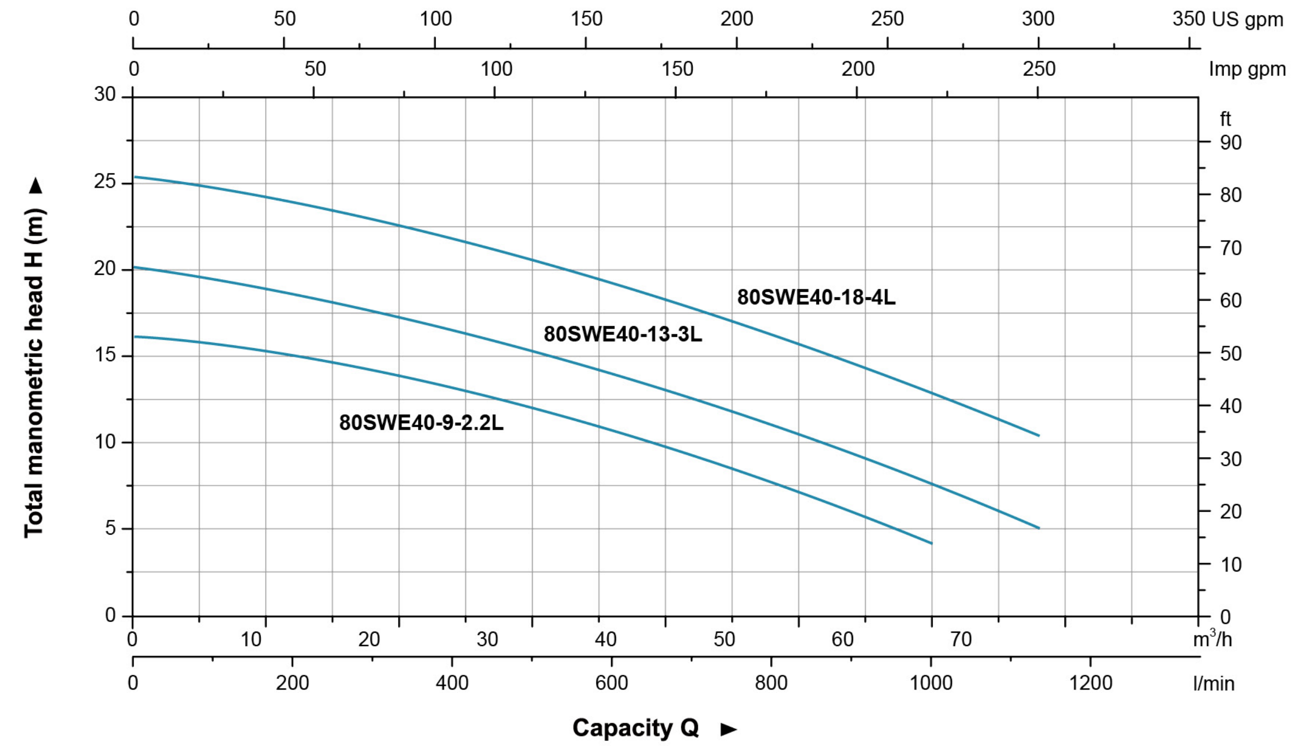
Model	Discharge mm (inch)	Power		Rated Flow (m^3/h)	Max. Flow (m^3/h)	Rated Head (m)	Max. Head (m)	Max. Solid Dia (mm)
		kW	HP					
80SWE40-9-2.2L	80(3")	2.2	3	40	61.5	9	16.5	30
80SWE40-13-3L	80(3")	3	4	40	68	13	21	30
80SWE40-18-4L	80(3")	4	5.5	40	78	18	27	30



Dimension

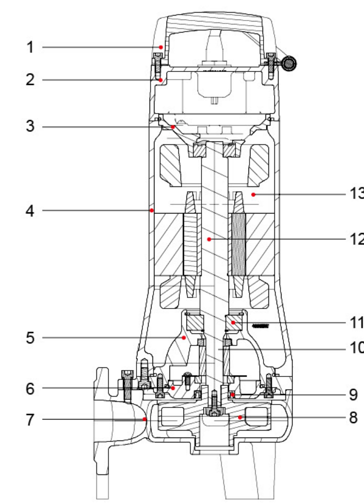
Model	L1	L2	L3	L4	H	H1	D	D1	D2	M
80SWE40-9-2.2L	265	223	112	160	557	86	80	150	18	16
80SWE40-13-3L										
80SWE40-18-4L										

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Handle	ZG45
2	Upper cover	HT200
3	Upper bearing seat	HT200
4	Motor body	HT200
5	Oil chamber	HT200
6	Pump cover	HT200
7	Pump body	HT200
8	Impeller	HT200
9	Oil seal	
10	Mechanical seal	Upper:Sic/Carbon Lower:Sic/Sic
11	Bearing	
12	Rotor	
13	Stator	



Package Information

Model	GW (kg)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
80SWE40-9-2.2L	46.4	924	284	363	294
80SWE40-13-3L	53.8	874	284	363	316
80SWE40-18-4L	56.3	874	284	363	316

Impeller

(Hose coupling as standard.
Flange elbow is available on request.)

Applications

- Drainage of wastewater from the attenuation tank, purifying tank and sewage tank in water treatment plant
- Drainage of waste water containing fibrous additives from leather factory and food processing factory.
- Sewage management, accumulated water, septic tank, stock farm.
- Pumping sewage form hotels, restaurants, schools and public buildings

Pump

- Semi-open vortex impeller, suitable for liquid containing impurities and long fiber substance
- Flexible installations with hoses, pipes or quick-coupling systems
- Double-end mechanical seal
- Stainless steel shaft
- Liquid temperature: 0 - 40 °C
- Liquid PH value: 4 - 10
- Max. immersion depth: 5 m

Motor

- 60Hz, 2 Pole motor
- Insulation class: F
- Ingress protection : IPX8

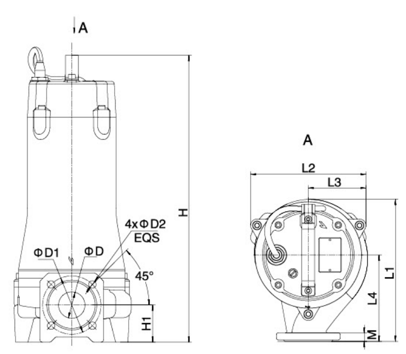
Identification Codes

50 SW U 9 – 6 – 0.55 L

- L — Features
- 0.55 — Rated Power (kW)
- 6 — Rated Head (m)
- 9 — Rated Flow (m^3/h)
- U — Semi-open Vortex Impeller
- SW — Submersible Sewage Pump
- 50 — Discharge Diameter (mm)

Technical Data

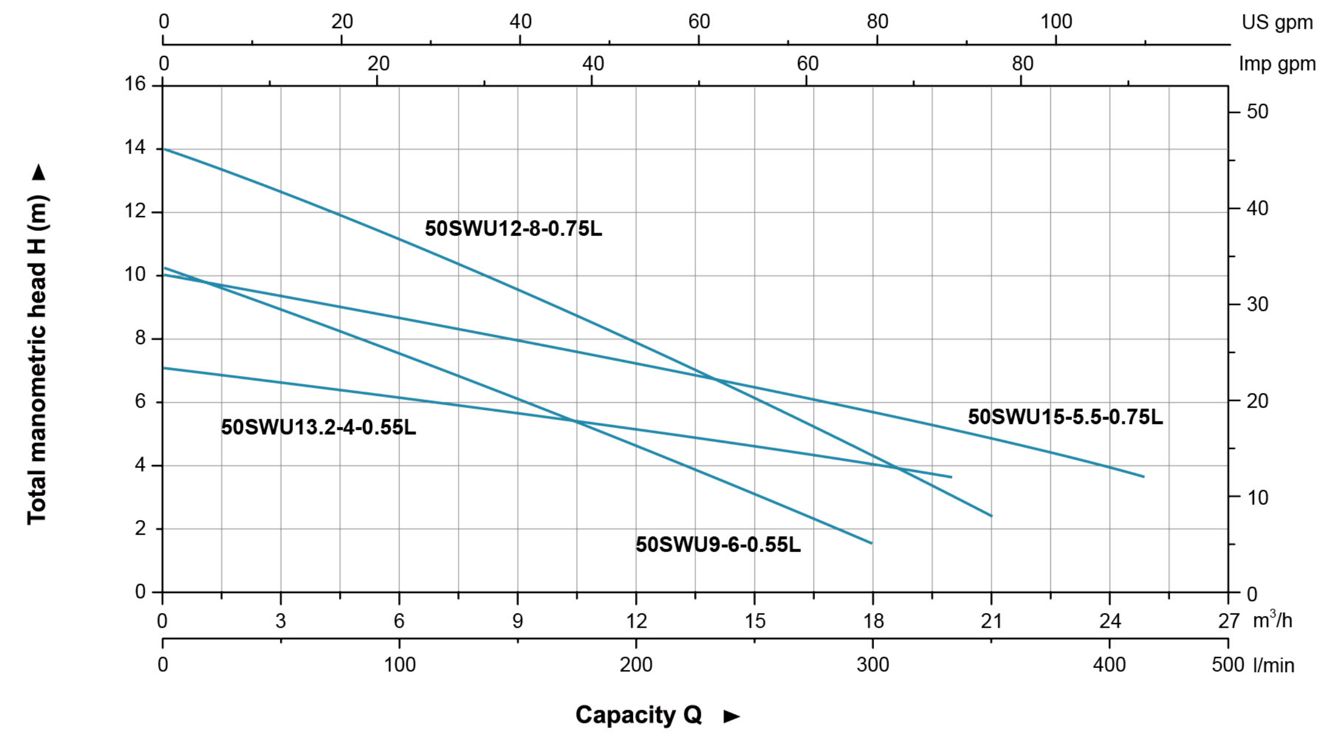
Model	Discharge mm (inch)	Power		Rated Flow (m^3/h)	Max. Flow (m^3/h)	Rated Head (m)	Max. Head (m)	Max. Solid Dia (mm)
		kW	HP					
50SWU9-6-0.55L	50 (2")	0.55	0.75	9	18	6	11	35
50SWU13.2-4-0.55L	50 (2")	0.55	0.75	13.2	20	4	7	50
50SWU12-8-0.75L	50 (2")	0.75	1	12	21	8	14.5	35
50SWU15-5.5-0.75L	50 (2")	0.75	1	15	25	5.5	10	50



Dimension

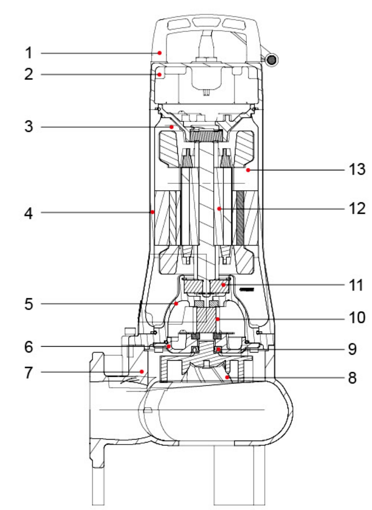
Model	L1	L2	L3	L4	H	H1	D	D1	D2	M
50SWU9-6-0.55L	195	160	80	121	483	64	35	110	14	14
50SWU13.2-4-0.55L	201	166	86		508	79	50			
50SWU12-8-0.75L	195	160	80		483	64	35			
50SWU15-5.5-0.75L	201	166	86		508	79	50			

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Handle	ZG45
2	Upper cover	HT200
3	Upper bearing seat	HT200
4	Motor body	HT200
5	Oil chamber	HT200
6	Pump cover	HT200
7	Pump body	HT200
8	Impeller	HT200
9	Oil seal	
10	Mechanical seal	Upper:Sic/Carbon Lower:Sic/Sic
11	Bearing	
12	Rotor	
13	Stator	



Package Information

Model	GW (kg)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
50SWU9-6-0.55L	23.9	746	254	286	544
50SWU13.2-4-0.55L	24.3	746	254	286	544
50SWU12-8-0.75L	25.2	746	254	286	544
50SWU15-5.5-0.75L	25.6	746	254	286	544

SWU

Submersible Sewage Pump

(Hose coupling as standard.
Flange elbow is available on request.)

Applications

- Drainage of wastewater from the attenuation tank, purifying tank and sewage tank in water treatment plant
- Drainage of waste water containing fibrous additives from leather factory and food processing factory.
- Sewage management, accumulated water, septic tank, stock farm.
- Pumping sewage form hotels, restaurants, schools and public buildings

Pump

- Semi-open vortex impeller, suitable for liquid containing impurities and long fiber substance
- Flexible installations with hoses, pipes or quick-coupling systems
- Double-end mechanical seal
- Stainless steel shaft
- Liquid temperature: 0 - 40 °C
- Liquid PH value: 4 - 10
- Max. immersion depth: 5 m

Motor

- 60Hz, 2 Pole motor
- Insulation class: F
- Ingress protection : IPX8

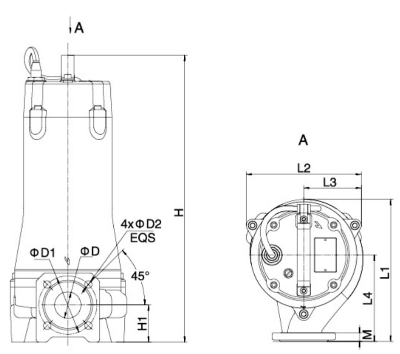
Identification Codes

65 SW U 24–8.5–1.5 L

- L — Features
- 1.5 — Rated Power (kW)
- 8.5 — Rated Head (m)
- 24 — Rated Flow (m^3/h)
- U — Semi-open Vortex Impeller
- SW — Submersible Sewage Pump
- 65 — Discharge Diameter (mm)

Technical Data

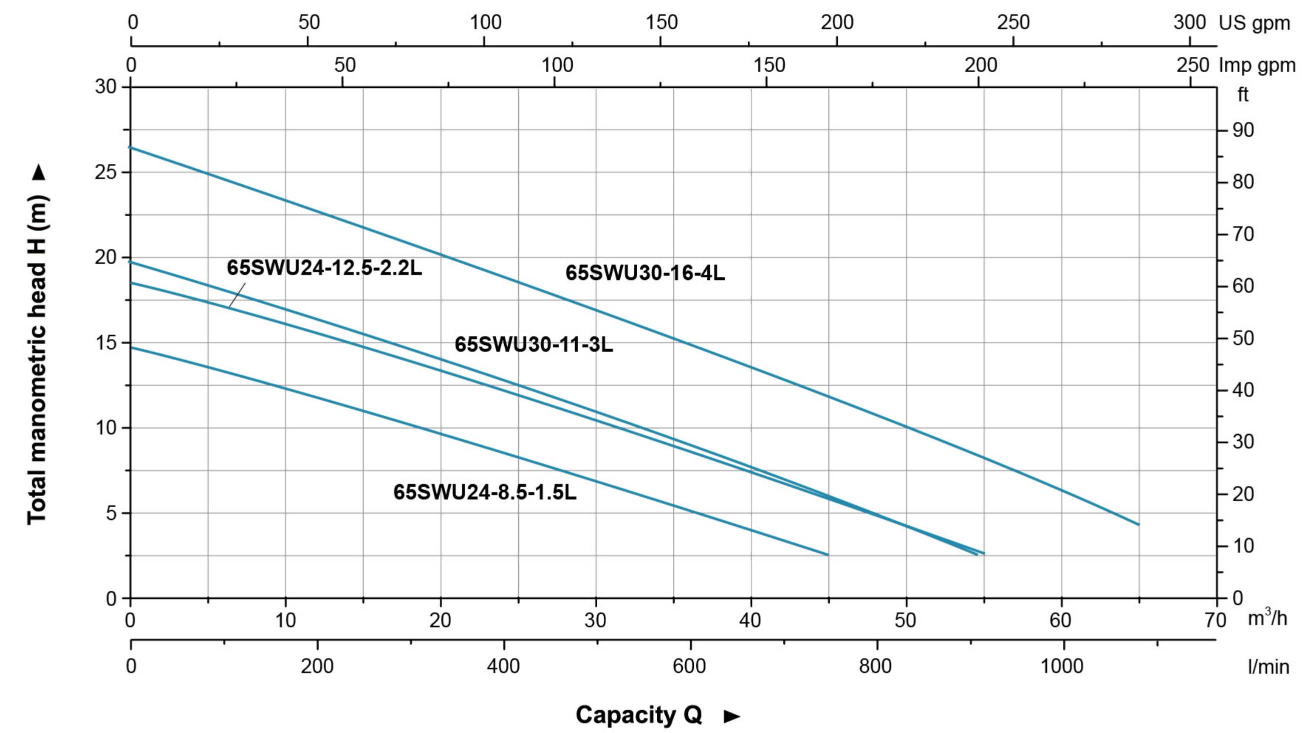
Model	Discharge mm (inch)	Power kW	Power HP	Rated Flow (m^3/h)	Max. Flow (m^3/h)	Rated Head (m)	Max. Head (m)	Max. Solid Dia (mm)
65SWU24-8.5-1.5L	65 (2.5")	1.5	2	24	45	8.5	14.68	55
65SWU24-12.5-2.2L	65 (2.5")	2.2	3	24	55	12.5	18.5	55
65SWU30-11-3L	65 (2.5")	3	4	30	54.5	11	20	55
65SWU30-16-4L	65 (2.5")	4	5.5	30	65	16	27	55



Dimension

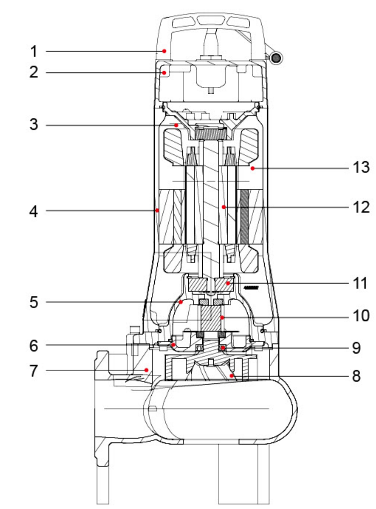
Model	L1	L2	L3	L4	H	H1	D	D1	D2	M
65SWU24-8.5-1.5L	265	218	109	161	590	91	65	130	14	16
65SWU24-12.5-2.2L										
65SWU30-11-3L	266	218	110	167	621	91	65	130	14	16
65SWU30-16-4L										

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Handle	ZG45
2	Upper cover	HT200
3	Upper bearing seat	HT200
4	Motor body	HT200
5	Oil chamber	HT200
6	Pump cover	HT200
7	Pump body	HT200
8	Impeller	HT200
9	Oil seal	
10	Mechanical seal	Upper:Sic/Carbon Lower:Sic/Sic
11	Bearing	
12	Rotor	
13	Stator	



Package Information

Model	GW (kg)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
65SWU24-8.5-1.5L	45.6	924	284	363	294
65SWU24-12.5-2.2L	48.3	924	284	363	294
65SWU30-11-3L	54.5	874	284	363	316
65SWU30-16-4L	56.7	874	284	363	316


Impeller


Cutter


(Flange elbow as standard.)

Applications

- Used In pressure sewage system
- Drainage of wastewater from individual residences, apartment buildings, recreational developments, models
- Transferring wastewater of commercial buildings, industrial plants, wastewater sampling, small hospitals
- Schools, federal, state and local parks, wastewater drainage
- To transfer various wastewater and sewage

Pump

- Semi-open vortex impeller & reliable grinding system
- Flexible installations with hoses, pipes or quick-coupling systems
- Double-end mechanical seal
- Stainless steel shaft
- Liquid temperature: 0 - 40 °C
- Liquid PH value: 4 - 10
- Max. immersion depth: 5 m

Motor

- 60Hz, 2 Pole motor
- Insulation class: F
- Ingress protection : IPX8

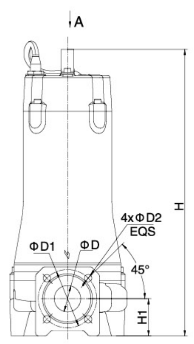
Identification Codes

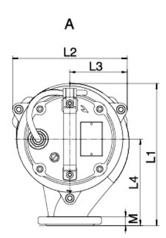
32 SW P 3.6 – 17 – 1.1 L /QG

- /QG — Cutting Blade
- L — Features
- 1.1 — Rated Power (kW)
- 17 — Rated Head (m)
- 3.6 — Rated Flow (m^3/h)
- P — Semi–open Impeller
- SW — Submersible Sewage Pump
- 32 — Discharge Diameter (mm)

Technical Data

Model	Discharge mm (inch)	Power		Rated Flow (m^3/h)	Max. Flow (m^3/h)	Rated Head (m)	Max. Head (m)	Max. Solid Dia (mm)
		kW	HP					
32SWP3.6-17-1.1L/QG	32(1¼")	1.1	1.5	3.6	14.5	17	18.5	-
32SWP3.6-23-1.5L/QG	32(1¼")	1.5	2	3.6	16	23	25	-
32SWP3.6-30-2.2L/QG	32(1¼")	2.2	3	3.6	19	30	31	-

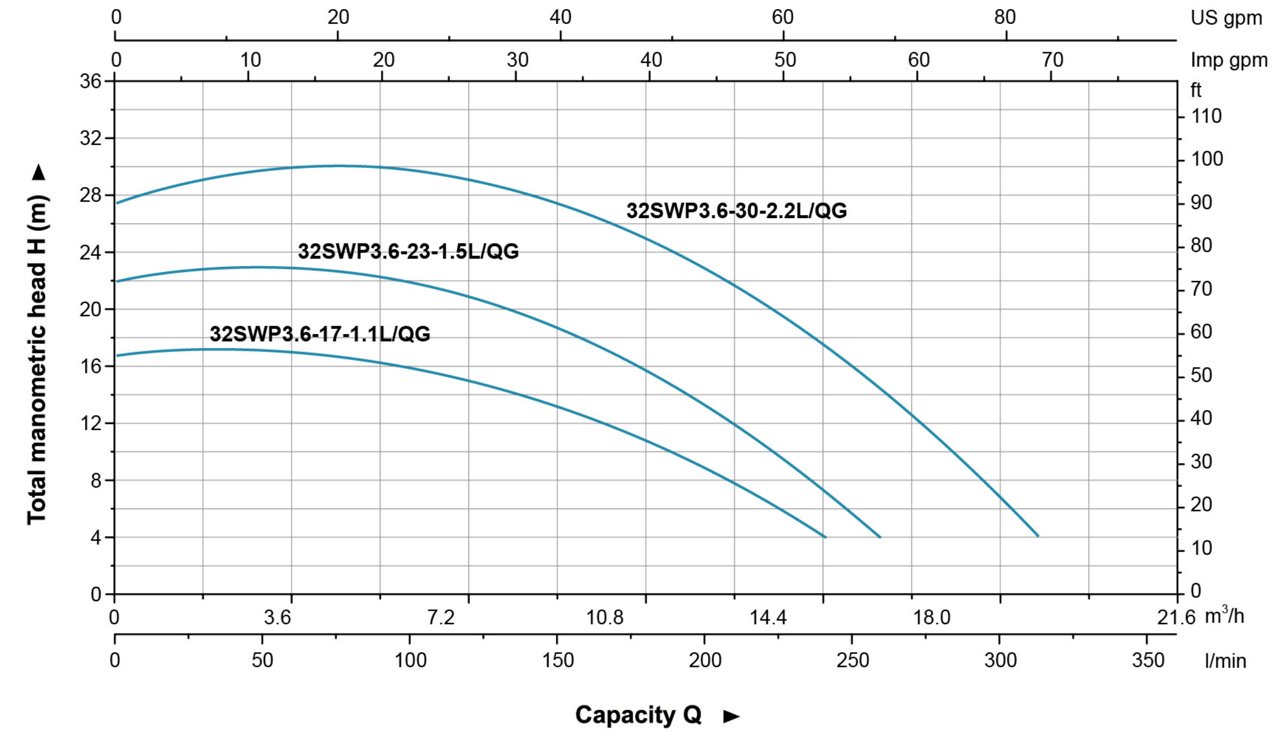




Dimension

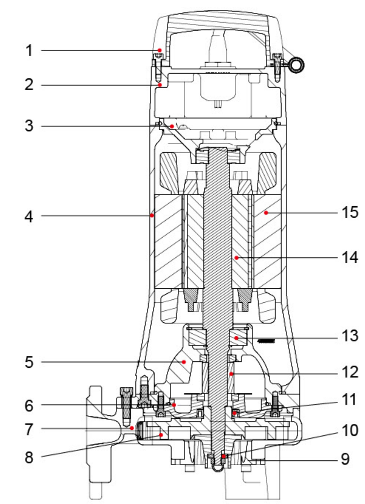
Model	L1	L2	L3	L4	H	H1	D	D1	D2	M
32SWP3.6-17-1.1L/QG	230	191	96	140	473	73	32	90	14	16
32SWP3.6-23-1.5L/QG					523					
32SWP3.6-30-2.2L/QG					523					

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Handle	ZG45
2	Upper cover	HT200
3	Upper bearing seat	HT200
4	Motor body	HT200
5	Oil chamber	HT200
6	Pump cover	HT200
7	Pump body	HT200
8	Impeller	HT200
9	Cutting ring	108Cr17
10	Radial cutter	108Cr17
11	Oil seal	
12	Mechanical seal	Upper:Sic/Carbon Lower:Sic/Sic
13	Bearing	
14	Rotor	
15	Stator	



Package Information

Model	GW (kg)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
32SWP3.6-17-1.1L/QG	32.1	749	289	368	354
32SWP3.6-23-1.5L/QG	38.4	924	284	363	294
32SWP3.6-30-2.2L/QG	41.6	924	284	363	294

Impeller Cutter

(Flange elbow as standard.
Hose coupling is available on request.)

Applications

- Used In pressure sewage system
- Drainage of wastewater from individual residences, apartment buildings, recreational developments, models
- Transferring wastewater of commercial buildings, industrial plants, wastewater sampling, small hospitals
- Schools, federal, state and local parks, wastewater drainage
- To transfer various wastewater and sewage

Pump

- Semi-open vortex impeller & reliable grinding system
- Flexible installations with hoses, pipes or quick-coupling systems
- Double-end mechanical seal
- Stainless steel shaft
- Liquid temperature: 0 - 40 °C
- Liquid PH value: 4 - 10
- Max. immersion depth: 5 m

Motor

- 60Hz, 2 Pole motor
- Insulation class: F
- Ingress protection : IPX8

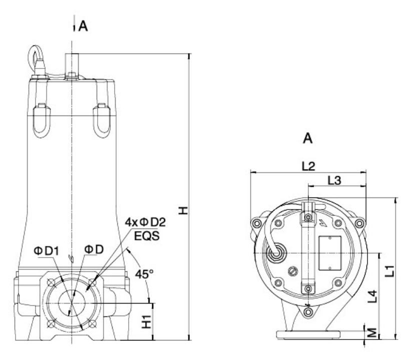
Identification Codes

50 SW P 12 – 19 – 2.2 L /QG

- /QG — Cutting Blade
- L — Features
- 2.2 — Rated Power (kW)
- 19 — Rated Head (m)
- 12 — Rated Flow (m^3/h)
- P — Semi–open Impeller
- SW — Submersible Sewage Pump
- 50 — Discharge Diameter (mm)

Technical Data

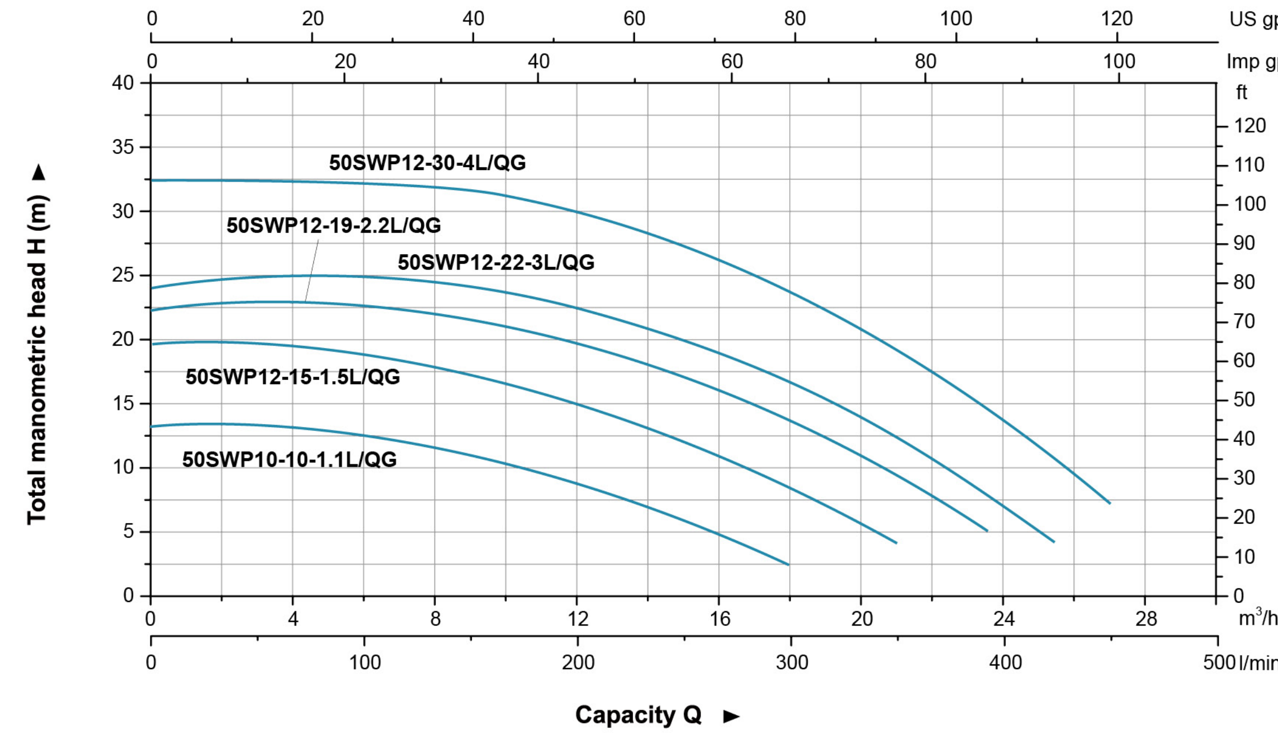
Model	Discharge mm (inch)	Power		Rated Flow (m^3/h)	Max. Flow (m^3/h)	Rated Head (m)	Max. Head (m)	Max. Solid Dia (mm)
		kW	HP					
50SWP10-10-1.1L/QG	50 (2")	1.1	1.5	10	18.5	10	15.5	-
50SWP12-15-1.5L/QG	50 (2")	1.5	2	12	21	15	20.5	-
50SWP12-19-2.2L/QG	50 (2")	2.2	3	12	23.5	19	23.5	-
50SWP12-22-3L/QG	50 (2")	3	4	12	25.5	22	26.5	-
50SWP12-30-4L/QG	50 (2")	4	5.5	12	27	30	33.5	-



Dimension

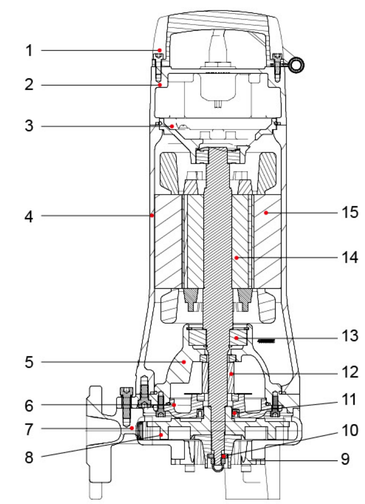
<table>
<tr><th>Model</th><th>L1</th><th>L2</th><th>L3</th><th>L4</th><th>H</th><th>H1</th><th>D</th><th>D1</th><th>D2</th><th>M</th></tr>
<tr><td>50SWP10-10-1.1L/QG</td><td rowspan="2">245.5</td><td rowspan="5">217</td><td rowspan="5">109</td><td rowspan="5">145</td><td>472.5</td><td rowspan="5">73</td><td rowspan="5">40</td><td rowspan="5">100</td><td rowspan="5">14</td><td rowspan="5">16</td></tr>
<tr><td>50SWP12-15-1.5L/QG</td><td rowspan="2">523</td></tr>
<tr><td>50SWP12-19-2.2L/QG</td><td rowspan="3">246</td></tr>
<tr><td>50SWP12-22-3L/QG</td><td rowspan="2">554</td></tr>
<tr><td>50SWP12-30-4L/QG</td></tr>
</table>

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Handle	ZG45
2	Upper cover	HT200
3	Upper bearing seat	HT200
4	Motor body	HT200
5	Oil chamber	HT200
6	Pump cover	HT200
7	Pump body	HT200
8	Impeller	HT200
9	Cutting ring	108Cr17
10	Radial cutter	108Cr17
11	Oil seal	
12	Mechanical seal	Upper:Sic/Carbon Lower:Sic/Sic
13	Bearing	
14	Rotor	
15	Stator	

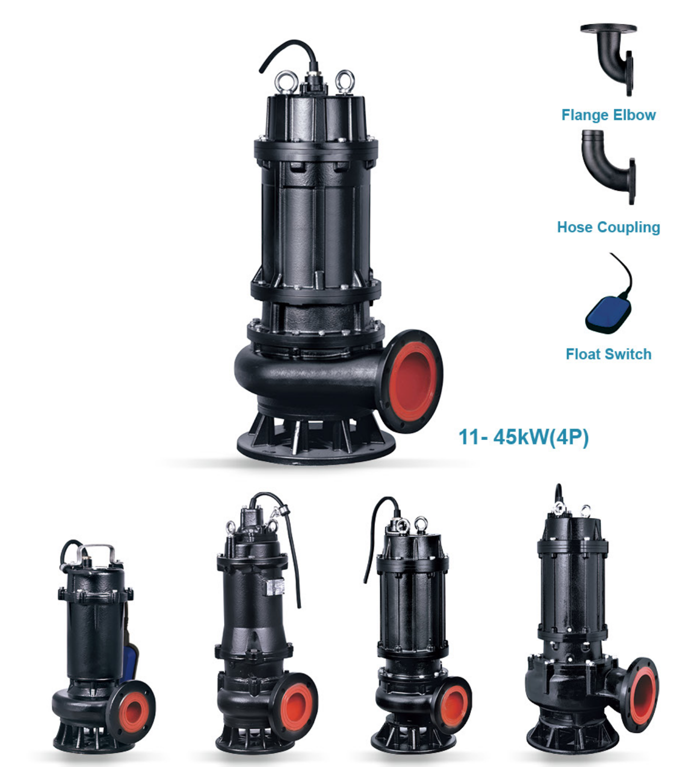


Package Information

Model	GW (kg)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
50SWP10-10-1.1L/QG	39.7	749	289	368	354
50SWP12-15-1.5L/QG	46.8	924	284	363	294
50SWP12-19-2.2L/QG	45.2	924	284	363	294
50SWP12-22-3L/QG	51.5	874	284	363	316
50SWP12-30-4L/QG	53.9	874	284	363	316

SWP

WQ
Submersible Sewage Pump



0.75-1.5kW(2P) 2.2-5.5kW(2P) 7.5kW(2P) 5.5-7.5kW(4P)

(Hose coupling as standard. Flange elbow is available on request. Float switch is available on request.)

Application

- Wastewater drainage in factories, construction sites and commercial faciities
- Drainage system in municipal sewage treatment plants
- Drainage station in residential quarters
- Municipal projects
- Methane pools and field irrigation in countryside

Pump

- Max. immersion depth: 10m (0.75-5.5kw-2P), 20m (7.5kw-2P/5.5-45kw-4P)
- Cable length: 8 m
- Max. liquid temperature: up to +40℃
- Liquid PH value: 6 - 10
- Max.liquid density: $1.3x10^3$ kg/m^3
- Allowed by the particle diameter: 20 - 80 mm
- Float switch: single phase

Motor

- Copper winding
- Insulation class: B (0.75-5.5kw-2P), F (7.5kw-2P/5.5-45kw-4P)
- Protection class: IP68
- Motor protection: built in (0.75-7.5kw-2P, 5.5-7.5kw-4P)

Identification Codes

65 WQ D 15-10-1.1(F)

- (F) — Automatic Operation With Float Switch(Power≤1.5kw)
- 1.1 — Rated Power (kW)
- 10 — Rated Head (m)
- 15 — Rated Flow (m^3/h)
- D — Single Phase (Three phase without D)
- WQ — Submersible Sewage Pump
- 65 — Outlet Diameter (mm)

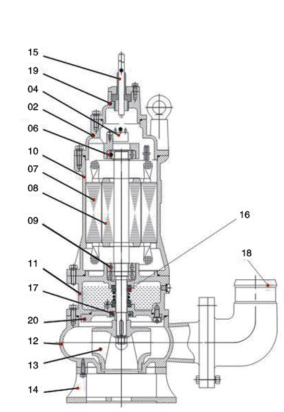
Technical Data

Model	Motor Power	Speed	Max. Flow	Max. Head	Motor Power		Discharge	Guide Rial Fitting	Max. Solid Dia	N.W	G.W	Packing Dimension
	V	r.p.m	m^3/h	m	kW	HP	in		mm	kg	kg	mm
50WQ10-10-0.75	380	3450	26	12	0.75	1	2	50-50	25	18.5	20	490x255x240
50WQD10-10-0.75(F)	220	3450	26	12	0.75	1	2	50-50	25	19.5	21	490x255x240
50WQ8-16-1.1	380	3450	29	18	1.1	1.5	2	50-50	20	24	25.5	490x255x240
50WQD8-16-1.1(F)	220	3450	29	18	1.1	1.5	2	50-50	20	25.5	27	490x255x240
65WQ15-10-1.1	380	3450	33	15	1.1	1.5	2 1/2	50-50	25	23	24.5	490x255x240
65WQD15-10-1.1(F)	220	3450	33	15	1.1	1.5	2 1/2	50-50	25	23.5	25	490x255x240
50WQ8-20-1.5	380	3450	25	22	1.5	2	2	50-50	20	25	25	520x260x240
50WQD8-20-1.5(F)	220	3450	25	22	1.5	2	2	50-50	20	26	28	520x260x240
65WQ15-15-1.5	380	3450	37	20	1.5	2	2 1/2	50-50	25	26.5	28	510x255x240
65WQD15-15-1.5(F)	380	3450	37	20	1.5	2	2 1/2	50-50	25	26.5	28	510x255x240
50WQ15-20-2.2	380	3450	40	22	2.2	3	2	50-50	20	44	48	690x260x315
65WQ25-17-2.2	380	3450	42	22	2.2	3	2 1/2	65-65	20	42	46	690x260x315
80WQ40-9-2.2	380	3450	64	16	2.2	3	3	80-80	30	46	51.5	710x260x315
50WQ15-26-3	380	3450	46	28	3	4	2	50-50	20	49	54	710x260x315
65WQ25-22-3	380	3450	52	29	3	4	2 1/2	65-65	20	52	57	710x260x315
80WQ40-13-3	380	3450	75	20	3	4	3	80-80	30	54	60	750x240x325
100WQ60-9-3	380	3450	92	19	3	4	4	100-100	30	57	63	750x240x325
65WQ25-27-4	380	3450	58	33	4	5.5	2 1/2	65-65	20	61	69	780x260x325
80WQ40-18-4	380	3450	81	24	4	5.5	3	80-80	30	64	71.2	800x260x325
100WQ60-13-4	380	3450	93	24	4	5.5	4	100-100	30	65	73	800x260x325
50WQ15-38-5.5	380	3450	52	42	5.5	7.5	2	50-50	20	73	81	790x290x355
80WQ30-30-5.5	380	3450	47	36	5.5	7.5	3	80-80	30	73	83	800x290x335
100WQ65-15-5.5	380	3450	110	25	5.5	7.5	4	100-100	30	79	89	810x300x375
50WQ20-45-7.5	380	3450	37	52	7.5	10	2	50-50	25	114	127.5	934x364x435

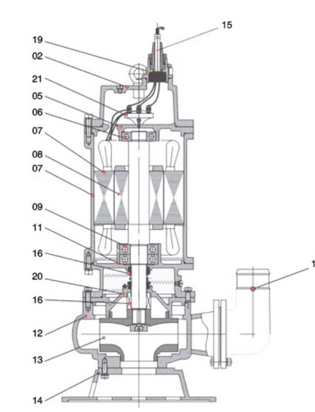
Model	Motor Power	Speed	Max. Flow	Max. Head	Motor Power		Discharge	Guide Rial Fitting	Max. Solid Dia	N.W	G.W	Packing dimension
	V	r.p.m	m^3/h	m	kW	HP	in		mm	kg	kg	mm
80WQ30-35-7.5	380	3450	80	40	7.5	10	3	80-80	30	112	126	934x364x435
100WQ65-19-7.5	380	3450	110	34	7.5	10	4	100-100	35	115	129.5	964x364x435
150WQ100-10-7.5	380	3450	160	20	7.5	10	6	150-150	35	115	130	1014x384x455
100WQ65-15-5.5(4P)	380	1750	150	19	5.5	7.5	4	100-100	50	142	158	905x415x555
150WQ110-10-5.5(4P)	380	1750	200	26	5.5	7.5	6	150-150	55	151	167.5	935x445x585
100WQ100-15-7.5(4P)	380	1750	170	24	7.5	10	4	100-100	50	158	175	955x415x555
150WQ150-10-7.5(4P)	380	1750	240	16	7.5	10	6	150-150	75	169	186	985x445x858
200WQ250-6-7.5(4P)	380	1750	400	12	7.5	10	8	200-200	75	200	218	730x490x1115
100WQ100-22-11(4P)	380	1750	190	28	11	15	4	100-100	50	253	271	700x470x1100
150WQ150-15-11(4P)	380	1750	260	24	11	15	6	150-150	60	256	274	700x470x1130
200WQ300-9-11(4P)	380	1750	475	17	11	15	8	200-200	70	280	298	700x500x1170
100WQ100-27-15(4P)	380	1750	210	35	15	20	4	100-100	50	275	293	700x470x1150
150WQ150-20-15(4P)	380	1750	290	29	15	20	6	150-150	60	277	295	700x470x1170
200WQ300-12-15(4P)	380	1750	490	21	15	20	8	200-200	70	302	320	700x500x1220
100WQ100-31-18.5(4P)	380	1750	200	38	18.5	25	4	100-100	50	326	344.5	700x480x1240
150WQ150-24-18.5(4P)	380	1750	300	32	18.5	25	6	150-150	60	327	346	700x480x1240
200WQ300-15-18.5(4P)	380	1750	530	25	18.5	25	8	200-200	70	354	373	720x510x1280
100WQ100-36-22(4P)	380	1750	220	44	22	30	4	100-100	50	346	366.5	700x480x1240
150WQ150-28-22(4P)	380	1750	330	39	22	30	6	150-150	60	347	367	700x480x1240
200WQ300-18-22(4P)	380	1750	550	27	22	30	8	200-200	70	374	395	720x510x1280
250WQ500-11-22(4P)	380	1750	800	22	22	30	10	250-250	85	390	411	720x600x1350
150WQ150-34-30(4P)	380	1750	310	45	30	40	6	150-150	55	497	519	780x600x1430
200WQ300-21-30(4P)	380	1750	570	33	30	40	8	200-200	80	519	541	820x620x1470
250WQ500-14-30(4P)	380	1750	860	27	30	40	10	250-250	85	512	535	780x650x1490
300WQ800-8-30(4P)	380	1750	1040	22	30	40	12	300-300	90	557	581	860x720x1540
150WQ150-40-37(4P)	380	1750	330	50	37	50	6	150-150	55	557	579	780x600x1480
200WQ300-25-37(4P)	380	1750	620	39	37	50	8	200-200	80	576	598	820x620x1520
250WQ500-18-37(4P)	380	1750	930	30	37	50	10	250-250	85	570	593	780x650x1540
300WQ800-11-37(4P)	380	1750	1060	25	37	50	12	300-300	90	614	638	860x720x1590
200WQ300-30-45(4P)	380	1750	660	43	45	60	8	200-200	80	612	634	820x620x1520
250WQ500-21-45(4P)	380	1750	950	34	45	60	10	250-250	85	606	629	780x650x1540
300WQ800-14-45(4P)	380	1750	1080	28	45	60	12	300-300	90	650	674	860x720x1590

Materials Table

Item No.	Part Name	Material
01	Handle	Steel
02	Upper cover	Cast iron
03	Capacitor	
04	Thermal protector	
05	Upper bearing seat	Cast iron
06	Bearing	
07	Stator	
08	Rotor	
09	Bearing	
10	Motor body	Cast iron
11	Bearing seat	Cast iron
12	Pump body	Cast iron
13	Impeller	Cast iron
14	Base	Cast iron
15	Cable	
16	Mechanical seal	Sic-Sic/Carbon-Ceramic(<7.5 kW) Sic-Sic/Sic-Sic(>7.5 KW)
17	Oil seal	
18	Hose coupling	Cast iron
19	Terminal box	Cast iron
20	Seal bracket	Cast iron
21	Wiring terminal	



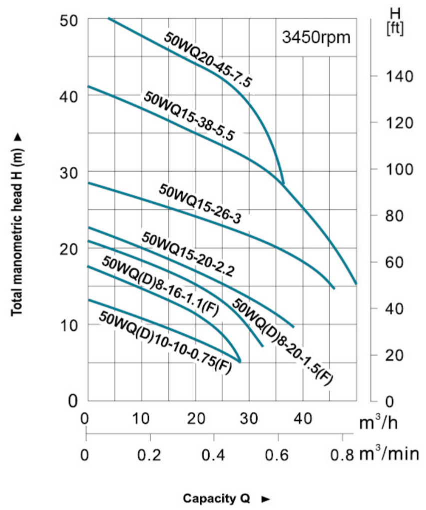
WQ(D) 0.75 - 7.5 kW

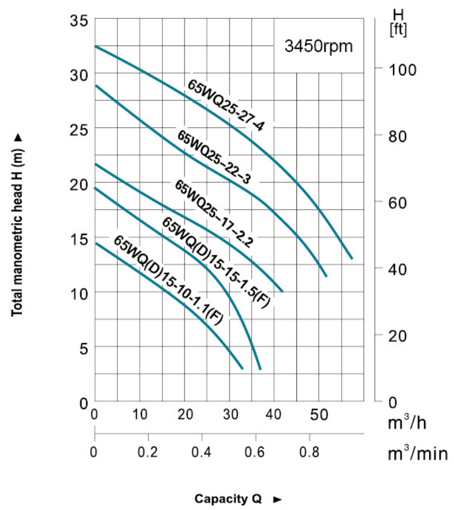


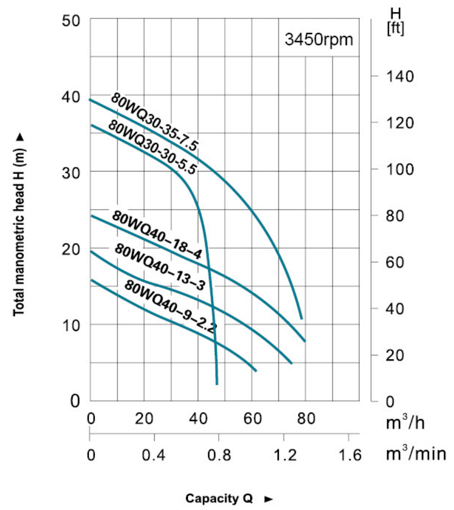
WQ 11 - 45 kW

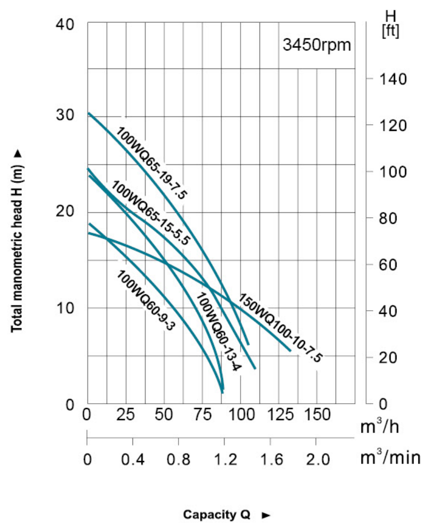
WQ

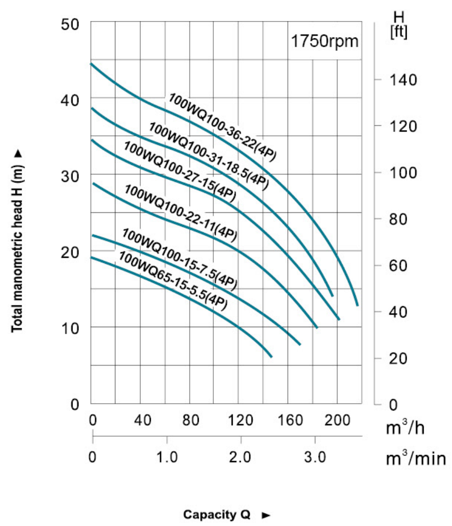
Hydraulic Performance Curves

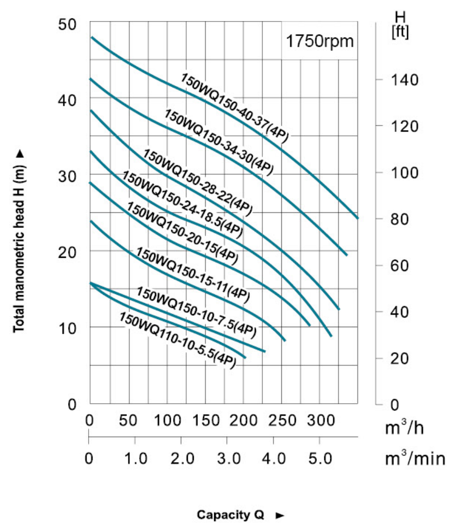


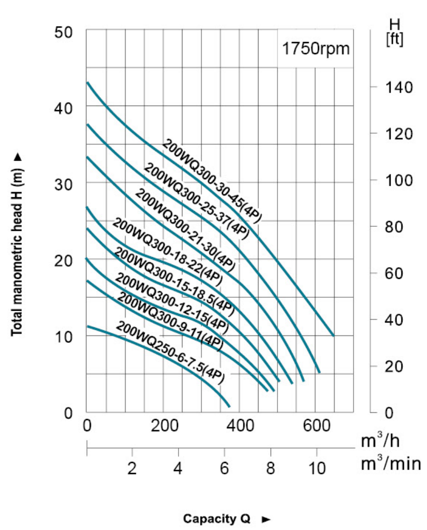


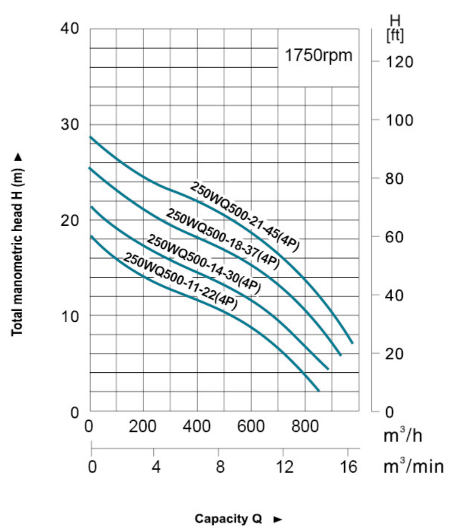


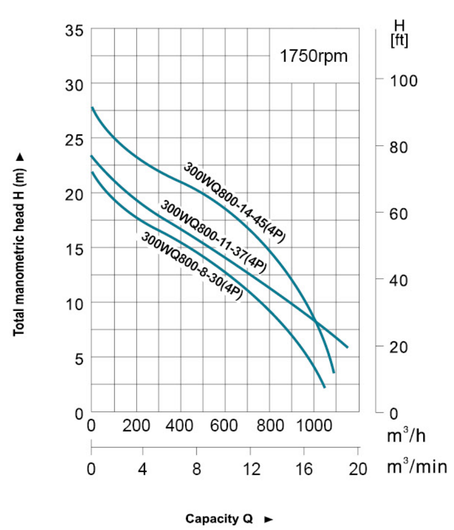




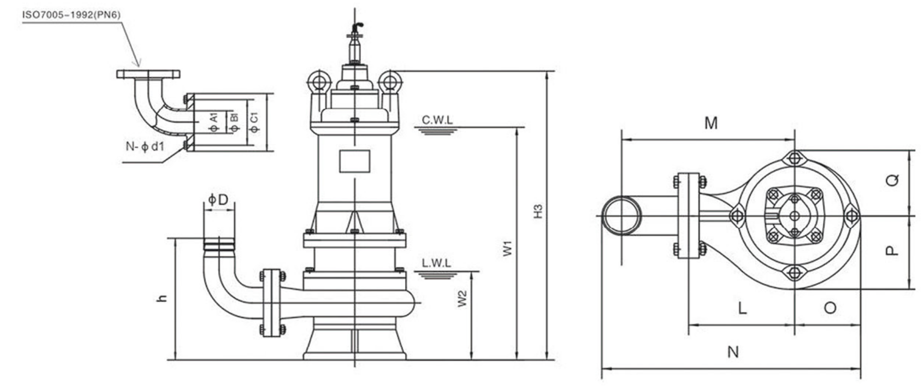






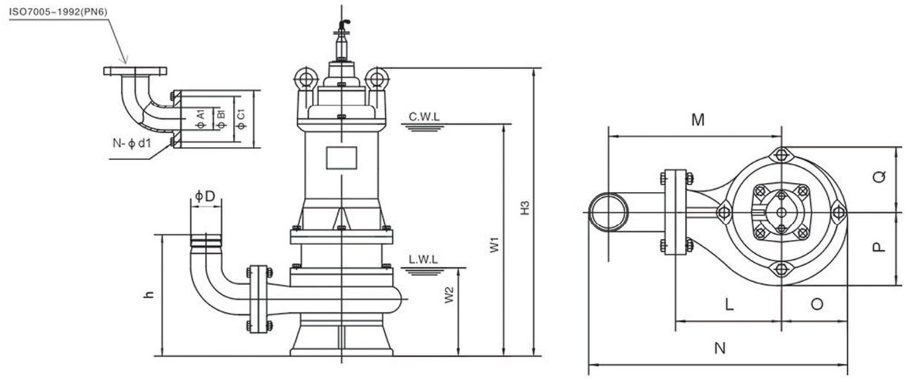


Dimension



Model	ΦD	ΦA1	ΦB1	ΦC1	n-Φd1	h	W1	W2	H3	N	O	P	Q	L	M
50WQ10-10-0.75	50	50	110	140	4-Φ14	200	300	120	445	332	90	96	85	128	192
50WQD10-10-0.75(F)	50	50	110	140	4-Φ14	200	315	120	445	332	90	96	85	128	192
50WQ8-16-1.1	50	50	110	140	4-Φ14	195	325	120	460	347	90	96	85	128	192
50WQD8-16-1.1(F)	50	50	110	140	4-Φ14	195	325	120	460	347	90	96	85	128	192
65WQ15-10-1.1	65	50	110	140	4-Φ14	195	345	120	460	347	90	96	85	128	192
65WQD15-10-1.1(F)	65	50	110	140	4-Φ14	195	345	120	460	347	90	96	85	128	192
50WQ8-20-1.5	50	50	110	140	4-Φ14	202	370	165	480	340	90	105	82	145	210
50WQD8-20-1.5(F)	50	50	110	140	4-Φ14	202	390	165	500	340	90	105	82	145	210
65WQ15-15-1.5	65	50	110	140	4-Φ14	195	345	120	480	347	90	96	85	128	192
65WQD15-15-1.5(F)	65	50	110	140	4-Φ14	195	345	120	480	347	90	96	85	128	192
50WQ15-20-2.2	50	50	110	140	4-Φ14	210	410	145	575	357	107	113	100	164	228
65WQ25-17-2.2	65	65	130	160	4-Φ14	225	410	145	575	383	107	113	100	164	234
80WQ40-9-2.2	80	65	150	190	4-Φ14	255	415	150	580	392	105	111	93	160	250
50WQ15-26-3	50	50	110	140	4-Φ14	210	425	145	610	357	107	113	100	164	228
65WQ25-22-3	65	65	130	160	4-Φ14	225	425	145	610	383	107	113	100	164	234
80WQ40-13-3	80	80	150	190	4-Φ18	270	450	170	630	387	107	115	100	153	243
100WQ60-9-3	100	80	170	210	4-Φ18	295	450	170	630	410	107	115	100	153	253
65WQ25-28-4	65	65	130	160	4-Φ14	240	455	160	650	406	111	116	106	179	249
80WQ40-18-4	80	80	150	190	4-Φ18	280	480	185	675	407	105	110	100	165	255
100WQ60-13-4	100	80	170	210	4-Φ18	305	480	185	675	430	105	110	100	165	265
50WQ15-40-5.5	50	50	110	140	4-Φ14	235	475	160	675	386	125	130	112	175	239
80WQ30-30-5.5	80	80	150	190	4-Φ18	275	495	175	690	427	115	120	110	175	265
100WQ65-15-5.5	100	100	170	210	4-Φ18	285	505	190	705	462	131	140	115	181	281
50WQ20-45-7.5	50	50	110	140	4-Φ12	265	540	210	4760	449	140	146	134	200	264
80WQ30-35-7.5	80	80	150	190	4-Φ18	305	540	210	760	490	140	146	134	200	290
100WQ65-22-7.5	100	100	170	210	4-Φ18	345	560	230	780	513	145	154	135	200	300
150WQ100-10-7.5	150	150	225	265	8-Φ18	405	575	245	795	598	145	160	135	210	360

Dimension



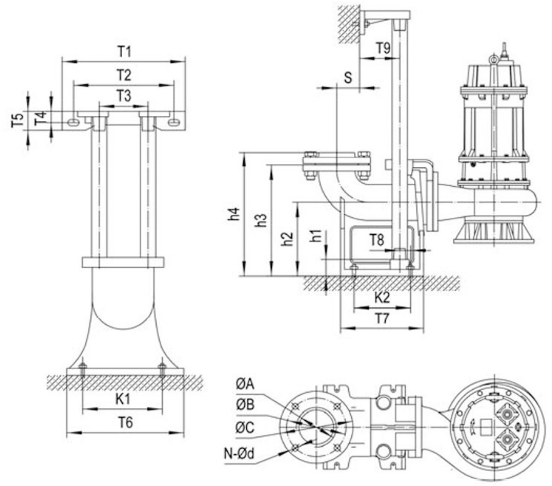
Model	ΦD	ΦA1	ΦB1	ΦC1	n-Φd1	h	W1	W2	H3	N	O	P	Q	L	M
100WQ65-15-5.5(4P)	100	100	170	210	4-Φ18	360	585	255	805	620	190	202	177	280	380
150WQ110-10-5.5(4P)	150	150	225	265	8-Φ18	430	615	285	835	725	200	215	185	300	450
100WQ100-15-7.5(4P)	100	100	170	210	4-Φ18	360	630	255	850	620	190	202	177	280	380
150WQ150-10-7.5(4P)	150	150	225	265	8-Φ18	430	660	285	880	725	200	215	185	300	450
200WQ250-6-7.5(4P)	200	200	295	340	8-Φ22	540	695	320	915	880	230	256	192	350	550
100WQ100-22-11(4P)	100	100	170	210	4-Φ18	355	650	255	910	671	206	217	193	310	410
150WQ150-15-11(4P)	150	150	225	265	8-Φ18	440	680	285	940	756	208	225	188	320	470
200WQ300-9-11(4P)	200	200	295	340	8-Φ22	545	720	325	980	866	226	253	191	340	540
100WQ100-27-15(4P)	100	100	170	210	4-Φ18	355	695	255	955	671	206	217	193	310	410
150WQ150-20-15(4P)	150	150	225	265	8-Φ18	440	725	285	985	756	208	225	188	320	470
200WQ300-12-15(4P)	200	200	295	340	8-Φ22	545	765	325	1025	866	226	253	191	340	540
100WQ100-31-18.5(4P)	100	100	170	210	4-Φ18	355	715	185	1010	693	218	227	206	325	425
150WQ150-24-18.5(4P)	150	150	225	265	8-Φ18	415	740	290	1035	781	221	235	206	335	485
200WQ300-15-18.5(4P)	200	200	295	340	8-Φ22	545	785	330	1080	883	233	260	203	350	550
100WQ100-36-22(4P)	100	100	170	210	4-Φ18	355	735	265	1030	693	218	227	206	325	425
150WQ150-28-22(4P)	150	150	225	265	8-Φ18	415	760	290	1055	781	221	235	206	335	485
200WQ300-18-22(4P)	200	200	295	340	8-Φ22	545	805	330	1100	883	233	260	203	350	550
250WQ500-11-22(4P)	250	250	350	395	12-Φ22	635	860	400	1160	1150	280	313	270	400	673
150WQ150-34-30(4P)	150	150	240	285	8-Φ22	475	855	340	1200	997	272	283	270	380	582
200WQ300-21-30(4P)	200	200	295	340	8-Φ22	580	895	380	1240	1078	286	308	270	390	622
250WQ500-14-30(4P)	250	250	350	395	12-Φ22	-	920	400	1265	1181	300	332	270	410	683
300WQ800-8-30(4P)	300	300	400	445	12-Φ22	-	970	450	1315	1365	340	386	290	480	803
150WQ150-40-37(4P)	150	150	240	285	8-Φ22	463	850	340	1255	997	272	283	270	380	582
200WQ300-25-37(4P)	200	200	295	340	8-Φ22	593	890	380	1295	1078	286	308	270	390	622
250WQ500-18-37(4P)	250	250	350	395	12-Φ22	665	910	400	1315	1181	300	332	270	410	683
300WQ800-11-37(4P)	300	300	400	445	12-Φ22	750	860	450	1365	1365	340	386	290	480	803
200WQ300-30-45(4P)	200	200	295	340	8-Φ22	560	930	380	1295	1078	286	308	270	390	622
250WQ500-21-45(4P)	250	250	350	395	12-Φ22	665	950	400	1315	1181	300	332	270	410	683
300WQ800-14-45(4P)	300	300	400	445	12-Φ22	750	1000	450	1365	1365	340	386	290	480	803

Guide Rail System

- Suitable for pumps with flange conforming ISO7005-92 standard.
- Automatic engagement with flanged elbow

Includes

- Duck-foot bend
- Guide hook
- Flange connector
- Upper guide support
- Bolts and lock washers
  (Foundation bolts and guide pipes are not included)



Model	ΦA	ΦB	ΦC	N-Φd	T1	T2	T3	T4	T5	T6	T7	T8	T9	K1	K2	S	h1	h2	h3	h4	Ⅰ	Ⅱ	Ⅲ
50-50(PN6)	Φ50/G2"	110	140	4-Φ14	265	215	105	25	42	200	215	15	67	165	135	63	25	160	250	280	1"/Φ33.3x3.5	4-M16x120	2-M12x40
65-65(PN6)	Φ65/G2$^1/_2$"	130	160	4-Φ14	280	230	125	30	50	230	235	20	70	190	155	90	25	165	265	295	1"/Φ33.3x3.5	4-M16x120	2-M12x40
80-80(PN6)	Φ80/G3"	150	190	4-Φ18	315	265	145	27	50	255	225	30	78	215	155	77	25	190	305	335	1$^1/_2$"/Φ48.3x3.5	4-M16x120	2-M12x40
100-100(PN6)	Φ100/G4"	170	210	4-Φ18	365	305	170	32	55	295	260	35	95	265	175	100	25	230	350	380	1$^1/_2$"/Φ48.3x3.5	4-M18x150	2-M12x50
150-150(PN6)	Φ150	225	265	8-Φ18	400	260	280	24	48	400	410	75	95	280	300	200	390	300	480	-	1$^1/_2$"/Φ48.3x3.5	4-M20x150	2-M14x50
150-150(PN10)	Φ150	240	280	8-Φ22	400	260	280	24	48	400	410	75	95	280	300	200	390	300	480	-	1$^1/_2$"/Φ48.3x3.5	4-M20x150	2-M14x50
200-200(PN10)	Φ200	295	340	8-Φ22	400	260	280	24	48	400	445	100	95	300	355	230	440	325	555	-	1$^1/_2$"/Φ48.3x3.5	4-M20x150	2-M14x50
250-250(PN10)	Φ250	350	395	12-Φ22	400	260	280	24	48	460	555	110	95	360	430	295	460	315	630	-	1$^1/_2$"/Φ48.3x3.5	4-M22x150	2-M14x50
300-300(PN10)	Φ300	400	445	12-Φ22	520	340	375	32	65	550	600	140	110	414	460	280	480	415	730	-	2"/Φ60.3x3.5	4-M24x200	2-M14x50

- Ⅰ = Dimensions of tube for guide rod.
  Ⅱ = Quantity and specification of foundation bolt.
  Ⅲ = Quantity and specification of upper guide rod bolt

Application

- Can be used to transfer clean or slightly dirty water or other liquids similar to water in physical and chemical properties
- Suitable to be immersed in water for lifting water from the well or the pool, and draining water from the basement

Pump

- Engineering plastic pump body
- Extensive use with two outlets
- Float switch ensures automatic cut-in and cut-out
- Max. liquid temperature:+35℃
- Max. immersion depth: 7 m
- Max. diameter of particle: 5 mm

Motor

- Built-in thermal protector
- Insulation class: F
- Protection class: IPX8

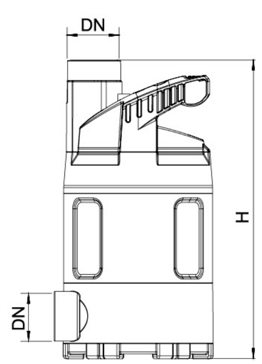
Identification Codes

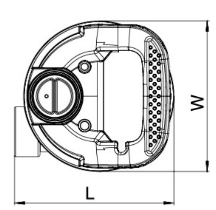
LKS – 250 P

- P: Plastic Pump Body
- 250: Power (W)
- LKS: Garden Submersible Pump

Technical Data

MODEL	POWER		Q (m^3/h)	0.9	1.5	3	4.5	6	7.5	9	10.5	12	12.6
	W	HP	Q (l/min)	15	25	50	75	100	125	150	175	200	210
LKS-250P	250	0.3	H (m)	5.8	5.3	4.1	3	1.7	-	-	-	-	-
LKS-400P	400	0.5		6.5	6.1	5.1	4	3	1.8	-	-	-	-
LKS-500P	500	0.7		7.6	7.4	6.8	6	5.2	4.3	3	1.5	-	-
LKS-750P	750	1		8.7	8.5	8	7.4	6.7	5.8	4.8	3.5	2.2	-
LKS-1000P	1000	1.3		11.6	11.3	10.5	9.7	8.8	7.6	6.3	4.6	2.9	2

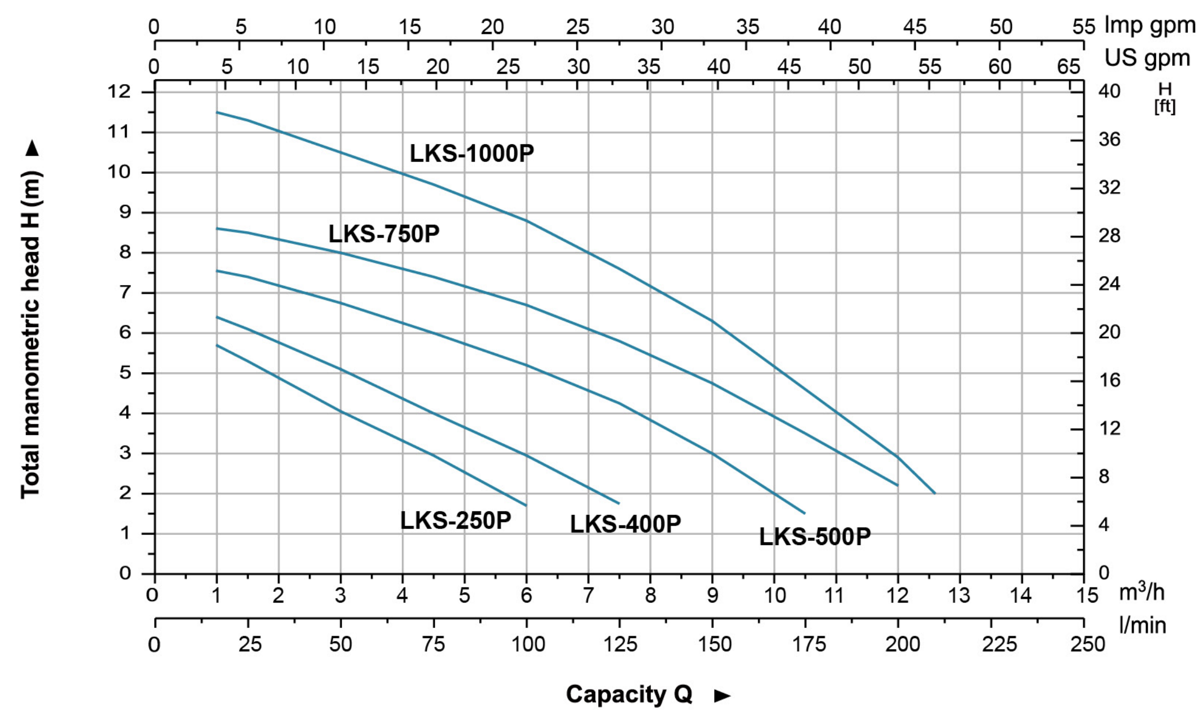




Dimension

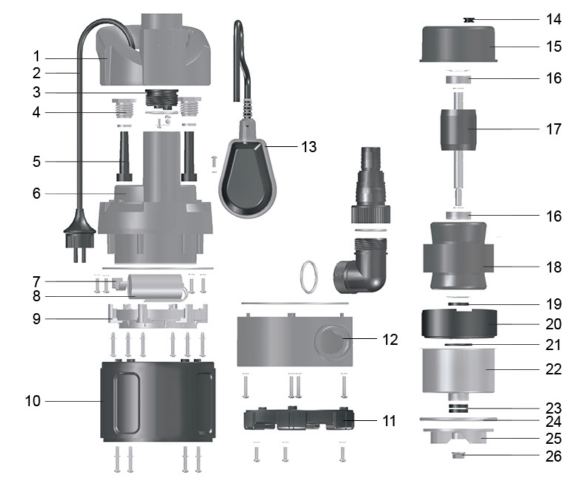
Model	DN	L (mm)	W (mm)	H (mm)
LKS-250P	32	157	148	295
LKS-400P		157	148	295
LKS-500P		157	148	316
LKS-750P		157	148	316
LKS-1000P		157	148	353

Hydraulic Performance Curves



Materials Table

No.	Part	Material	No.	Part	Material
1	Handle	PP	14	Wire jacket	NBR
2	Cable	Rubber	15	Upper cover	
3	Plug	PP	16	Bearing	
4	Nut	PP	17	Rotor	
5	Cable jacket	EPDM	18	Stator	
6	Roof	PP	19	Lip seal	
7	Capacitor clip	PC/ABS	20	Bearing seat	ZL102
8	Capacitor		21	O-ring	NBR
9	Retainer ring	PP	22	Stator cover	Steel
10	Pump body	PP	23	Lip seal	
11	Base plate	PP	24	O-ring	NBR
12	Base	PP	25	Impeller	PA6
13	Float switch	PP	26	Nut	Stainless steel



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
LKS-250P	4.4	210	160	330	2064
LKS-400P	4.6	210	160	330	2064
LKS-500P	5.2	210	160	330	2064
LKS-750P	6	210	160	330	2064
LKS-1000P	6.4	210	160	370	1720

Application

- This pump is mainly used for use in traditional wells, water deposits and collection tanks. Also suitable for small scale irrigation systems.

Pump

- AISI 304 pump body
- Very high head with multistage-impeller design
- Max. liquid temperature: +35℃
- Max. immersion depth: 7 m
- Max. diameter of particle: 1 mm

Motor

- Built-in thermal protector
- Insulation class: F
- Protection class: IPX8

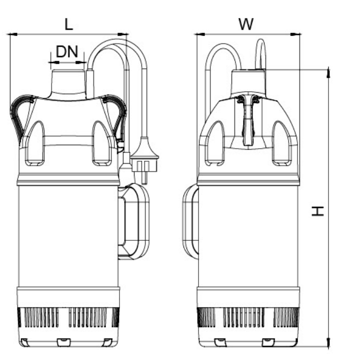
Identification Codes

XKS – 900 S

- S: Pump Body Material
- 900: Power (W)
- XKS: Garden Submersible Pumps

Technical Data

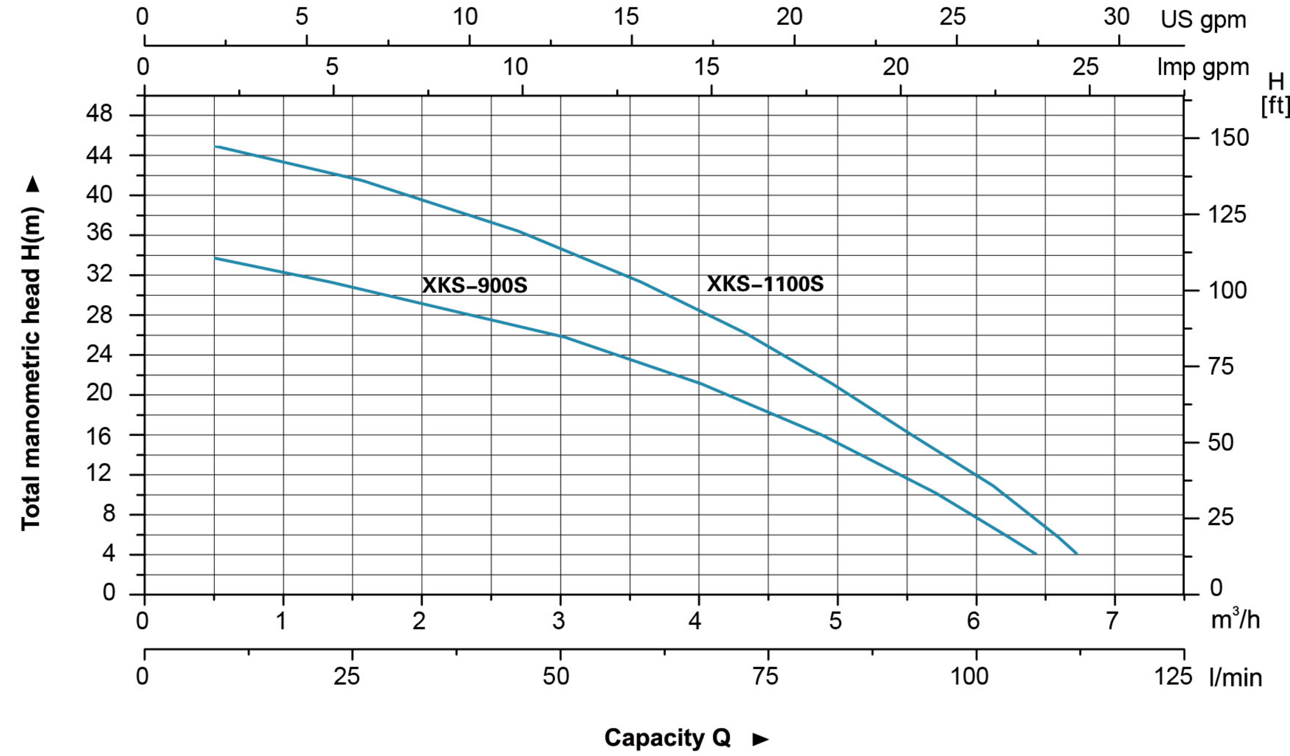
MODEL	POWER (P_2)		Q (m^3/h)	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5
	W	HP	Q (l/min)	8.3	16.7	25	33.3	41.7	50	58.3	66.7	75	83.3	91.7	100	108.3
XKS-900S	900	1.2	H (m)	34	32	31	29	27.5	26.6	23.5	21	18	15	12	8	3.5
XKS-1100S	1100	1.5		45	43	42	39	37	35	32	29	25	21	16.1	12	7



Dimension

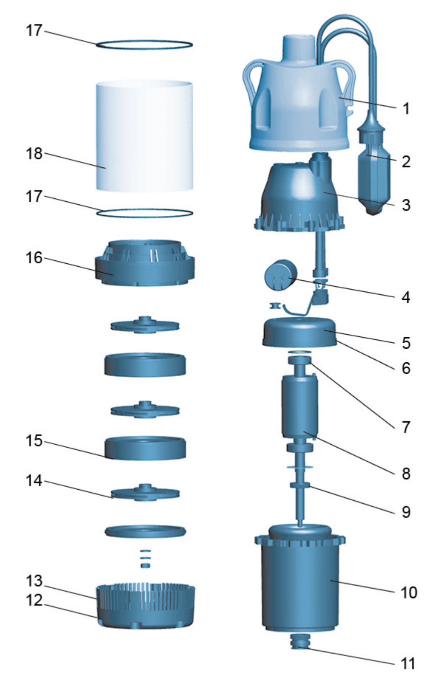
Model	DN	L (mm)	W (mm)	H (mm)
XKS-900S	25	170	150	404
XKS-1100S		170	150	428

Hydraulic Performance Curve



Materials Table

No.	Part	Material
1	Pump cover	PP
2	Float switch	
3	Cover	PP
4	Capacitor	
5	Upper plate	ZL102
6	O-ring	NBR
7	Bearing	
8	Rotor	
9	Oil seal	
10	Stator	
11	Mechanical seal	Carbon/ceramic
12	Base	PA66
13	Filter screen	AISI 304
14	Impeller	PPO
15	Discharge cover	PPO
16	Diffuser	PPO
17	Seal ring	NBR
18	Pump body	AISI 304



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XKS-900S	9.9	245	190	455	1380
XKS-1100S	11	245	190	480	1104

Application

- Can be used to transfer clean or slightly dirty water or other liquids similar to water in physical and chemical properties
- Suitable to be immersed in water for lifting water from the well or the pool, and draining water from the basement

Pump

- Engineering plastic pump body
- Float switch ensures automatic cut-in and cut-out
- Max. liquid temperature: +35℃
- Max. immersion depth: 7 m
- Max. diameter of particle: 5 mm

Motor

- Built-in thermal protector
- Insulation class: F
- Protection class: IPX8

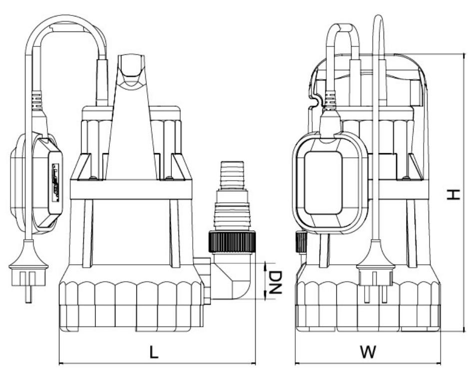
Identification Codes

XKS – 250 P

- Pump Body Material: Engineering Plastic
- Power (W)
- Garden Submersible Pump

Technical Data

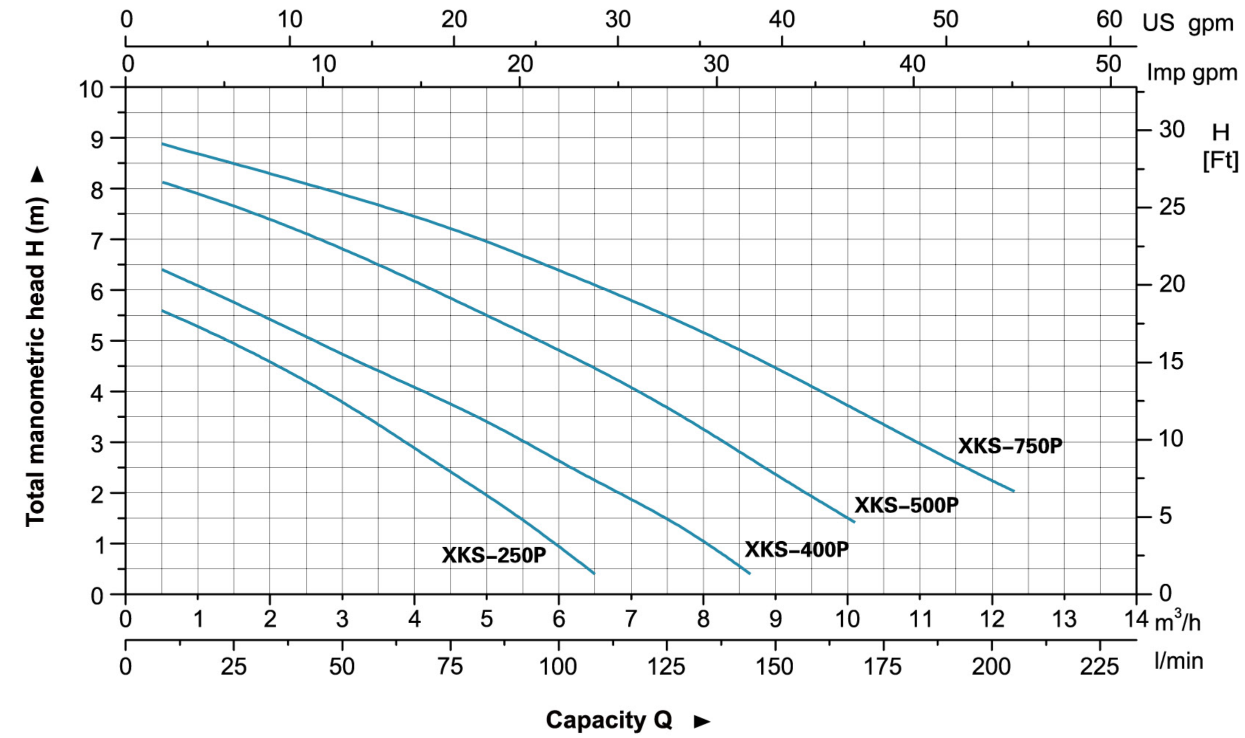
MODEL	POWER		Q (m^3/h)	0	1.5	3	4.5	6	7.5	9	10.5
	W	HP	Q (l/min)	0	25	50	75	100	125	150	175
XKS-250P	250	0.3	H (m)	5.8	5	3.8	2.4	-	-	-	-
XKS-400P	400	0.5		6.5	5.8	4.7	3.7	2.6	1.5	-	-
XKS-500P	500	0.7		7.6	7.6	6.8	5.7	4.7	3.6	2.3	-
XKS-750P	750	1		8.7	8.5	7.7	7.2	6.2	5.5	4.5	3.2



Dimension

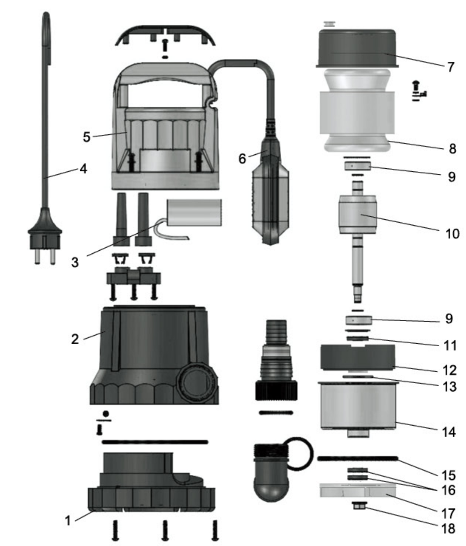
Model	DN	L (mm)	W (mm)	H (mm)
XKS-250P	32	213	158	300.5
XKS-400P		213	158	300.5
XKS-500P		213	158	300.5
XKS-750P	40	213	158	317.5

Hydraulic Performance Curves



Materials Table

Pos.	Part	Material
1	Pump base	PP
2	Pump body	PP
3	Capacitor	
4	Cable	
5	Roof	PP
6	Float switch	
7	Upper cover	
8	Stator	
9	Bearing	
10	Rotor	
11	Lip seal	
12	Bearing seat	DMC
13	O-ring	NBR
14	Stator shield	Steel
15	O-ring	NBR
16	Lip seal	
17	Impeller	PA6
18	Nut	AISI 304



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XKS-250P	4.8	210	160	340	2064
XKS-400P	5.1	210	160	330	2064
XKS-500P	5.5	210	160	340	2064
XKS-750P	6.0	210	160	340	2064

XKS

Stainless Steel Garden Submersible Pump

Application

- Can be used to transfer clean or slightly dirty water or other liquids similar to water in physical and chemical properties
- Suitable to be immersed in water for lifting water from the well or the pool, and draining water from the basement

Pump

- Stainless steel pump body
- Float switch ensures automatic cut-in and cut-out
- Max. liquid temperature: +35℃
- Max. immersion depth: 7 m
- Max. diameter of particle: 5 mm

Motor

- Built-in thermal protector
- Insulation class: F
- Protection class: IPX8

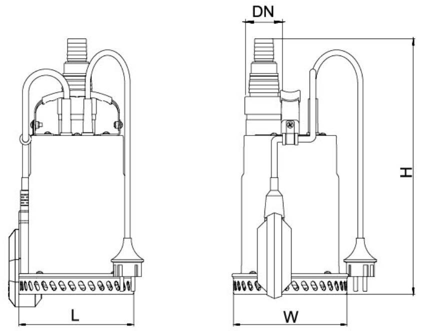
Identification Codes

XKS – 250 S

- S: Pump Body Material : Stainless Steel
- 250: Power (W)
- XKS: Garden Submersible Pump

Technical Data

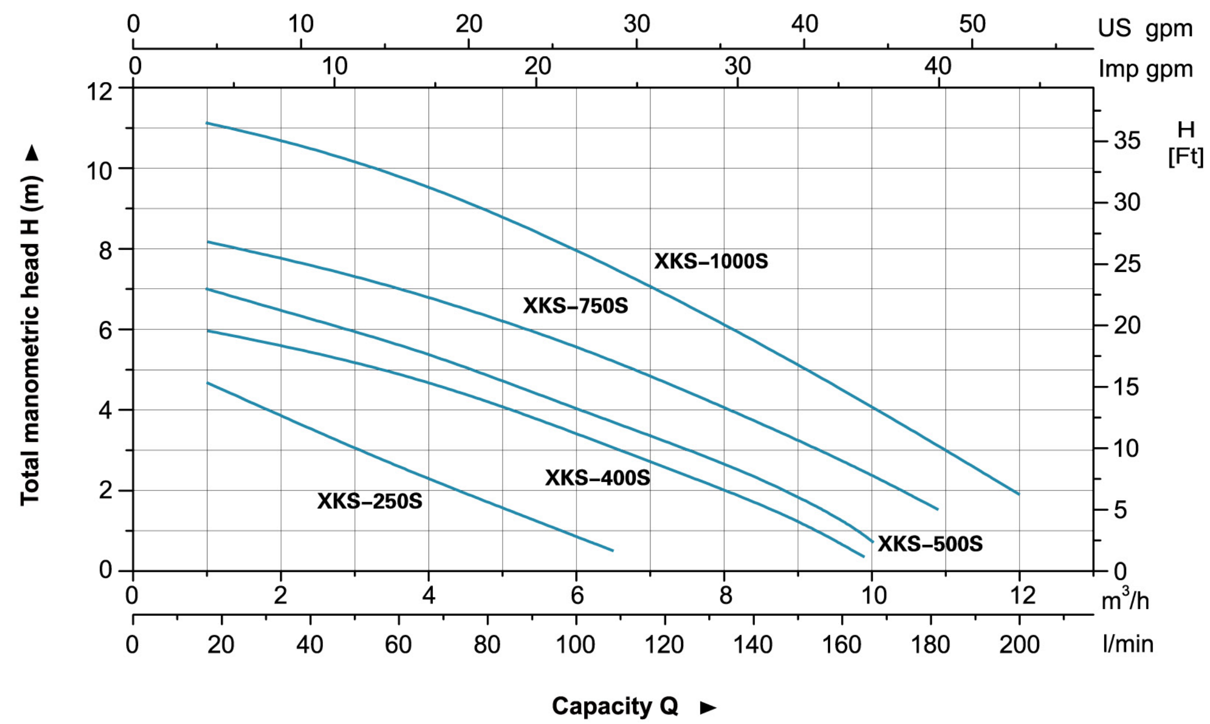
MODEL	POWER		Q (m^3/h)	0	2	4	6	8	10	12
	W	HP	Q (l/min)	0	33	67	100	133	167	200
XKS-250S	250	0.3	H (m)	5.5	3.8	2.3	-	-	-	-
XKS-400S	400	0.5		6.3	5.5	4.5	3	2	-	-
XKS-500S	500	0.7		7.5	6.5	5.3	4	2.5	-	-
XKS-750S	750	1		8.5	7.8	6.8	5.5	4	2.3	-
XKS-1000S	1000	1.3		11.5	10.6	9.5	8	6	4	1.9



Dimension

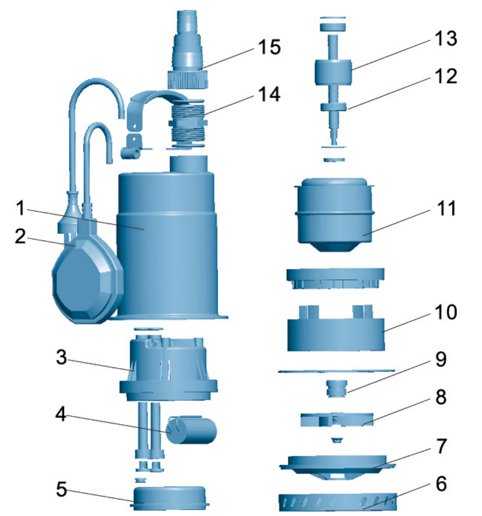
Model	DN	L (mm)	W (mm)	H (mm)
XKS-250S	32	151	151	323
XKS-400S		151	151	323
XKS-500S		151	151	331
XKS-750S		151	151	347
XKS-1000S		151	151	326

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump cover	AISI 304
2	Float switch	
3	Upper cover	PP
4	Capactior	
5	Upper plate	ZL102
6	Pump base	AISI 304
7	Diffuser	PP
8	Impeller	PPO
9	Mechanical seal	Carbon/Ceramic
10	Pump support	ABS
11	Stator	
12	Ball bearing	
13	Rotor	
14	Connector	PP
15	Connector	PP



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XKS-250S	4.8	200	150	300	2632
XKS-400S	5.2	200	150	300	2632
XKS-500S	6.2	200	150	300	2632
XKS-750S	7.8	205	155	345	2160
XKS-1000S	7	205	155	345	2256

XKS

Garden Submersible Pump

Application

- Can be used to transfer clean or slightly dirty water or other liquids similar to water in physical and chemical properties
- Suitable to be immersed in water for lifting water from the well or the pool, and draining water from the basement

Pump

- Engineering plastic pump body
- Max. liquid temperature: +35℃
- Float switch ensures automatic cut-in and cut-out
- Max. immersion depth: 7 m
- Max. diameter of particle: 35 mm

Motor

- Built-in thermal protector
- Insulation class: F
- Protection class: IPX8

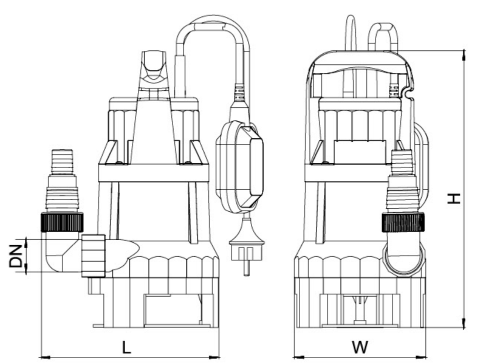
Identification Codes

XKS – 400 P W

- W: Dirty Water
- P: Pump Body Material : Engineering Plastic
- 400: Power (W)
- XKS: Garden Submersible Pump

Technical Data

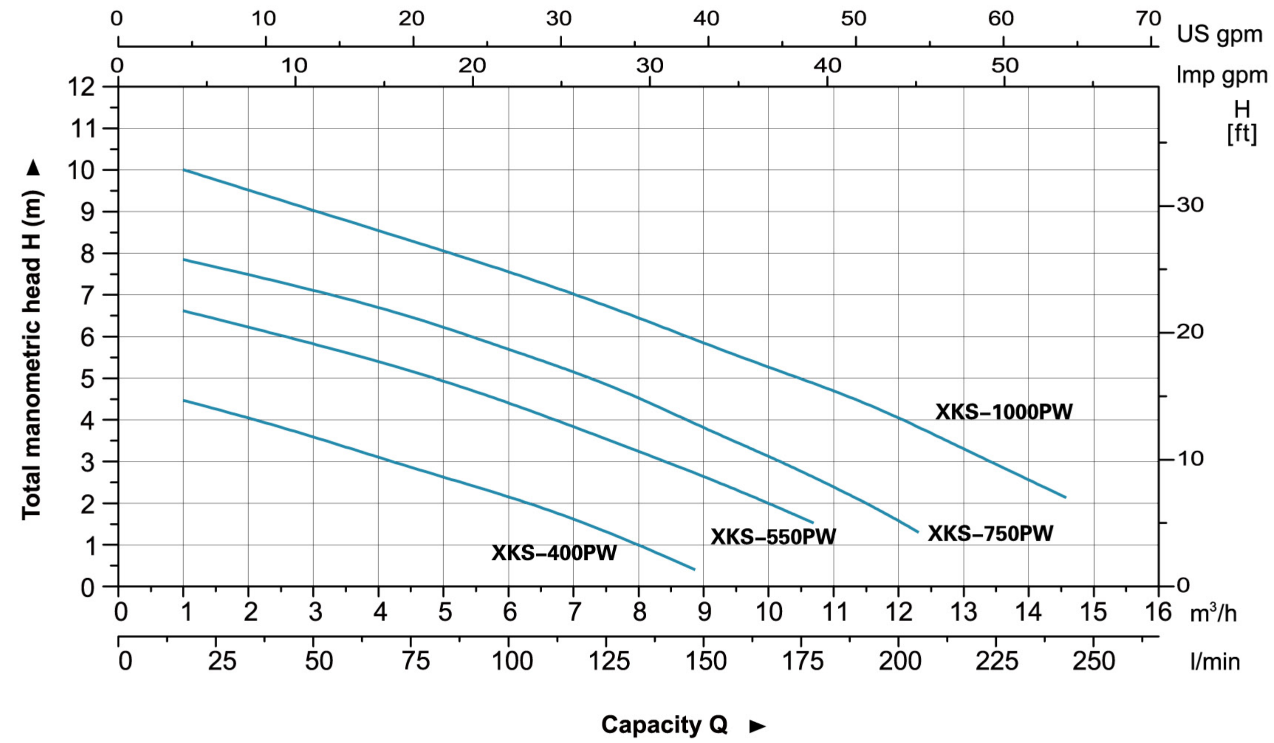
MODEL	POWER		Q (m^3/h)	0	1.5	3	4.5	6	7.5	9	10.5	12	13.5
	W	HP	Q (l/min)	0	25	50	75	100	125	150	175	225	225
XKS-400PW	400	0.5	H (m)	4.8	4.3	3.5	2.8	2	1.3	-	-	-	-
XKS-550PW	550	0.7		7	6.4	5.7	5.2	4.5	3.5	2.5	1.5	-	-
XKS-750PW	750	1		8.2	7.5	7	6.5	5.6	4.8	3.8	2.8	1.5	-
XKS-1000PW	1000	1.3		10.5	9.7	9	8.3	7.5	6.7	5.8	5	4	3



Dimension

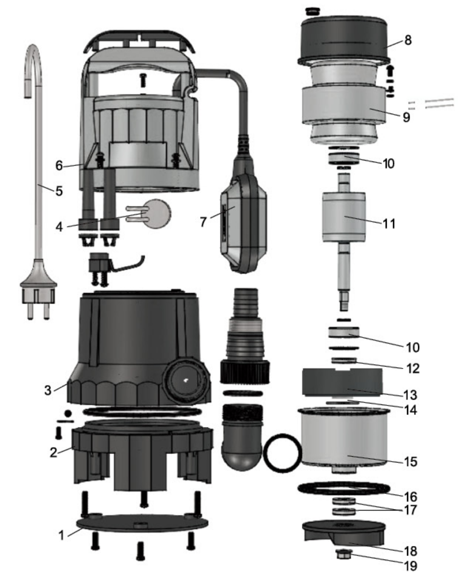
Model	DN	L (mm)	W (mm)	H (mm)
XKS-400PW	32	213	158	332
XKS-550PW	32	213	158	349
XKS-750PW	40	213	158	349
XKS-1000PW		217	153	376

Hydraulic Performance Curves



Materials Table

Pos.	Part	Material
1	Base plate	PP
2	Pump base	PP
3	Pump body	PP
4	Capacitor	
5	Cable	
6	Roof	PP
7	Float switch	
8	Upper cover	
9	Stator	
10	Bearing	
11	Rotor	
12	Lip seal	
13	Bearing seat	DMC
14	O-ring	NBR
15	Stator shield	Steel
16	O-ring	NBR
17	Lip seal	
18	Impeller	PA6
19	Nut	AISI 304



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XKS-400PW	4.8	200	150	300	2632
XKS-550PW	5.2	200	150	300	2632
XKS-750PW	6.2	200	150	300	2632
XKS-1000PW	7.8	205	155	345	2160

XKS
Stainless Steel Garden Submersible Pump

Application

- Can be used to transfer clean or slightly dirty water or other liquids similar to water in physical and chemical properties
- Suitable to be immersed in water for lifting water from the well or the pool, and draining water from the basement

Pump

- Stainless steel pump body
- Float switch ensures automatic cut-in and cut-out
- Max. liquid temperature: +35℃
- Max. immersion depth: 7 m
- Max. diameter of particle: 35 mm

Motor

- Built-in thermal protector
- Insulation class: F
- Protection class: IPX8

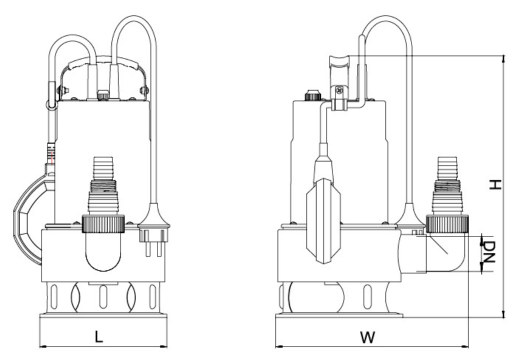
Identification Codes

XKS – 400 S W

- W — Dirty Water
- S — Pump Body Material : Stainless Steel
- 400 — Power (W)
- XKS — Garden Submersible Pump

Technical Data

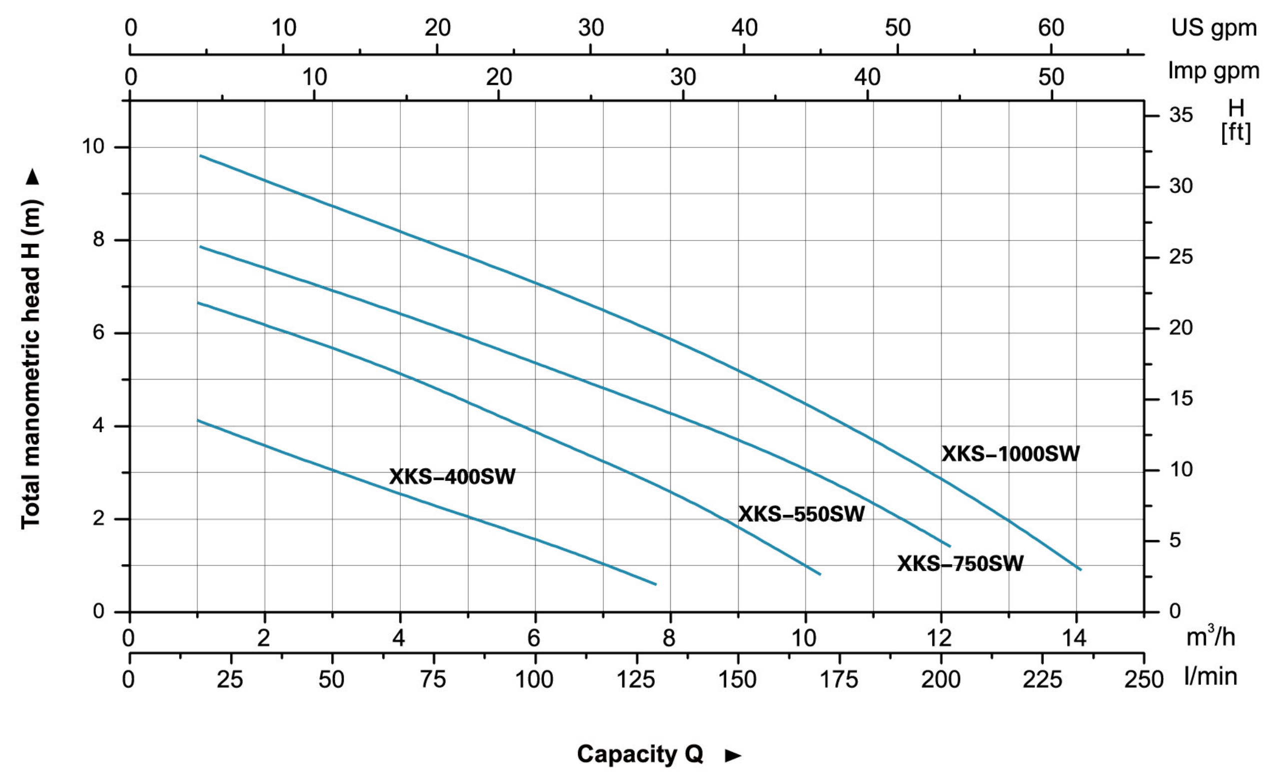
MODEL	POWER W	POWER HP	Q (m^3/h) / Q (l/min)	0 / 0	2 / 33	4 / 67	6 / 100	8 / 133	10 / 167	12 / 200
XKS-400SW	400	0.5	H (m)	4.7	3.5	2.5	1.5	-	-	-
XKS-550SW	550	0.7	H (m)	7	6.2	5.1	3.8	2.5	-	-
XKS-750SW	750	1	H (m)	8.3	7.3	6.3	5.2	4.2	2.5	-
XKS-1000SW	1000	1.3	H (m)	10.3	9.3	8.2	7	5.8	4.5	2.8



Dimension

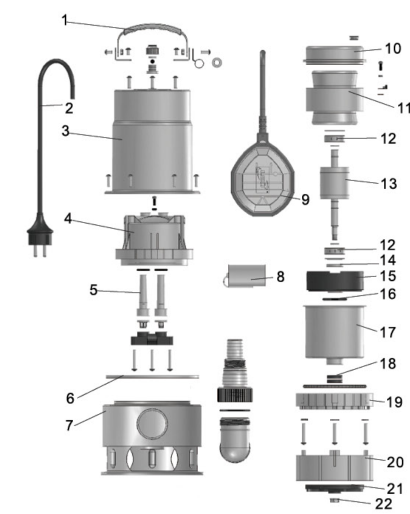
Model	DN	L (mm)	W (mm)	H (mm)
XKS-400SW	40	165	248	340
XKS-550SW	40	165	248	340
XKS-750SW	40	165	248	351
XKS-1000SW	40	165	248	370

Hydraulic Performance Curves



Materials Table

Pos.	Part	Material
1	Handle	AISI 304
2	Cable	Rubber
3	Pump body	AISI 304
4	Roof	PP
5	Jacket	NBR
6	O-ring	NBR
7	Pump body	AISI 304
8	Capacitor	
9	Float switch	PP
10	Upper cover	
11	Stator	
12	Bearing	
13	Rotor	
14	Lip seal	
15	Bearing base	MPPO
16	O-ring	NBR
17	Canister	Stainless
18	Lip seal	
19	Retainer ring	PP
20	Pump support	ABS
21	Impeller	PA6
22	Nut	AISI 304



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XKS-400SW	5.7	210	165	350	1968
XKS-550SW	6.4	210	165	350	1968
XKS-750SW	7	210	165	350	1968
XKS-1000SW	8.6	215	170	355	1888

Product Feature

- The pump body is located in the bottom of the pump.The pump suction is equal to the length of the pipe, can replace other surface pumps and solve the problem of failing to pump water up due to the decline of water level.
- Max diameter of pump is 42mm. The water pump can be used in well whose diameter is more than 50mm
- This pump is provided with excellent anti freezing function; when the pump is powered off, there is no water inside the pump body and the pipe, so pump body or pipe shall be free of any crack when used in cold winter.

Applicable

- Flexible shaft pump is suitable for household water, Cultivation, such as irrigation occasion which water consumption is not big
- Apply to water solid content (Quality estimation) ≤1‰
- Water PH 6.5~8.5
- Chlorine ion content in water ≤ 400mg/L
- Max.ambient Temperature:+40°C

Configuration

- Copper wire motor with protector
- High quality stator
- IP54

Identification Codes

FSP 750 – 25

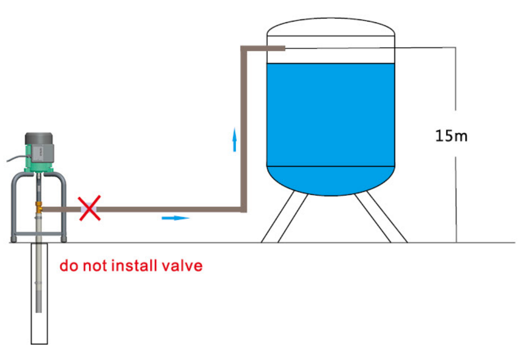
- 25 — Pipe Length (m)
- 750 — Power (W)
- FSP — FSP Flexible Shaft Pump (Single–phase machine)

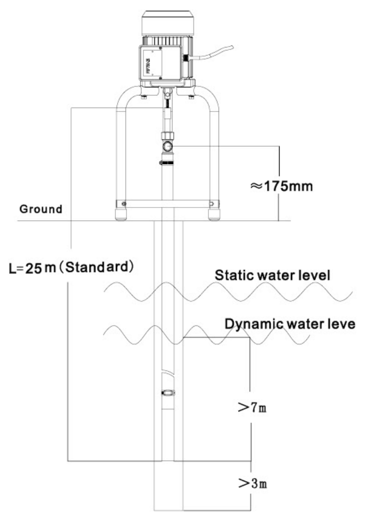
Technical Data

Model	Power			Q(m³/h)	0.3	0.7	0.95	1.3	1.5
	kW	HP	Hz	Q(l/min)	5	11.6	15.8	21.6	25
FSP750-25	0.75	1	50/60	H(m)	81.3	50.1	31.2	10	5

(Note: The FSP length does not affect the performance)

Installation Drawing





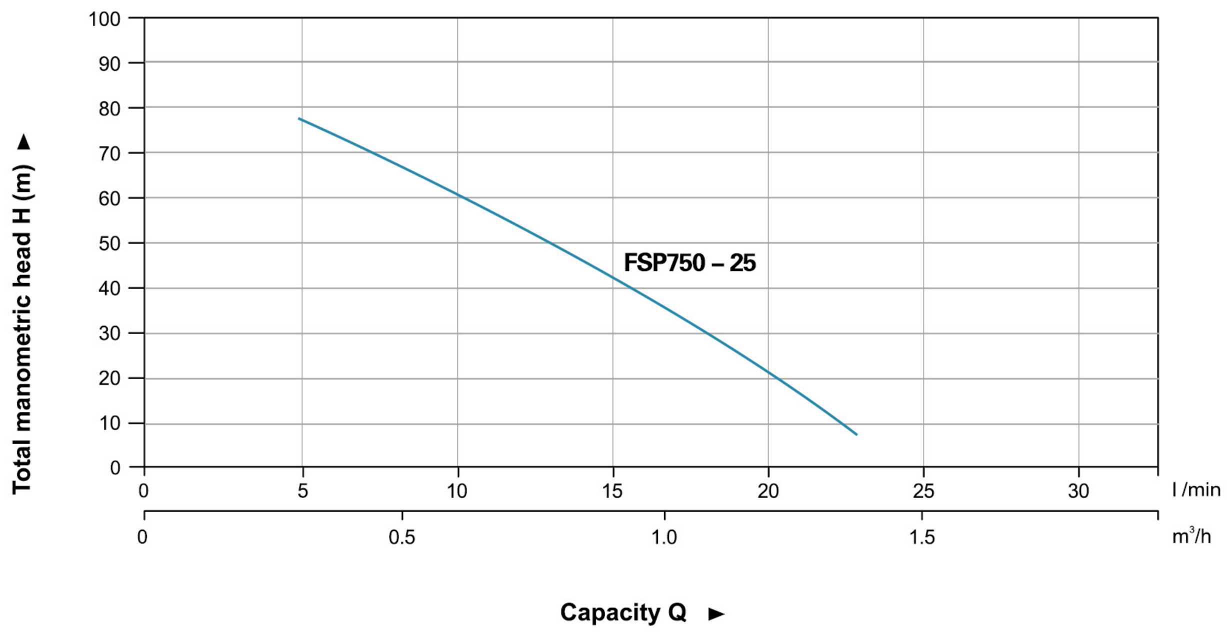
Mounting Dimension

(Flexible shaft pump length L,

According to water depth matching,pipe

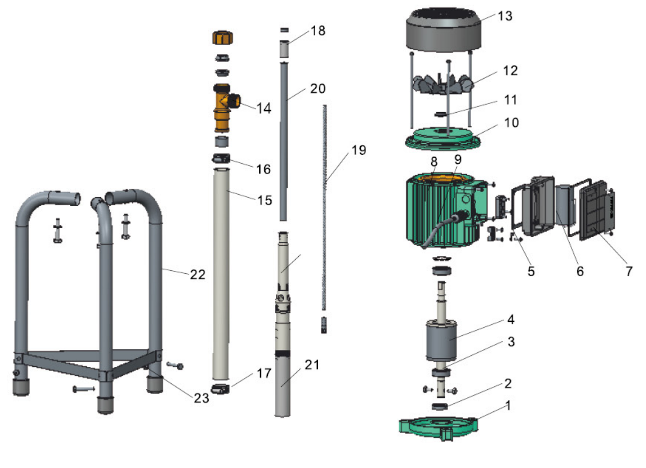
standard length 25m)

Hydraulic Performance Curves



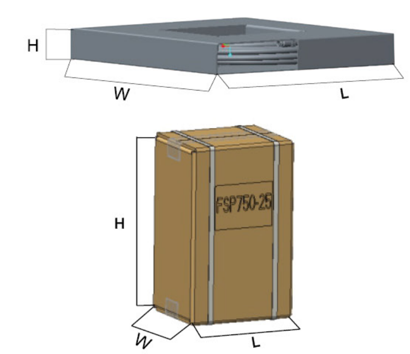
Materials Table

No.	Part	Material	No.	Part	Material
1	Front end cover	HT200	15	External pipe	PP
2	Oil seal	NBR	16	Hose clamp	304
3	Bearing	GCr15	17	Hose clamp	304
4	Rotor		18	Bearing sheath	Q235
5	Cover box	ABS	19	Component of soft shaft	
6	Capacitor		20	Internal pipe	PP
7	Cover lid	ABS	21	Component of pump head	
8	Stator		22	Support	Q235
9	Outgoing line		23	Rail	Q235
10	Rear end cover	HT200			
11	VD type sealing ring				
12	Fan	PP			
13	Fan cover	Q235			
14	Tee	Brass			



Package Information

Model	Packaging	NO.	GW (Kg)	H (mm)	W (mm)	L (mm)
FSP750-40	FSP	1	21.5	230	1115	1120
	Motor & Parts	1	8.5	405	200	250
FSP750-35	FSP	1	17.5	115	1115	1120
	Motor & Parts	1	8.5	405	200	250
FSP750-30	FSP	1	14.5	115	1115	1120
	Motor & Parts	1	8.5	405	200	250
FSP750-25	FSP	1	12	115	1115	1120
	Motor & Parts	1	8.5	405	200	250
FSP750-20	FSP	1	10	115	1115	1120
	Motor & Parts	1	8.5	405	200	250
FSP750-15	FSP	1	8.5	115	1115	1120
	Motor & Parts	1	8.5	405	200	250



Application

- Filter of the pond water
- Beautiful ornament for the pond
- Oxygen enrichment of the pond water

Features

- Plastic casing
- Small, lightweight, durable and reliable
- Various nozzles available for displaying of cascade, water bell, etc.

Identification Codes

XKF - 6 P

- P — Plastic Pump Body
- 6 — Power (W)
- XKF — Fountain Pump

Technical Data

Model	Voltage	Input Power (W)	Max.Head (m)	Max.Flow (L/h)	Outlet (mm)	Cable
XKF-6P	110V/60Hz	6	0.7	380	13	H05RN-F 10m
XKF-15P	110V/60Hz	15	1.0	850	13	H05RN-F 10m
XKF-20P	110V/60Hz	20	1.1	1100	13	H05RN-F 10m

Operating Limits: Fluid temperature up to 35℃; Ambient temperature up to 40℃.

Application

- Filter of the pond water
- Beautiful ornament for the pond
- Oxygen enrichment of the pond water

Features

- Plastic casing
- Small, lightweight, durable and reliable
- Various nozzles available for displaying of cascade, water bell, etc.

Identification Codes

XKF - 35 P

- P — Plastic Pump Body
- 35 — Power (W)
- XKF — Fountain Pump

Csscade & Water Bell as standard, Foaming Jet, Water Lily & Pelunica are available on request.

Technical Data

Model	Voltage	Input Power (W)	Max.Head (m)	Max.Flow (L/h)	Outlet (mm)	Cable
XKF-35P	110V/60Hz	35	1.4	1600	19	H05RN-F 10m
XKF-55P	110V/60Hz	55	2.3	2300	19	H05RN-F 10m
XKF-75P	110V/60Hz	75	2.7	2650	19	H05RN-F 10m
XKF-95P	110V/60Hz	95	3.0	3500	19	H05RN-F 10m
XKF-110P	110V/60Hz	110	3.7	3750	19	H05RN-F 10m

Operating Limits: Fluid temperature up to 35℃; Ambient temperature up to 40℃.

XR

Applications

- For water supply from wells or reservoirs
- For domestic use,for civil and industrial applications
- For garden use and irrigation

Operating Conditions

- Maximum fluid temperature up to +35℃
- Maximum sand content: 0.25%
- Maximum immersion: 80 m
- Minimum well diameter: 3"

Motor and Pump

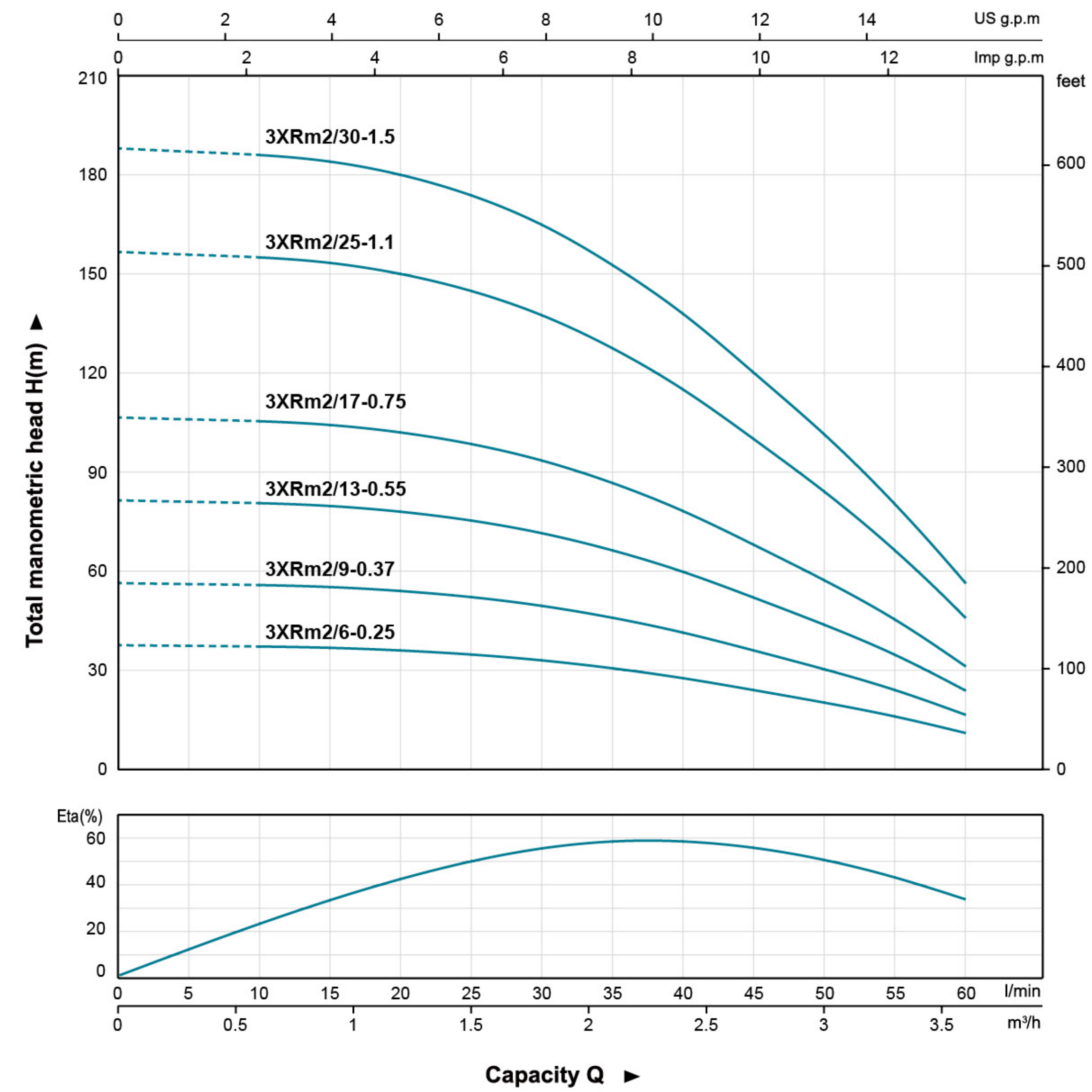
- Rewindable motor or full obturated screen motor
- **Three-phase:** 220V - 380V/60Hz
- **Single-phase:** 110V - 220V/60Hz
- Pumps are designed by casing stressed
- Curve tolerance according to ISO 9906

Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-Cu ASTM C85500
Suction lantern	Cast-Cu ASTM C85500
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	①Cast-Cu ASTM C85500
	②Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 304 SS-ASTM 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

3 XR m 2 / 6–0.25

- Rated Power (kW)
- Impeller Stage
- Rated Flow (m^3/h)
- Single-phase Motor
- Submersible Borehole Pump
- Min.Well Diameter: 3"

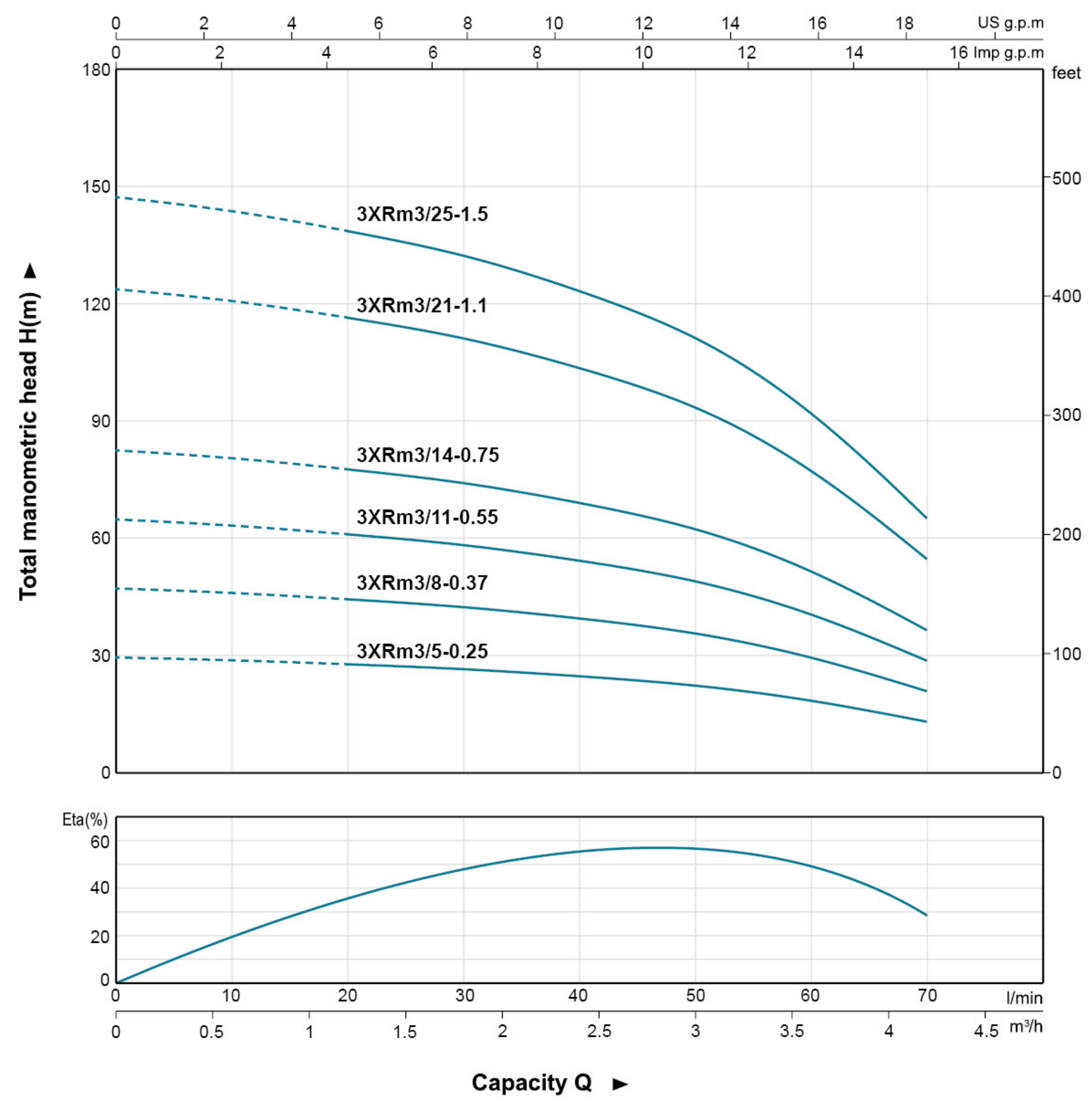
3XR 2



Technical Data

MODEL	P2		DELIVERY														n≈3450 1/min
	KW	HP	Q	m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6
				l/min	0	5	10	15	20	25	30	35	40	45	50	55	60
3XRm2/6-0.25	0.25	0.33	H(m)		38	37	37	37	36	35	33	31	28	24	20	16	11
3XRm2/9-0.37	0.37	0.5			56	56	56	55	54	52	49	46	41	36	30	24	16
3XRm2/13-0.55	0.55	0.75			81	81	81	80	78	75	71	66	60	52	44	35	24
3XRm2/17-0.75	0.75	1			107	106	105	104	102	98	93	87	78	68	57	45	31
3XRm2/25-1.1	1.1	1.5			157	156	155	153	150	144	137	127	115	100	84	67	46
3XRm2/30-1.5	1.5	2			188	187	186	184	180	173	165	153	138	120	101	80	55

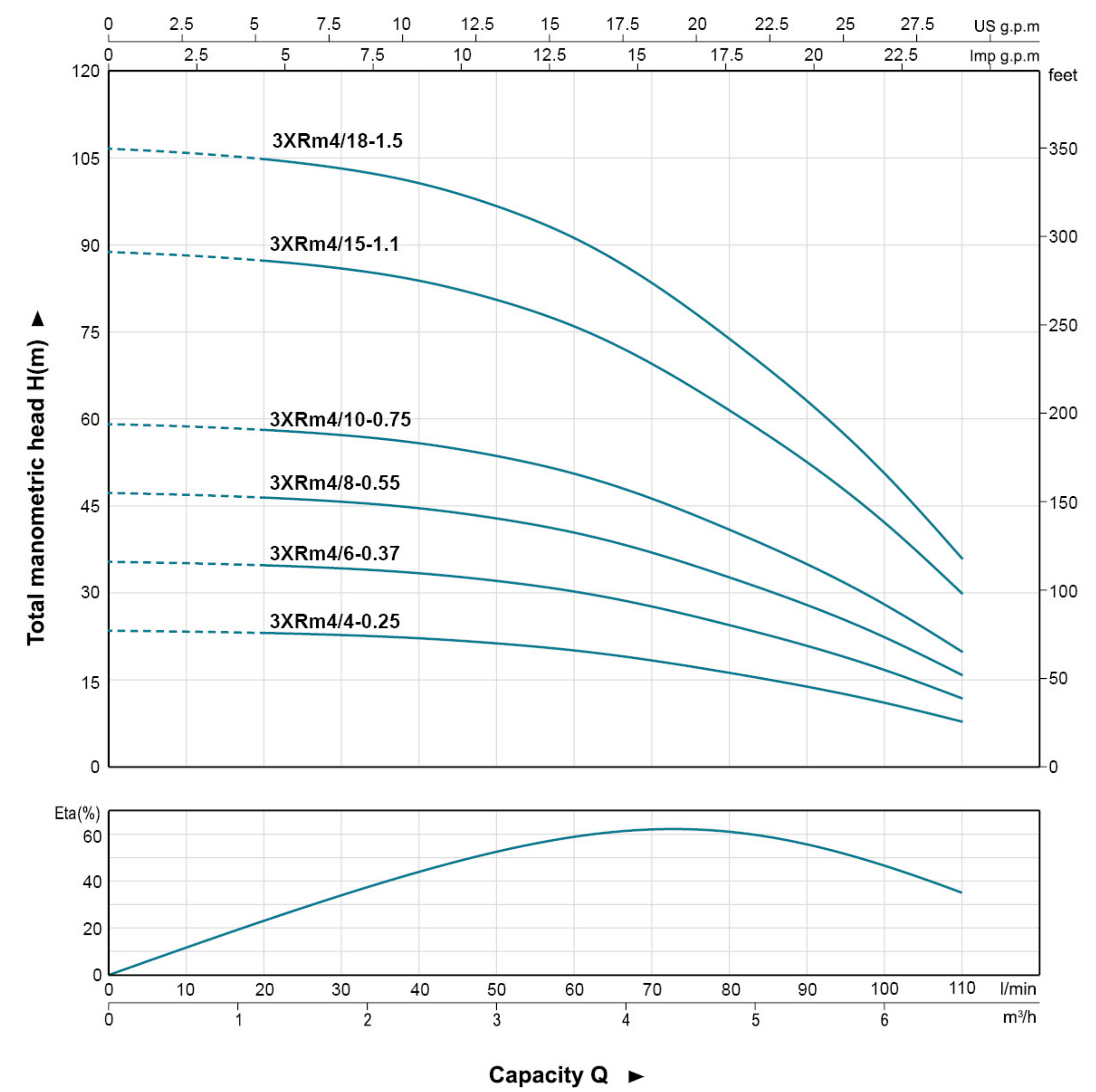
3XR 3



Technical Data

MODEL	P2 KW	P2 HP	Q	m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2
			DELIVERY n≈3450 1/min	l/min	0	10	20	30	40	50	60	70
3XRm3/5-0.25	0.25	0.33	H(m)		29	29	28	27	25	23	18	13
3XRm3/8-0.37	0.37	0.5			47	46	45	43	39	36	29	20
3XRm3/11-0.55	0.55	0.75			64	63	61	59	54	50	40	28
3XRm3/14-0.75	0.75	1			82	81	78	75	69	63	51	35
3XRm3/21-1.1	1.1	1.5			123	121	117	113	103	95	76	53
3XRm3/25-1.5	1.5	2			146	144	139	135	123	113	90	63

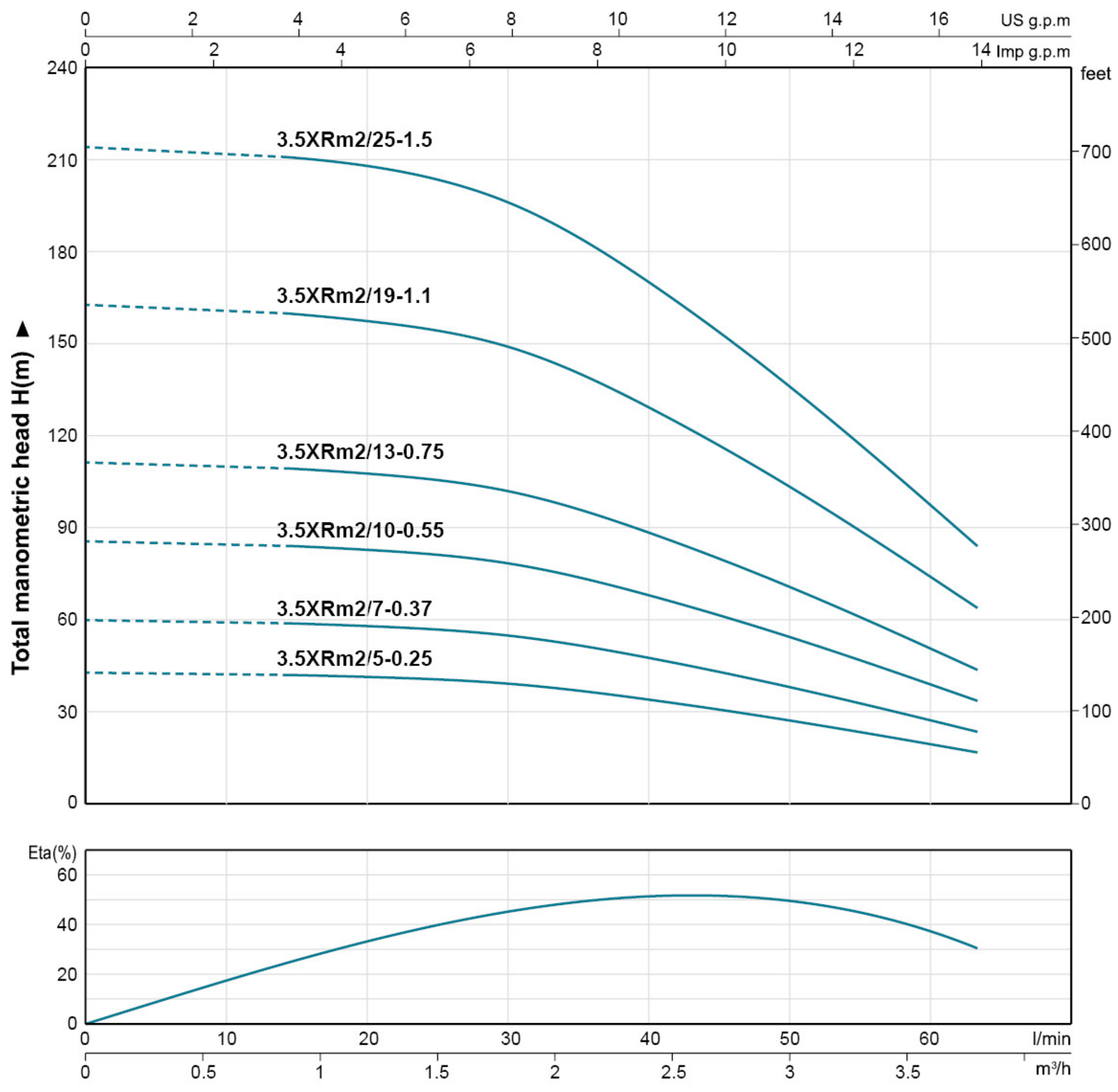
3XR 4



Technical Data

MODEL	P2 KW	P2 HP	Q	m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6
			DELIVERY n≈3450 1/min	l/min	0	10	20	30	40	50	60	70	80	90	100	110
3XRm4/4-0.25	0.25	0.33	H(m)		24	24	23	23	23	22	20	19	16	14	11	8
3XRm4/6-0.37	0.37	0.5			36	35	35	35	34	32	31	28	25	21	17	12
3XRm4/8-0.55	0.55	0.75			48	47	47	46	45	43	41	37	33	28	23	16
3XRm4/10-0.75	0.75	1			59	59	58	58	57	54	51	47	41	35	28	19
3XRm4/15-1.1	1.1	1.5			89	88	88	87	85	81	77	70	62	53	43	29
3XRm4/18-1.5	1.5	2			107	106	105	104	102	97	92	84	74	63	51	35

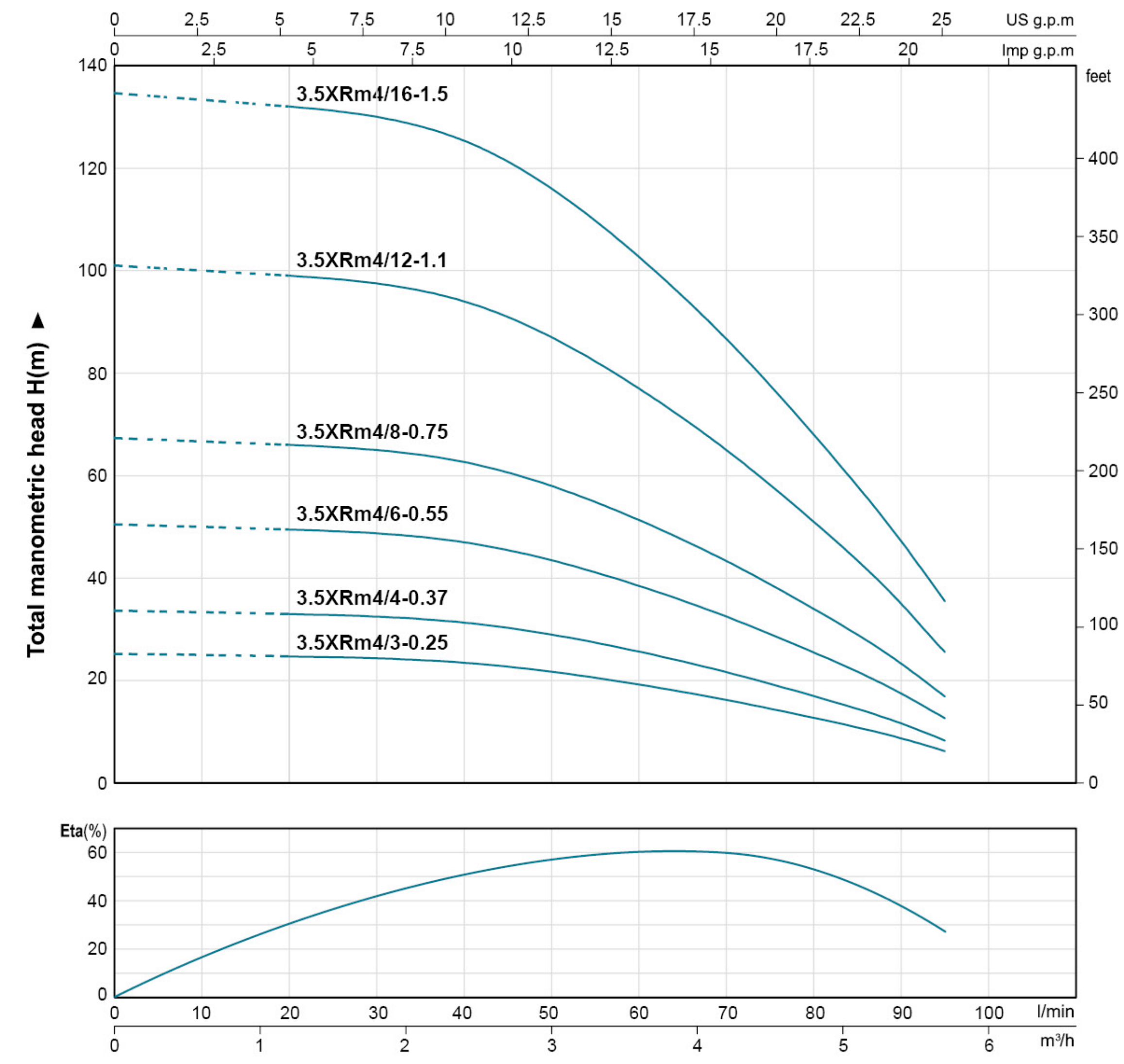
3.5XR 2



Technical Data

MODEL	P2 KW	P2 HP	Q m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6
			Q l/min	0	10	20	30	40	50	60
			DELIVERY n≈3450 1/min							
3.5XRm2/5-0.25	0.25	0.33	H(m)	43	42	41	39	34	27	17
3.5XRm2/7-0.37	0.37	0.5	H(m)	60	59	58	55	48	38	24
3.5XRm2/10-0.55	0.55	0.75	H(m)	86	85	83	78	68	54	34
3.5XRm2/13-0.75	0.75	1	H(m)	111	110	108	102	88	71	44
3.5XRm2/19-1.1	1.1	1.5	H(m)	163	161	157	149	129	103	64
3.5XRm2/25-1.5	1.5	2	H(m)	214	212	207	196	170	136	84

3.5XR 4



Technical Data

MODEL	P2 KW	P2 HP	Q m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4
			Q l/min	0	10	20	30	40	50	60	70	80	90
			DELIVERY n≈3450 1/min										
3.5XRm4/3-0.25	0.25	0.33	H(m)	25	25	24	24	23	22	19	16	13	9
3.5XRm4/4-0.37	0.37	0.5	H(m)	34	33	33	32	31	29	26	22	17	12
3.5XRm4/6-0.55	0.55	0.75	H(m)	51	50	50	49	47	44	39	33	26	18
3.5XRm4/8-0.75	0.75	1	H(m)	68	67	66	65	63	58	52	44	34	24
3.5XRm4/12-1.1	1.1	1.5	H(m)	101	100	99	98	94	87	77	65	51	35
3.5XRm4/16-1.5	1.5	2	H(m)	135	133	132	130	125	116	103	87	68	47

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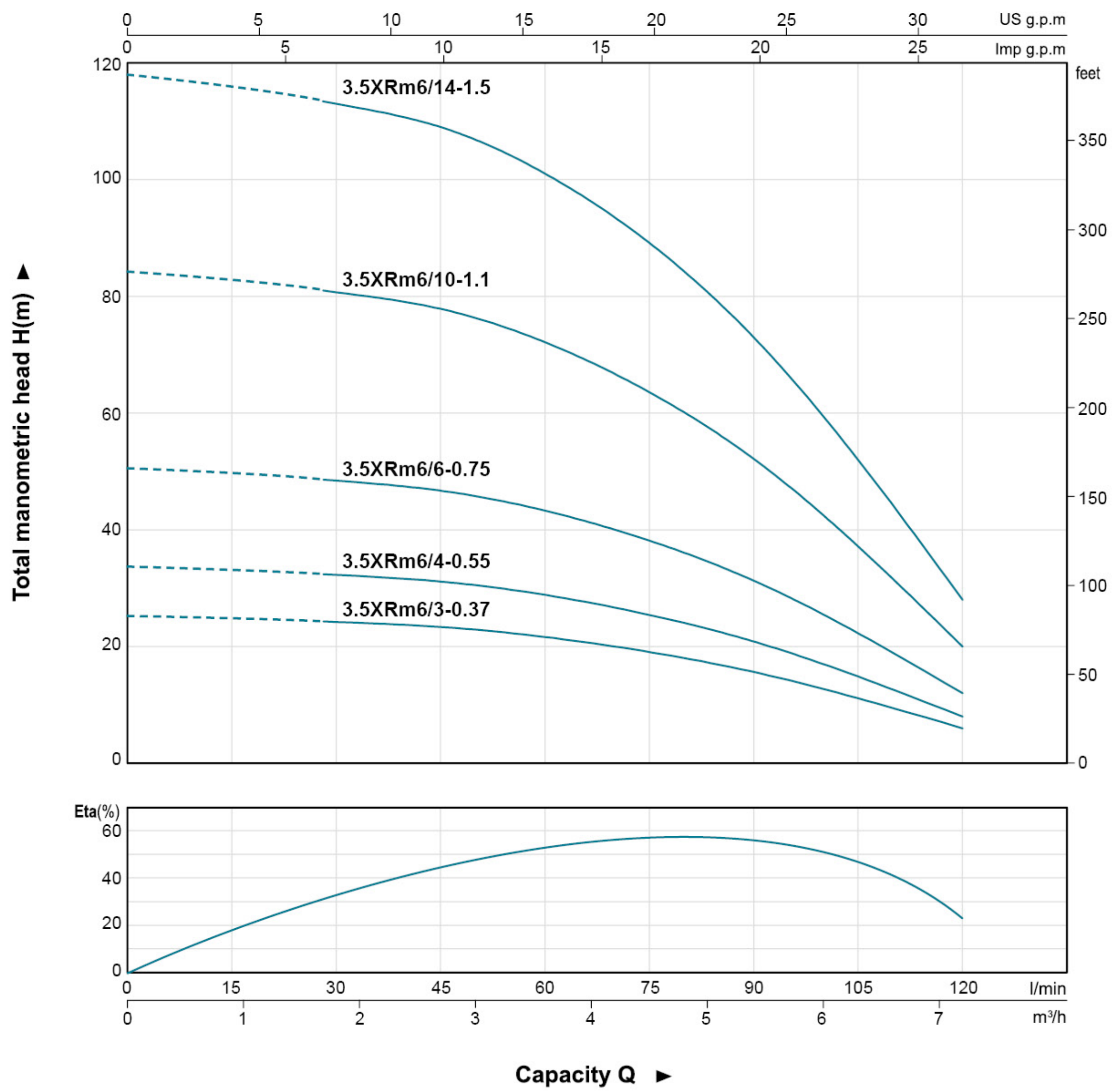
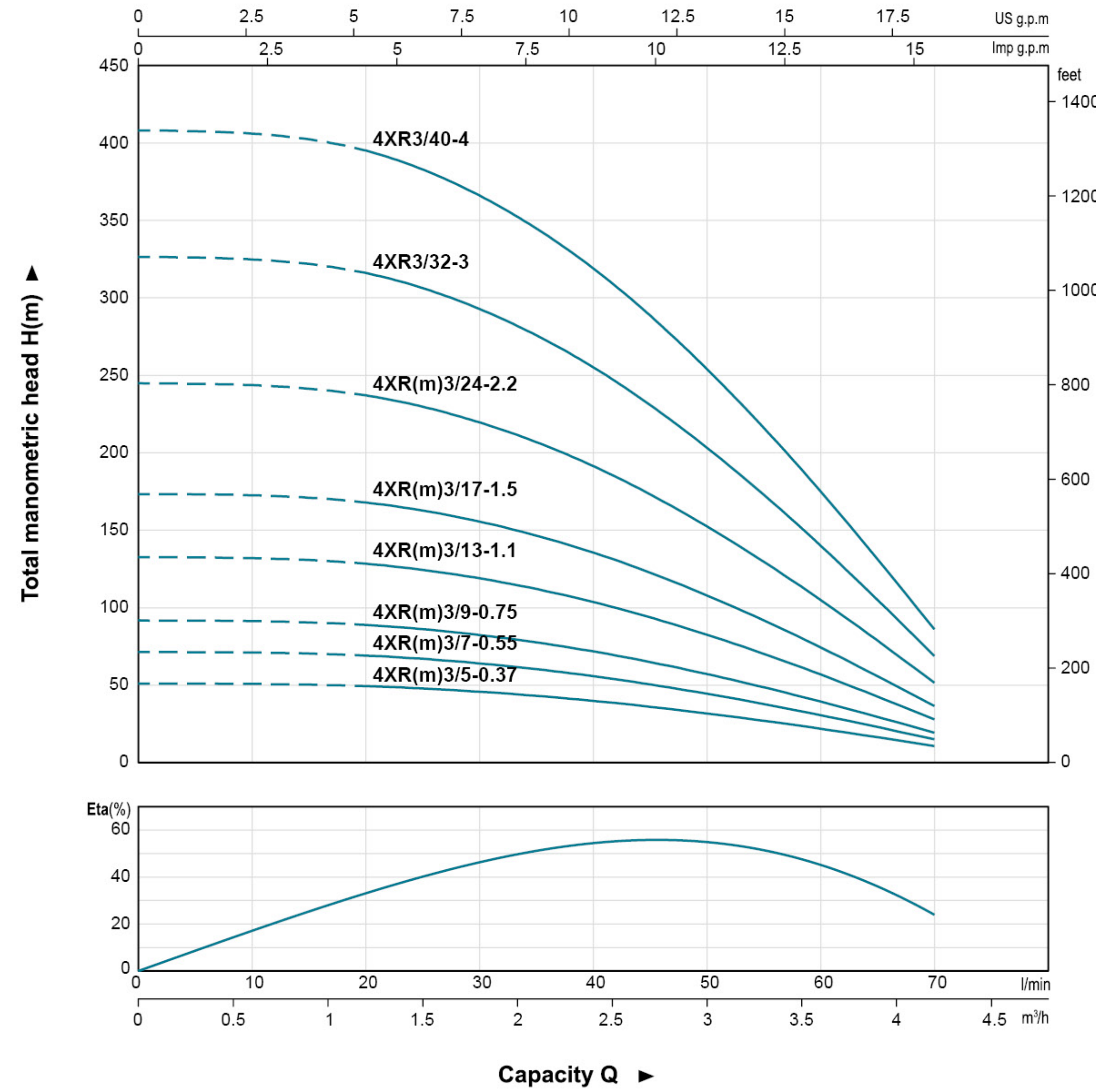
3.5XR 6



Technical Data

MODEL	P2		DELIVERY											n≈3450 1/min
	KW	HP	Q	m³/h	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2
				l/min	0	15	30	45	60	75	90	105	120
3.5XRm6/3-0.37	0.37	0.5	H(m)		25	25	24	23	22	19	16	11	6
3.5XRm6/4-0.55	0.55	0.75			34	33	32	31	29	25	21	15	8
3.5XRm6/6-0.75	0.75	1			51	50	48	47	43	38	31	22	12
3.5XRm6/10-1.1	1.1	1.5			84	83	81	78	72	64	52	37	20
3.5XRm6/14-1.5	1.5	2			118	116	113	109	101	89	73	52	28

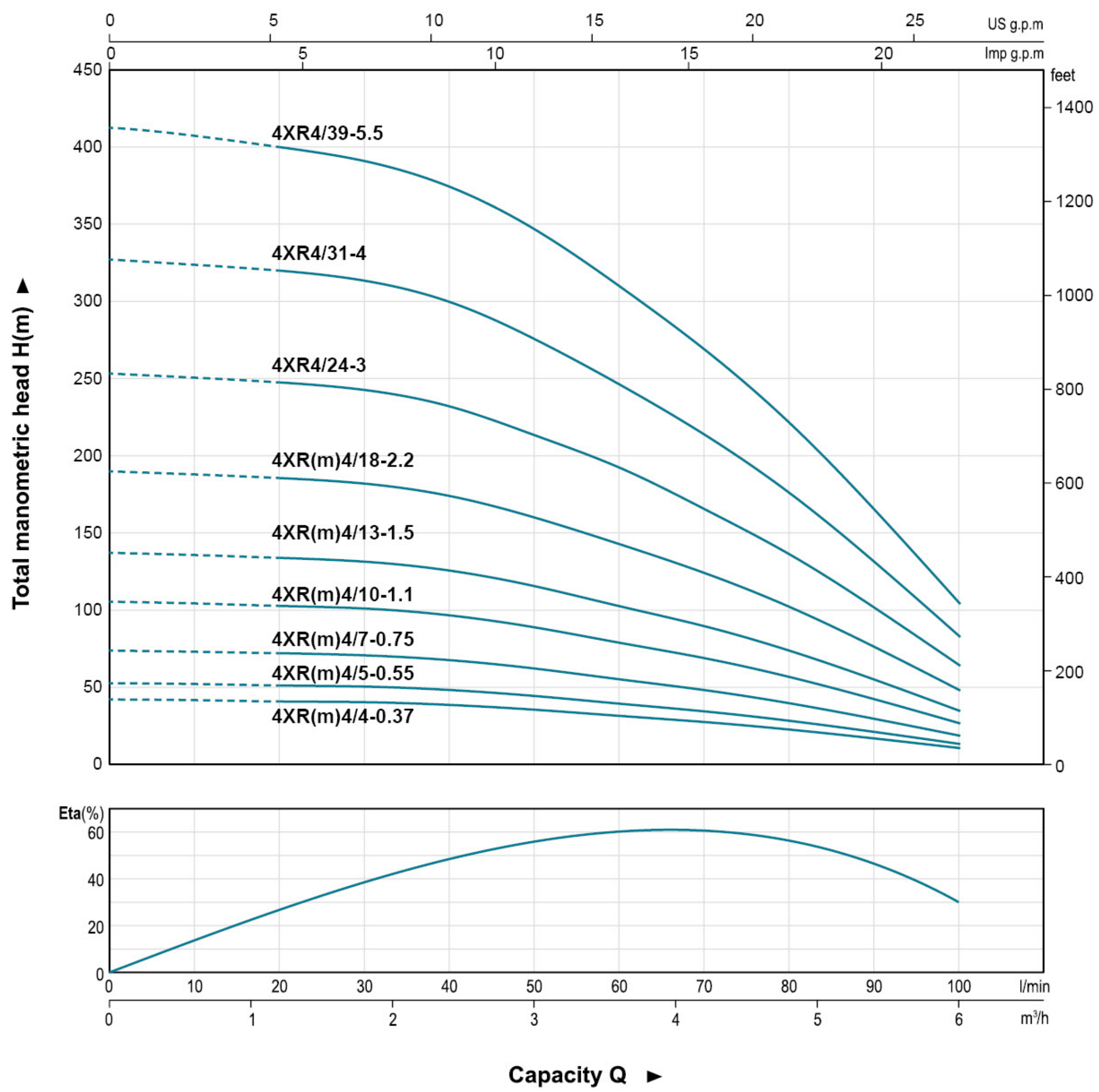
4XR 3



Technical Data

MODEL		P2		DELIVERY											n≈3450 1/min
1~ 110V/220V	3~ 220V/380V	KW	HP	Q	m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8
					l/min	0	10	20	30	40	50	60	70	80
4XRm3/5-0.37	4XR3/5-0.37	0.37	0.5	H(m)		52	51	51	48	43	38	30	23	12
4XRm3/7-0.55	4XR3/7-0.55	0.55	0.75			72	72	71	67	61	53	42	32	17
4XRm3/9-0.75	4XR3/9-0.75	0.75	1			93	92	91	86	78	68	54	41	22
4XRm3/13-1.1	4XR3/13-1.1	1.1	1.5			135	133	132	124	112	98	78	59	32
4XRm3/17-1.5	4XR3/17-1.5	1.5	2			176	174	173	162	147	128	102	76	42
4XRm3/24-2.2	4XR3/24-2.2	2.2	3			248	246	244	229	208	181	144	108	59
-	4XR3/32-3	3	4			331	328	325	306	277	242	192	144	78
-	4XR3/40-4	4	5.5			414	410	406	382	346	302	240	180	98

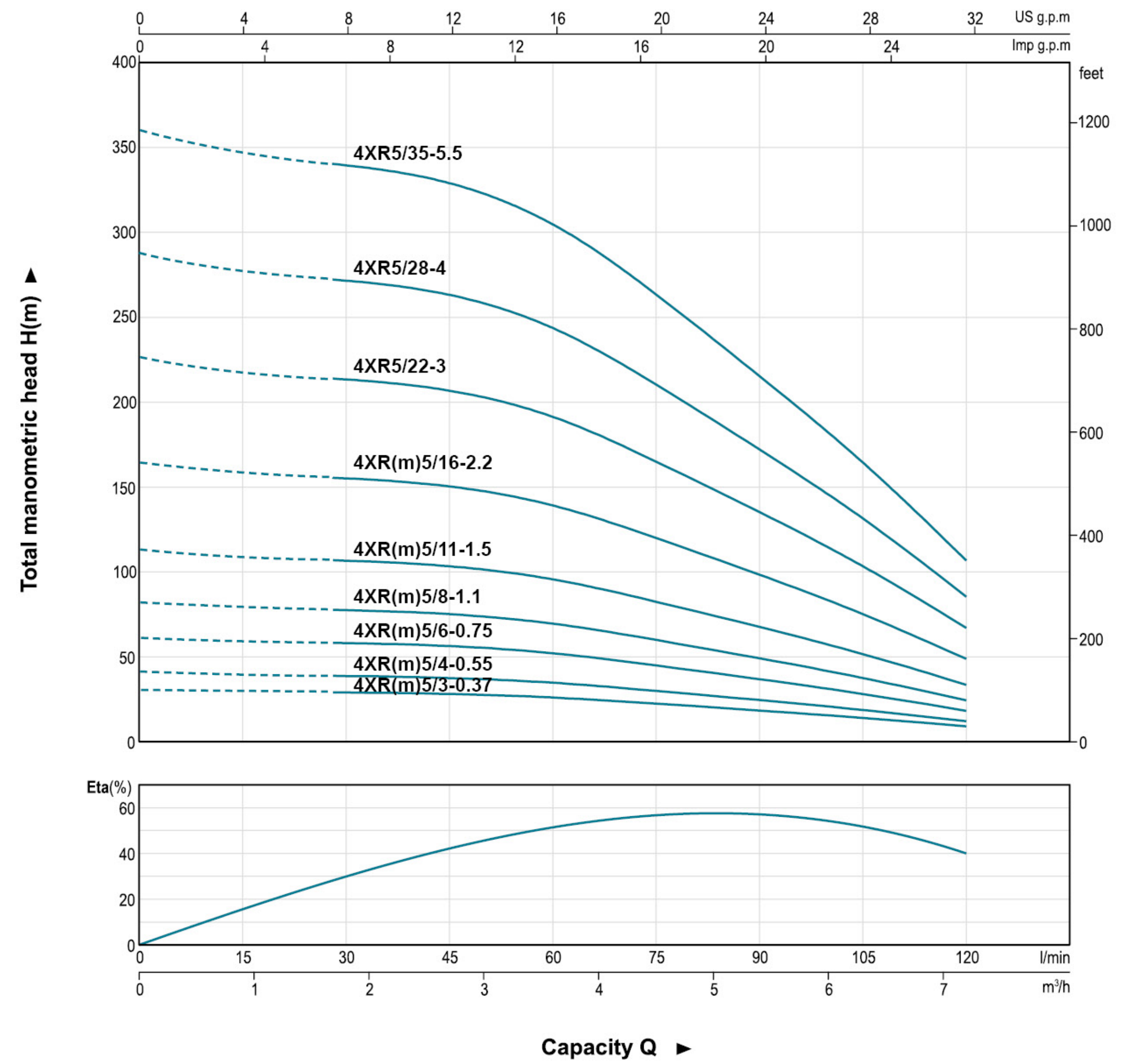
4XR 4



Technical Data

MODEL		P2		DELIVERY												n≈3450 1/min
1~ 110V/220V	3~ 220V/380V	KW	HP	Q	m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
					l/min	0	10	20	30	40	50	60	70	80	90	100
4XRm4/4-0.37	4XR4/4-0.37	0.37	0.5	H(m)		42	42	40	40	38	36	32	28	23	17	11
4XRm4/5-0.55	4XR4/5-0.55	0.55	0.75			53	52	51	50	48	44	39	34	28	21	13
4XRm4/7-0.75	4XR4/7-0.75	0.75	1			74	73	71	70	67	62	55	48	40	30	19
4XRm4/10-1.1	4XR4/10-1.1	1.1	1.5			106	104	101	100	96	89	79	69	57	42	27
4XRm4/13-1.5	4XR4/13-1.5	1.5	2			137	136	131	130	124	116	103	90	74	55	35
4XRm4/18-2.2	4XR4/18-2.2	2.2	3			190	188	182	180	172	160	142	124	102	76	48
-	4XR4/24-3	3	4			253	251	243	240	229	213	189	165	136	101	64
-	4XR4/31-4	4	5.5			327	324	313	310	296	276	245	214	176	131	83
-	4XR4/39-5.5	5.5	7.5			412	407	394	390	373	347	308	269	221	165	104

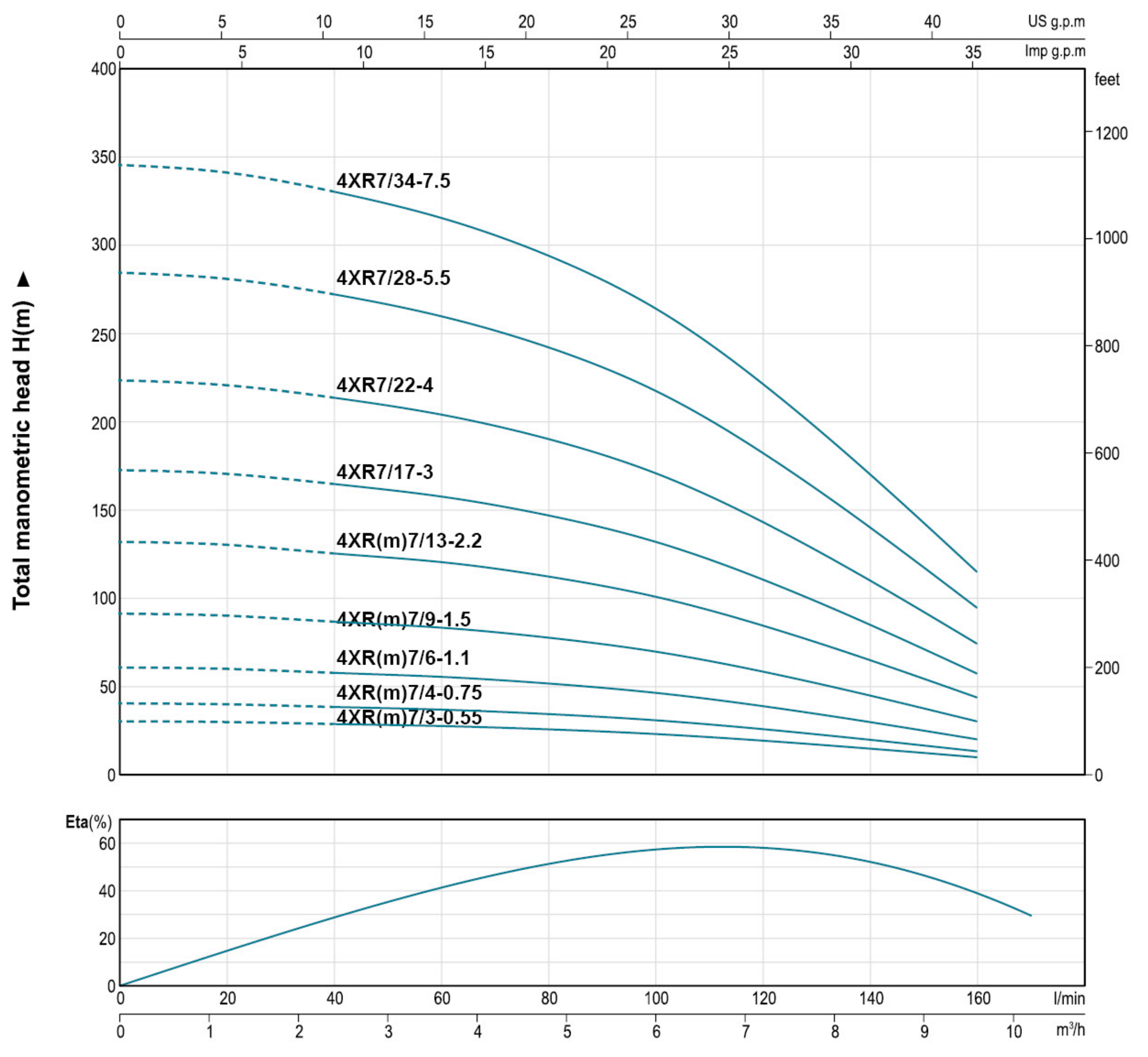
4XR 5



Technical Data

MODEL		P2		DELIVERY										n≈3450 1/min
1~ 110V/220V	3~ 220V/380V	KW	HP	Q	m³/h	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2
					l/min	0	15	30	45	60	75	90	105	120
4XRm5/3-0.37	4XR5/3-0.37	0.37	0.5	H(m)		32	30	29	28	26	23	18	14	9
4XRm5/4-0.55	4XR5/4-0.55	0.55	0.75			42	40	39	38	35	30	25	19	12
4XRm5/6-0.75	4XR5/6-0.75	0.75	1			63	60	58	56	52	45	37	28	18
4XRm5/8-1.1	4XR5/8-1.1	1.1	1.5			84	80	78	75	70	60	49	38	24
4XRm5/11-1.5	4XR5/11-1.5	1.5	2			116	110	107	103	96	83	68	52	34
4XRm5/16-2.2	4XR5/16-2.2	2.2	3			168	160	155	150	139	120	98	75	49
-	4XR5/22-3	3	4			231	220	214	207	192	165	135	104	67
-	4XR5/28-4	4	5.5			294	280	272	263	244	210	172	132	86
-	4XR5/35-5.5	5.5	7.5			368	350	340	329	305	263	215	165	107

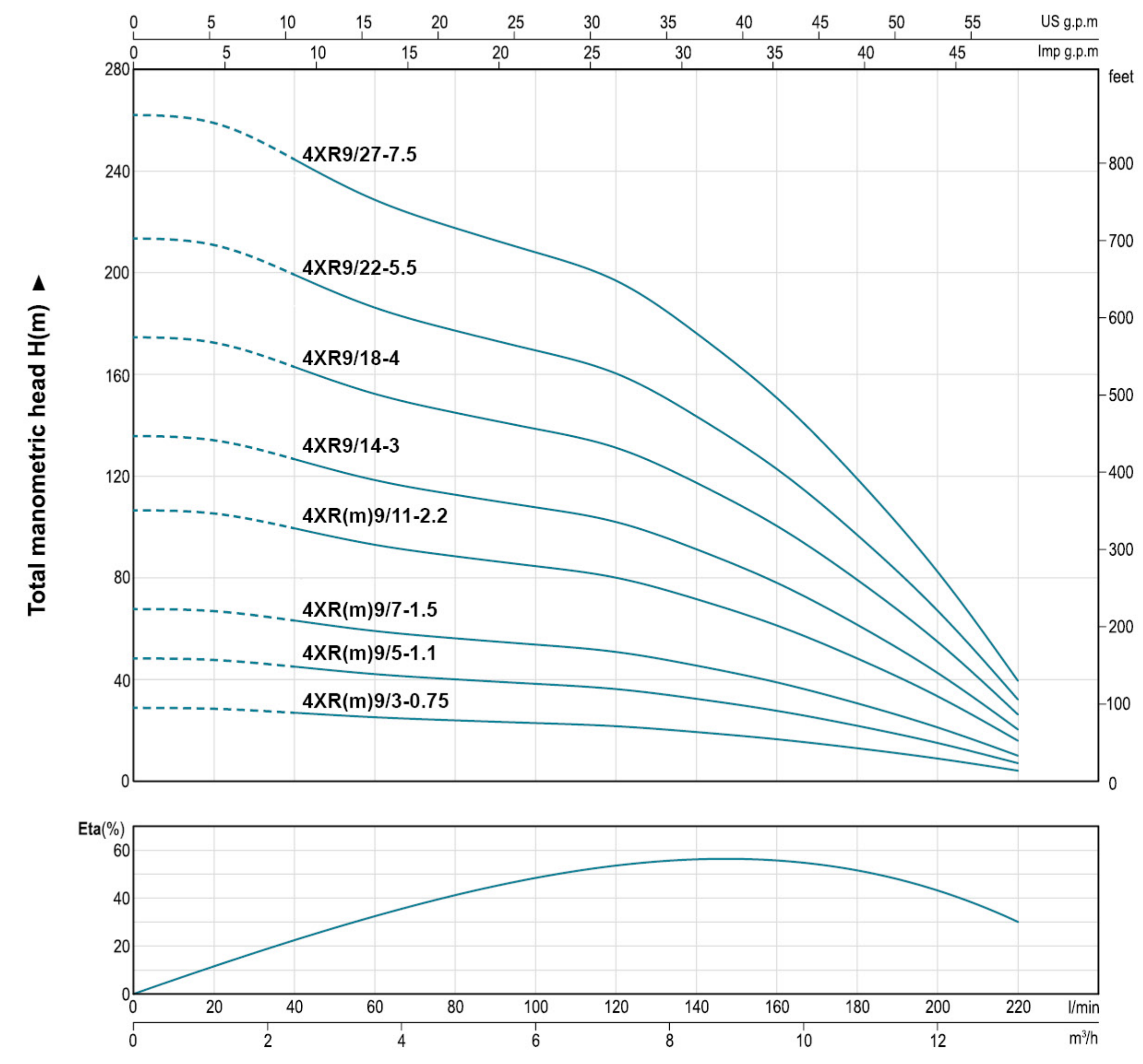
4XR 7



Technical Data

MODEL		P2		DELIVERY										n≈3450 1/min
1~ 110V/220V	3~ 220V/380V	KW	HP	Q	m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6
					l/min	0	20	40	60	80	100	120	140	160
4XRm7/3-0.55	4XR7/3-0.55	0.55	0.75	H(m)		30	30	29	28	26	23	20	15	10
4XRm7/4-0.75	4XR7/4-0.75	0.75	1			41	40	39	37	35	31	26	20	14
4XRm7/6-1.1	4XR7/6-1.1	1.1	1.5			61	60	58	56	52	47	39	30	20
4XRm7/9-1.5	4XR7/9-1.5	1.5	2			91	90	87	83	78	70	59	45	30
4XRm7/13-2.2	4XR7/13-2.2	2.2	3			132	130	125	120	112	101	85	65	44
-	4XR7/17-3	3	4			172	170	164	157	147	132	111	85	57
-	4XR7/22-4	4	5.5			223	220	212	204	190	171	143	110	74
-	4XR7/28-5.5	5.5	7.5			284	280	270	259	242	217	182	140	95
-	4XR7/34-7.5	7.5	10			344	340	327	315	293	264	221	170	115

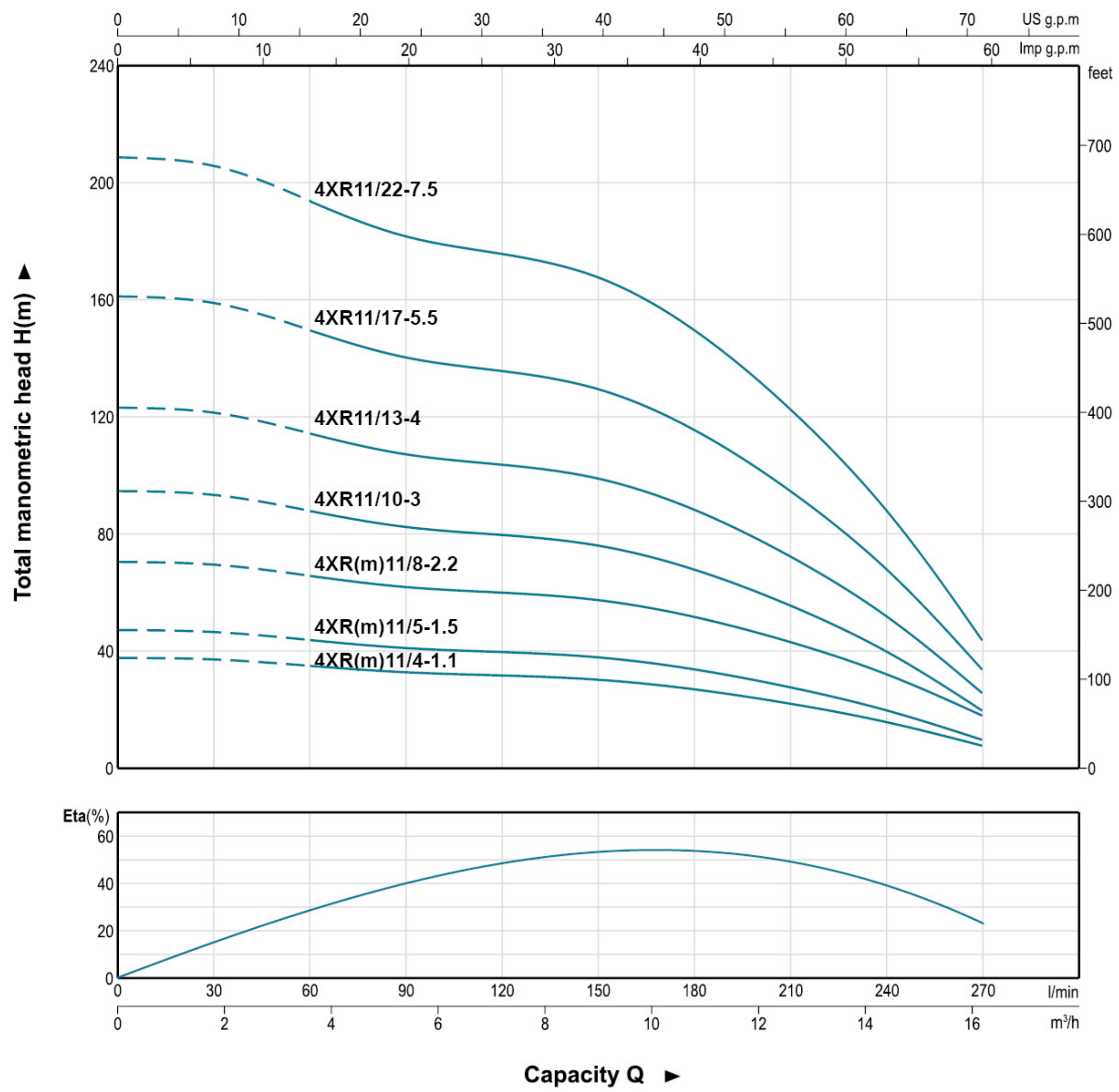
4XR 9



Technical Data

MODEL		P2		DELIVERY													n≈3450 1/min
1~ 110V/220V	3~ 220V/380V	KW	HP	Q	m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2
					l/min	0	20	40	60	80	100	120	140	160	180	200	220
4XRm9/3-0.75	4XR9/3-0.75	0.75	1	H(m)		29	29	27	25	24	23	22	20	17	13	9	4
4XRm9/5-1.1	4XR9/5-1.1	1.1	1.5			49	48	45	42	40	39	36	33	28	22	15	7
4XRm9/7-1.5	4XR9/7-1.5	1.5	2			68	67	64	59	57	54	51	46	39	31	22	10
4XRm9/11-2.2	4XR9/11-2.2	2.2	3			107	106	100	93	89	85	80	72	62	48	34	16
-	4XR9/14-3	3	4			136	134	127	119	113	108	102	91	78	62	43	21
-	4XR9/18-4	4	5.5			175	173	163	153	145	139	131	117	101	79	55	27
-	4XR9/22-5.5	5.5	7.5			213	211	200	187	178	169	161	143	123	97	68	33
-	4XR9/27-7.5	7.5	10			262	259	245	229	218	208	197	176	151	119	83	40

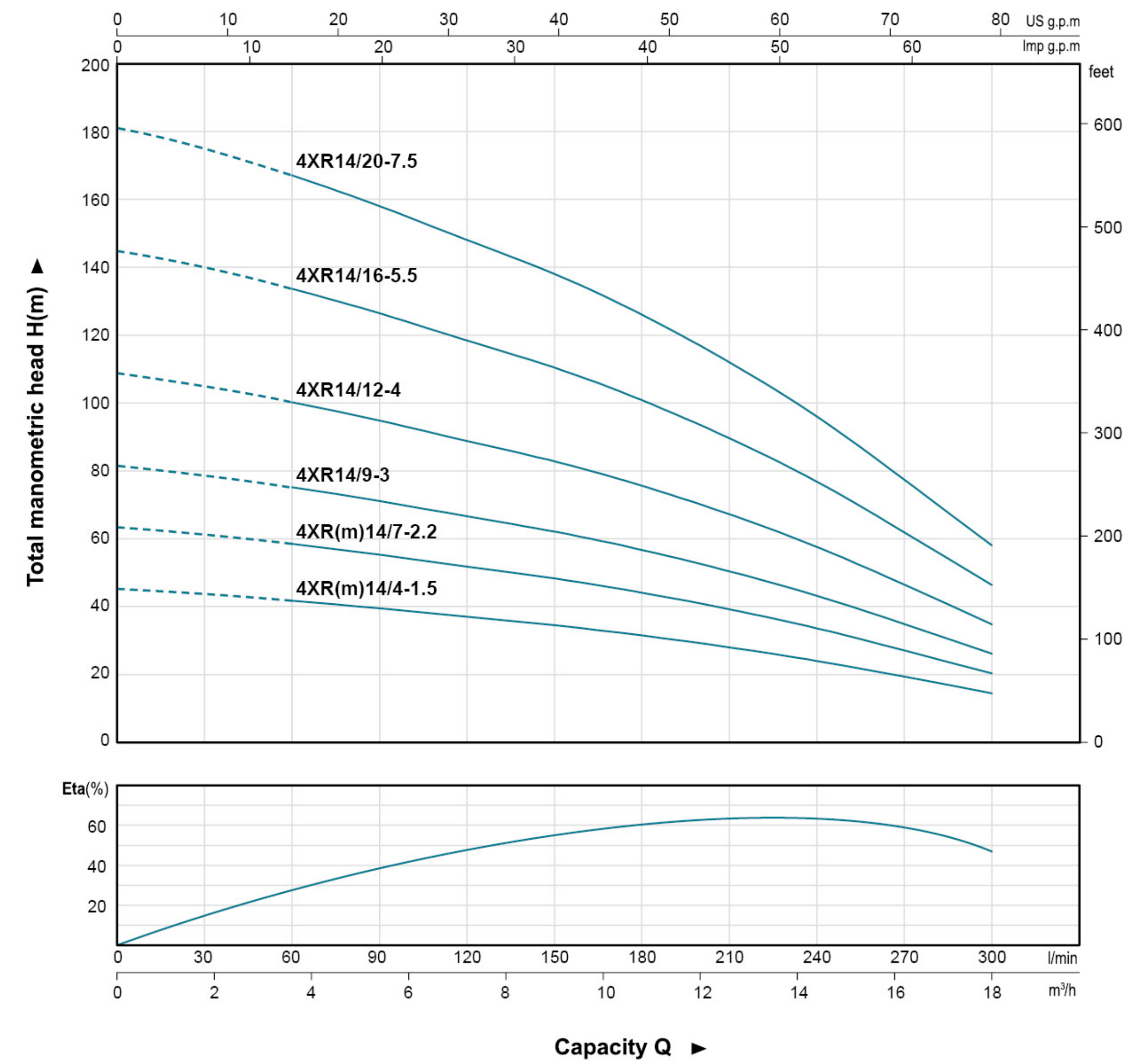
4XR 11



Technical Data

MODEL		P2		DELIVERY											n≈3450 1/min
1~ 110V/220V	3~ 220V/380V	KW	HP	Q	m³/h	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2
					l/min	0	30	60	90	120	150	180	210	240	270
4XRm11/4-1.1	4XR11/4-1.1	1.1	1.5	H(m)		38	38	35	33	32	31	27	22	16	8
4XRm11/5-1.5	4XR11/5-1.5	1.5	2			48	47	44	41	40	38	34	28	20	10
4XRm11/8-2.2	4XR11/8-2.2	2.2	3			76	75	71	66	64	61	55	45	32	16
-	4XR11/10-3	3	4			95	94	88	83	80	76	68	56	40	20
-	4XR11/13-4	4	5.5			124	122	115	108	104	99	89	73	53	26
-	4XR11/17-5.5	5.5	7.5			162	160	150	141	136	130	116	95	69	34
-	4XR11/22-7.5	7.5	10			209	207	194	182	176	168	150	123	89	44

4XR 14

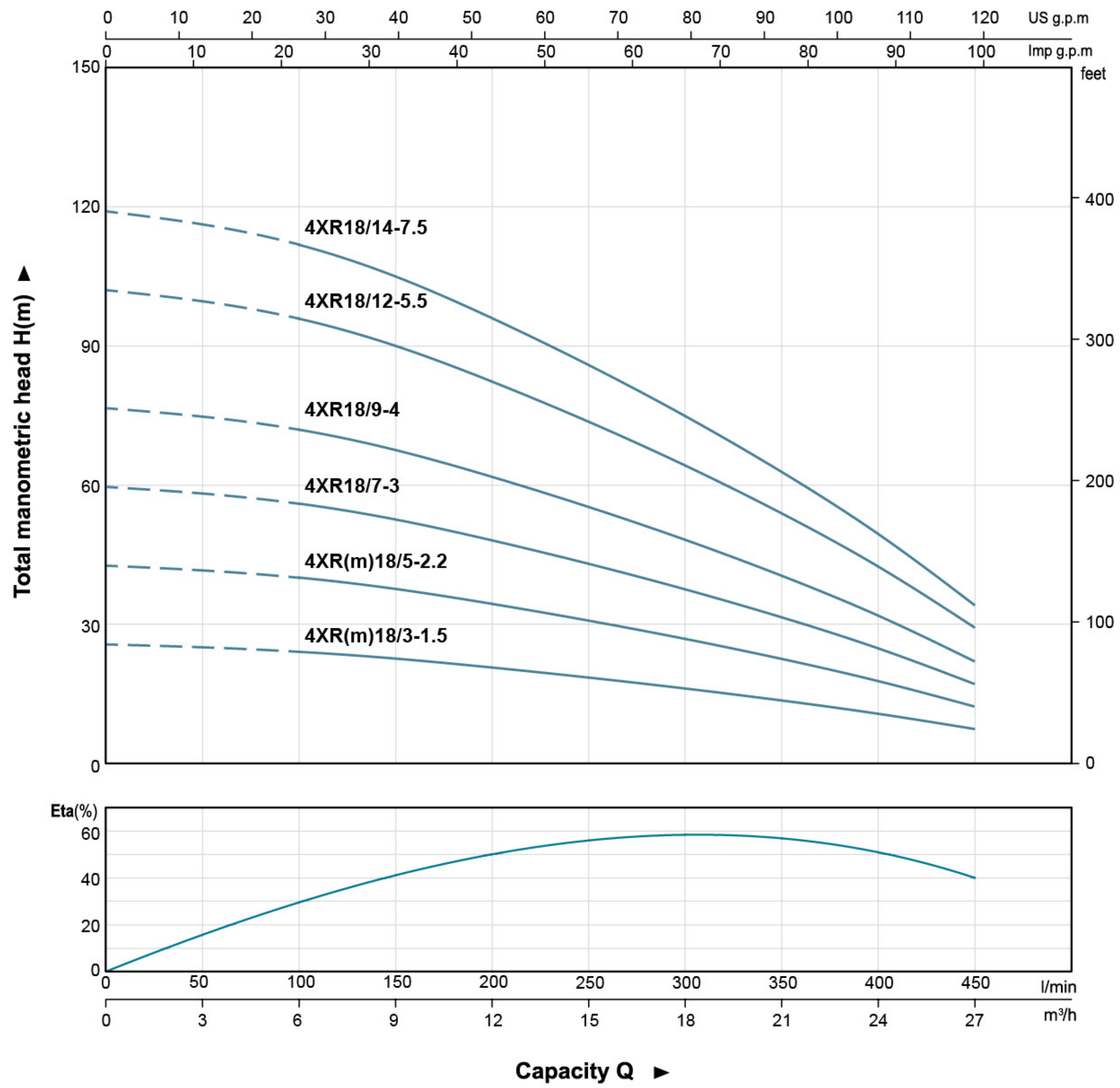


Technical Data

MODEL		P2		DELIVERY										n≈3450 1/min
1~ 110V/220V	3~ 220V/380V	KW	HP	Q	m³/h	0	2.4	4.8	7.2	9.6	12	14.4	16.8	19.2
					l/min	0	40	80	120	160	200	240	280	320
4XRm14/4-1.5	4XR14/4-1.5	1.5	2	H(m)		36	34	32	30	27	24	21	16	12
4XRm14/7-2.2	4XR14/7-2.2	2.2	3			63	60	57	52	47	42	36	29	20
-	4XR14/9-3	3	4			81	77	73	67	61	54	46	37	26
-	4XR14/12-4	4	5.5			109	103	97	89	81	73	62	49	35
-	4XR14/16-5.5	5.5	7.5			145	138	130	119	108	97	82	66	46
-	4XR14/20-7.5	7.5	10			181	172	162	149	135	121	103	82	58

LEPONO® LEO®

4XR 18



Technical Data

MODEL		P₂		DELIVERY											n≈3450 1/min
1~ 110V/220V	3~ 220V/380V	KW	HP	Q	m³/h	0	3	6	9	12	15	18	21	24	27
					l/min	0	50	100	150	200	250	300	350	400	450
4XRm18/3-1.5	4XR18/3-1.5	1.5	2	H(m)		25	25	24	22	20	18	16	13	11	7
4XRm18/5-2.2	4XR18/5-2.2	2.2	3			42	41	41	37	34	30	26	22	18	12
-	4XR18/7-3	3	4			59	58	57	52	48	42	36	31	25	17
-	4XR18/9-4	4	5.5			76	75	73	67	61	54	47	40	32	22
-	4XR18/12-5.5	5.5	7.5			101	99	98	89	81	72	63	53	43	29
-	4XR18/14-7.5	7.5	10			118	116	114	104	95	84	73	62	50	34

4XRS

Applications

- For water supply from wells or reservoirs
- For domestic use,for civil and industrial applications
- For garden use and irrigation

Operating Conditions

- Maximum fluid temperature up to +50℃
- Maximum sand content: 0.25%
- Maximum immersion: 80 m
- Minimum well diameter: 4"

Motor and Pump

- Rewindable motor or full obturated screen motor
- **Three-phase:** 220V - 380V/60Hz
- **Single-phase:** 110V - 220V/60Hz
- Equip with start control box or digital auto-control box
- **NEMA** dimension standards
- Curve tolerance according to ISO 9906

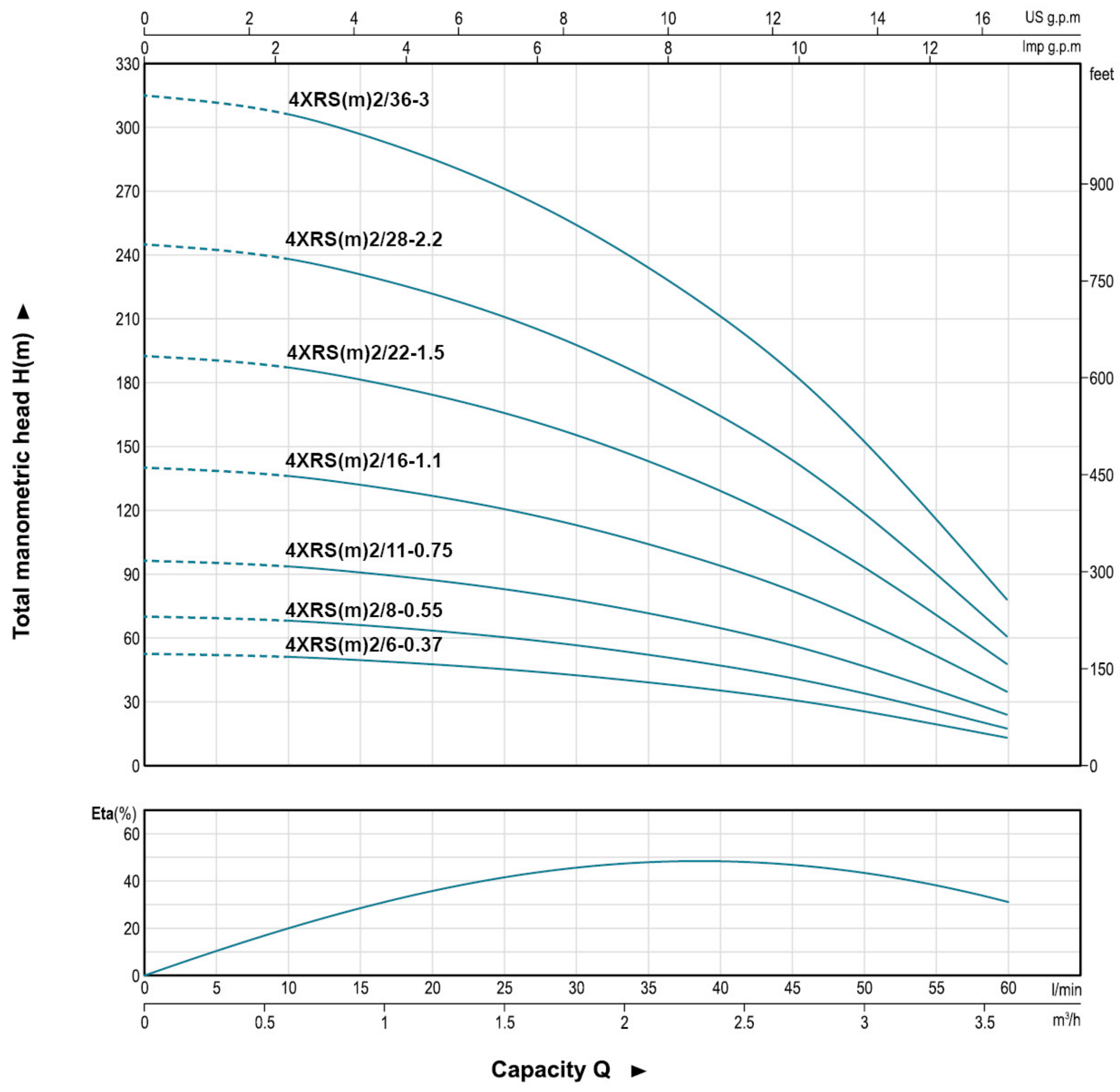
Components	Material
Pump external casing	①AISI 304 SS ②AISI 316 SS
Delivery casing	①AISI 304 SS ②AISI 316 SS
Suction lantern	①AISI 304 SS ②AISI 316 SS
Diffuser	①AISI 304 SS ②AISI 316 SS
Impeller	①AISI 304 SS ②AISI 316 SS
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	Rubber
Motor external casing	AISI 304 SS
Top chock	①Cast-Cu ASTM C85500 ②AISI 420 SS
	③Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 304 SS-ASTM 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

4 XRS m 2 / 6–0.37

- 0.37 — Rated Power (kW)
- 6 — Impeller Stage
- 2 — Rated Flow (m³/h)
- m — Single-phase Motor
- XRS — Submersible Borehole Pump
- 4 — Min.Well Diameter: 4"

XRS

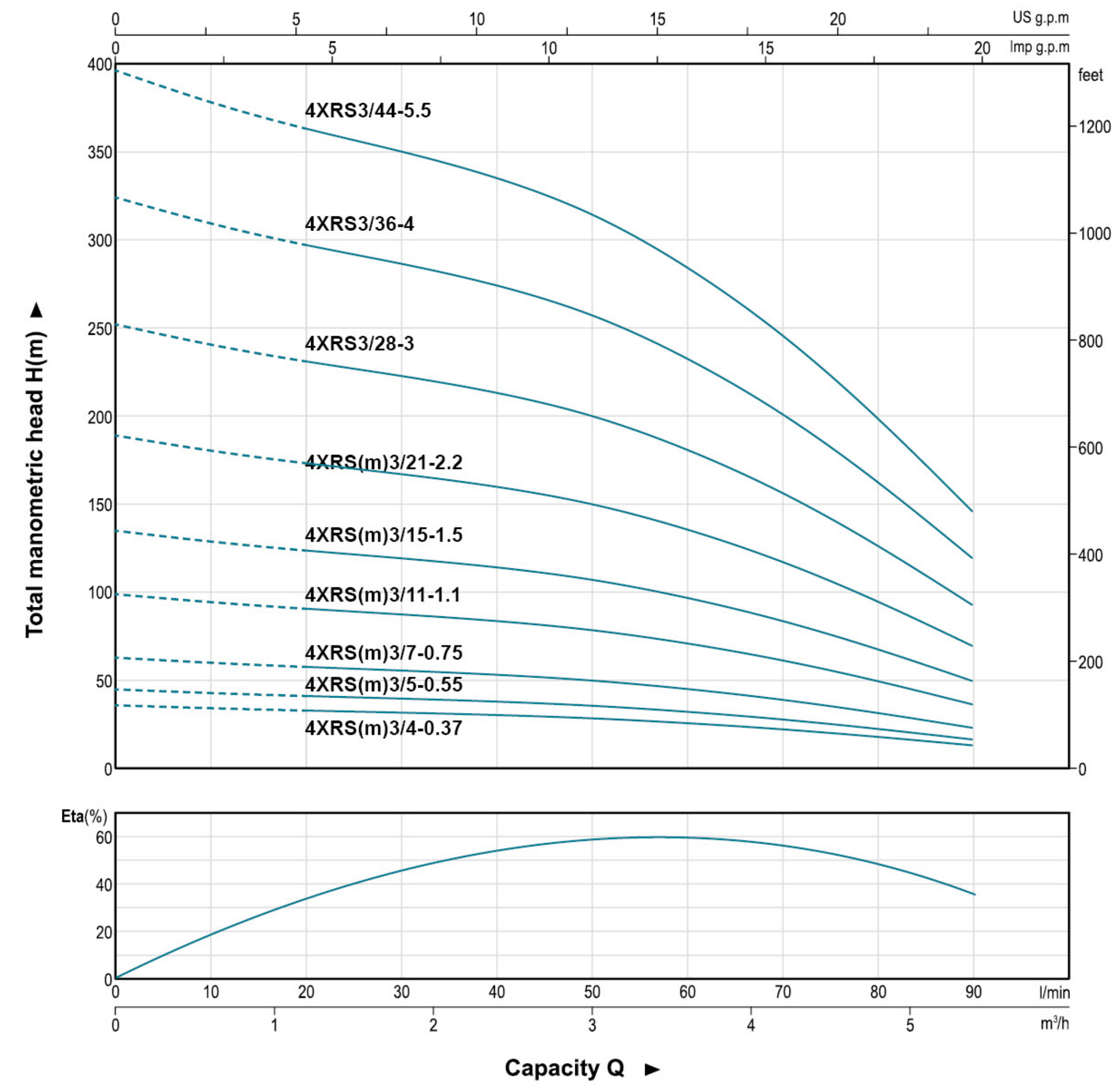
4XRS 2



Technical Data

MODEL		P2		DELIVERY										n≈3450 1/min				
1~ 110V/220V	3~ 220V/380V	KW	HP	Q	m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6
					l/min	0	5	10	15	20	25	30	35	40	45	50	55	60
4XRSm2/6-0.37	4XRS2/6-0.37	0.37	0.5			52	52	51	49	47	45	42	38	35	30	25	18	12
4XRSm2/8-0.55	4XRS2/8-0.55	0.55	0.75			70	69	68	66	63	60	56	52	47	42	34	26	17
4XRSm2/11-0.75	4XRS2/11-0.75	0.75	1			96	95	93	90	87	83	77	71	65	57	47	35	24
4XRSm2/16-1.1	4XRS2/16-1.1	1.1	1.5	H(m)		140	138	136	131	127	121	112	104	95	83	69	51	34
4XRSm2/22-1.5	4XRS2/22-1.5	1.5	2			193	190	187	180	174	166	154	143	130	114	94	70	47
4XRSm2/28-2.2	4XRS2/28-2.2	2.2	3			245	242	238	230	222	211	196	182	166	146	120	90	60
-	4XRS2/36-3	3	4			315	311	306	295	285	271	252	234	213	187	154	115	78

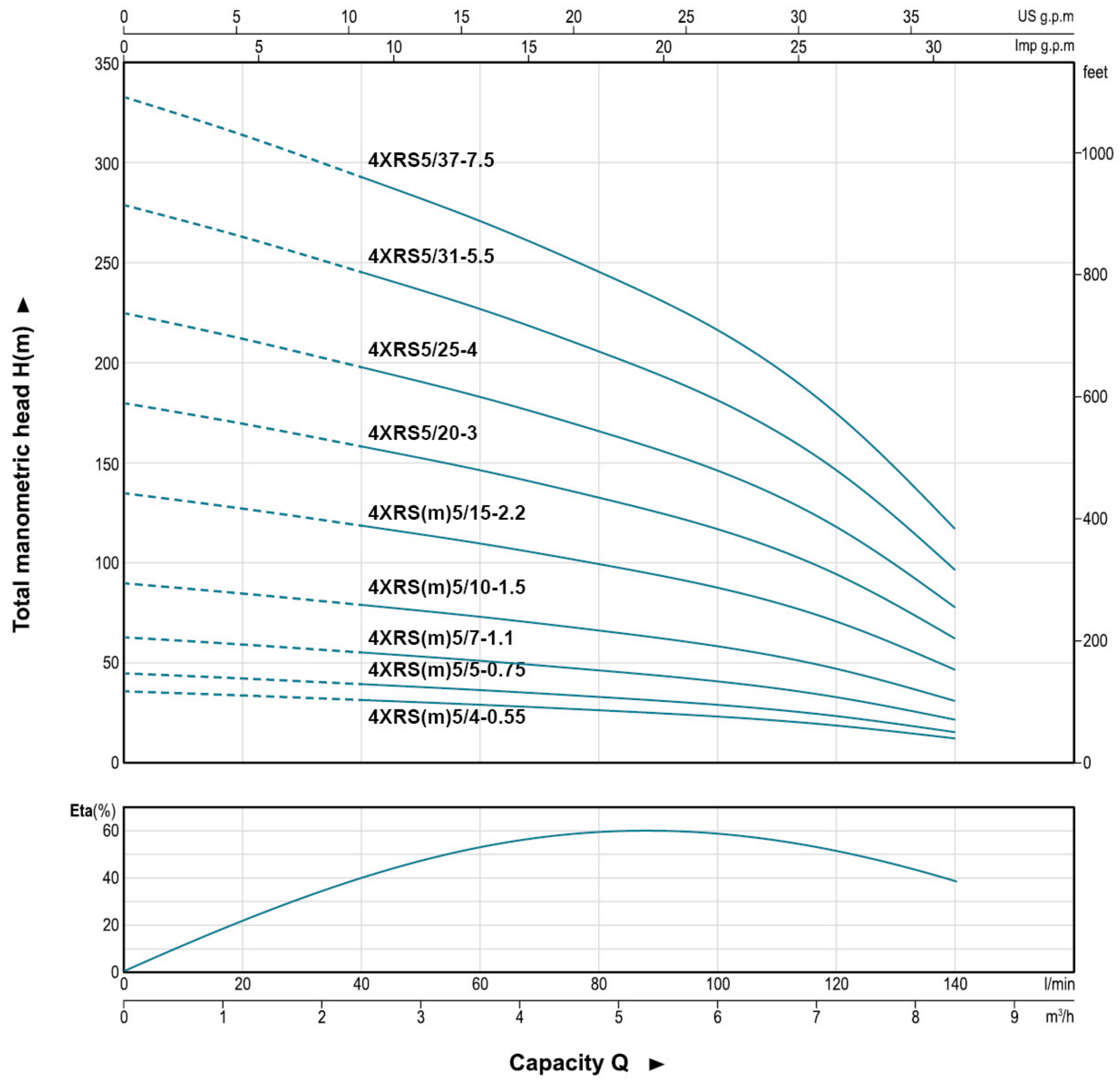
4XRS 3



Technical Data

MODEL		P2		DELIVERY									n≈3450 1/min	
1~ 110V/220V	3~ 220V/380V	KW	HP	Q	m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4
					l/min	0	10	20	30	40	50	60	70	80	90
4XRSm3/4-0.37	4XRS3/4-0.37	0.37	0.5			37	35	33	32	30	29	26	23	18	13
4XRSm3/5-0.55	4XRS3/5-0.55	0.55	0.75			46	44	42	41	39	36	33	29	23	17
4XRSm3/7-0.75	4XRS3/7-0.75	0.75	1			64	61	58	56	53	50	45	39	31	23
4XRSm3/11-1.1	4XRS3/11-1.1	1.1	1.5			100	95	91	88	84	79	71	62	50	37
4XRSm3/15-1.5	4XRS3/15-1.5	1.5	2	H(m)		135	129	124	119	114	107	96	84	68	50
4XRSm3/21-2.2	4XRS3/21-2.2	2.2	3			189	180	173	167	160	150	135	117	95	70
-	4XRS3/28-3	3	4			252	241	231	223	213	200	180	157	127	93
-	4XRS3/36-4	4	5.5			324	309	297	286	274	257	232	201	163	119
-	4XRS3/44-5.5	5.5	7.5			396	378	363	350	335	314	283	246	199	146

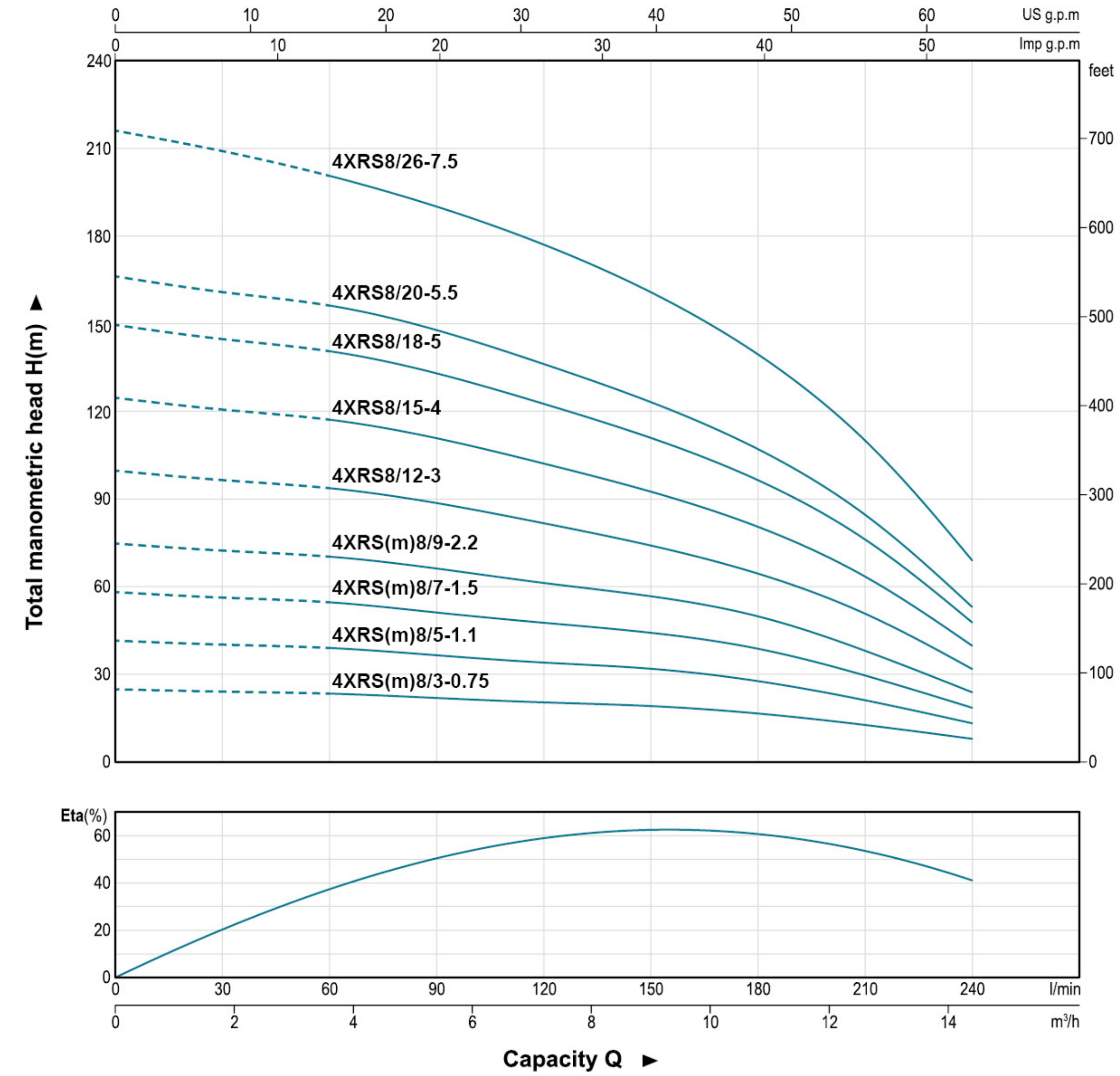
4XRS 5



Technical Data

MODEL		P2		DELIVERY									n≈3450 1/min
1~ 110V/220V	3~ 220V/380V	KW	HP	Q	m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4
					l/min	0	20	40	60	80	100	120	140
4XRSm5/4-0.55	4XRS5/4-0.55	0.55	0.75			36	34	32	29	27	23	19	12
4XRSm5/5-0.75	4XRS5/5-0.75	0.75	1			45	42	40	36	34	29	24	16
4XRSm5/7-1.1	4XRS5/7-1.1	1.1	1.5			63	59	55	51	47	41	33	22
4XRSm5/10-1.5	4XRS5/10-1.5	1.5	2			90	85	79	73	68	59	47	31
4XRSm5/15-2.2	4XRS5/15-2.2	2.2	3	H(m)		135	127	119	110	101	88	71	47
-	4XRS5/20-3	3	4			180	170	158	146	134	117	95	62
-	4XRS5/25-4	4	5.5			225	212	198	183	168	146	118	78
-	4XRS5/31-5.5	5.5	7.5			279	263	245	227	208	181	147	97
-	4XRS5/37-7.5	7.5	10			333	314	293	271	248	217	175	116

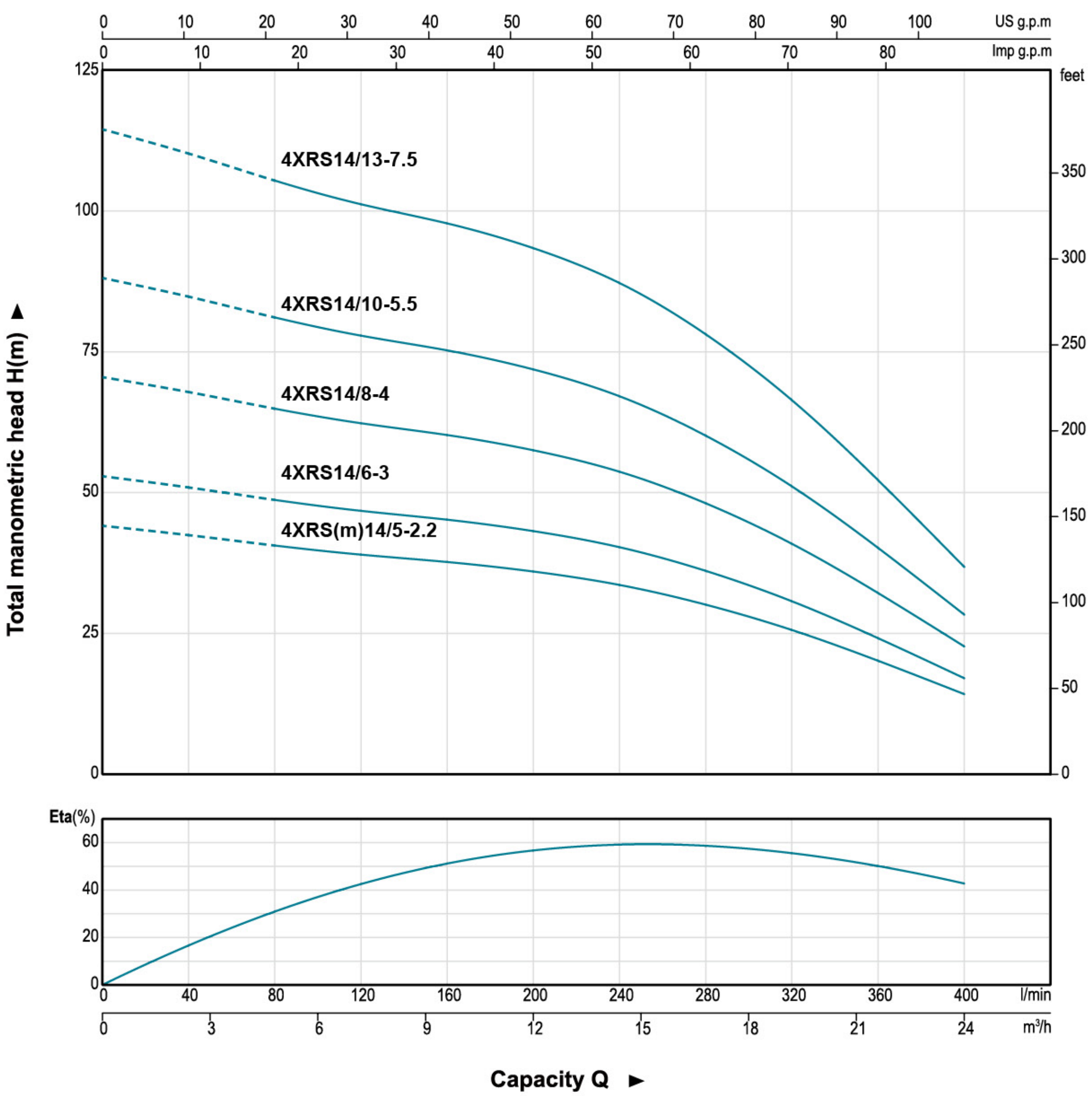
4XRS 8



Technical Data

MODEL		P2		DELIVERY										n≈3450 1/min
1~ 110V/220V	3~ 220V/380V	KW	HP	Q	m³/h	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4
					l/min	0	30	60	90	120	150	180	210	240
4XRSm8/3-0.75	4XRS8/3-0.75	0.75	1			25	24	23	22	20	19	17	13	8
4XRSm8/5-1.1	4XRS8/5-1.1	1.1	1.5			42	40	39	37	34	32	28	21	13
4XRSm8/7-1.5	4XRS8/7-1.5	1.5	2			58	56	55	51	48	45	39	30	19
4XRSm8/9-2.2	4XRS8/9-2.2	2.2	3			75	72	70	66	61	57	50	38	24
-	4XRS8/12-3	3	4	H(m)		100	96	94	88	82	77	66	51	32
-	4XRS8/15-4	4	5.5			125	121	117	110	102	96	83	63	40
-	4XRS8/18-5	5	7			150	145	141	132	123	115	100	76	48
-	4XRS8/20-5.5	5.5	7.5			166	161	156	146	136	128	111	85	53
-	4XRS8/26-7.5	7.5	10			216	209	203	190	177	166	144	110	69

4XRS 14



Technical Data

MODEL		P₂		DELIVERY												n≈3450 1/min
1~ 110V/220V	3~ 220V/380V	KW	HP	Q	m^3/h	0	2.4	4.8	7.2	9.6	12	14.4	16.8	19.2	21.6	24
					l/min	0	40	80	120	160	200	240	280	320	360	400
4XRSm14/5-2.2	4XRS14/5-2.2	2.2	3	H(m)		44	43	40	39	37	36	33	30	25	20	14
-	4XRS14/6-3	3	4			53	51	48	47	45	43	40	36	30	24	17
-	4XRS14/8-4	4	5.5			71	68	65	62	60	57	53	48	41	32	23
-	4XRS14/10-5.5	5.5	7.5			88	85	81	78	75	72	67	60	51	40	28
-	4XRS14/13-7.5	7.5	10			114	111	105	101	98	94	87	78	66	52	37

6XRS

Applications

- For water supply from wells or reservoirs
- For domestic use,for civil and industrial applications
- For garden use and irrigation

Operating conditions

- Maximum fluid temperature up to +50℃
- Maximum sand content: 0.25%
- Maximum immersion: 100 m
- Minimum well diameter: 6"

Motor and Pump

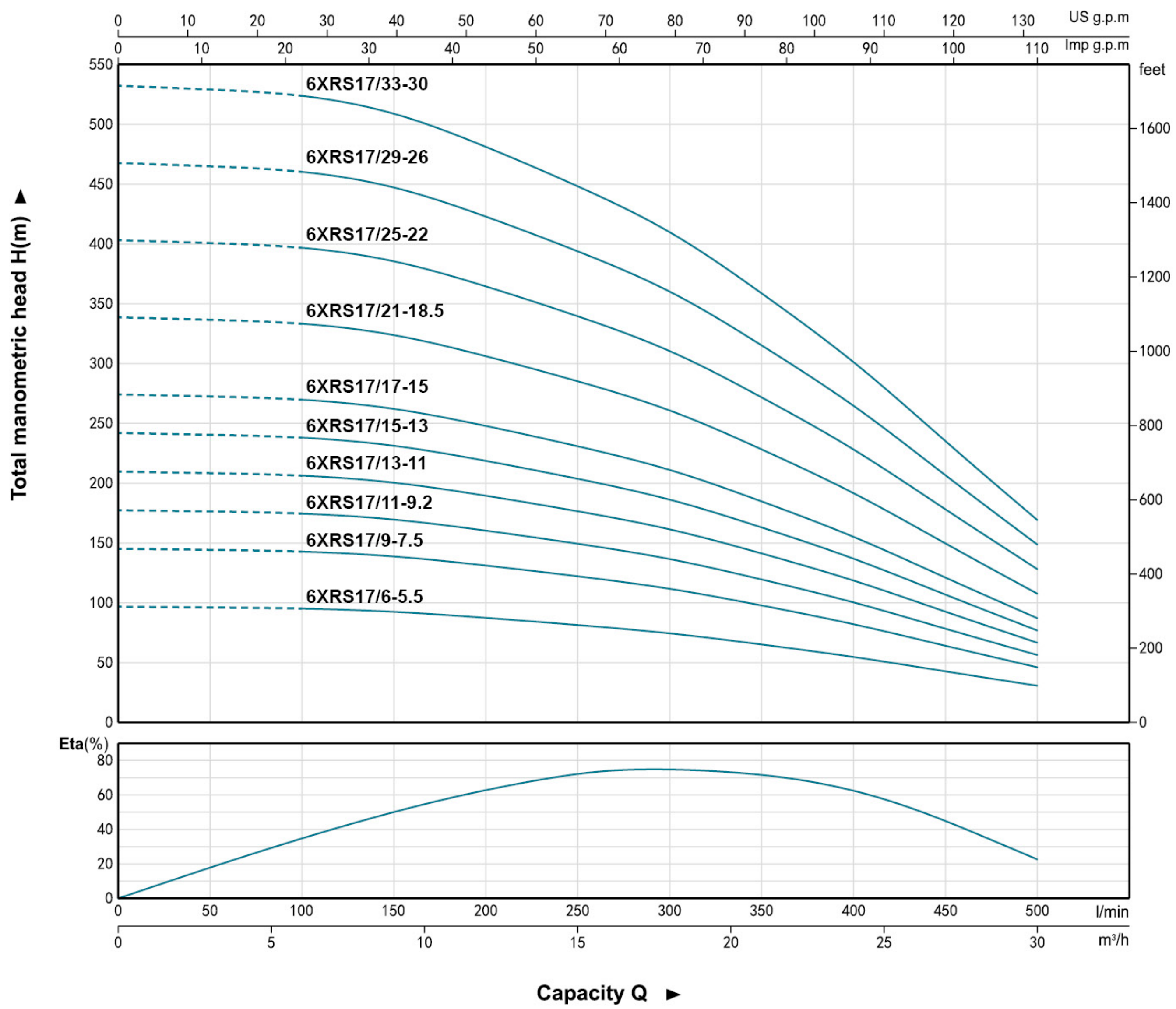
- Rewindable motor
- **Single-Phase:** 220 - 380V/60Hz
  ① Direct start (1 cable)
  ② Star-delta start (2 cable)
- Equip with start control box or digital auto - control box
- **NEMA** dimension standards
- Curve tolerance according to ISO 9906

Components	Material
Delivery casing	AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	AISI 304 SS
Impeller	AISI 304 SS
Shaft	AISI 431 SS
Shaft coupling	AISI 304 SS
Wear ring	Rubber
Motor external casing	AISI 304 SS
Top chock	Cast-iron ASTM N0.30
Bottom support	Cast-iron ASTM N0.30
Seal	NBR Graphite-SIC/TC
Shaft	AISI 304 SS-ASTM 5140
Bearing	C&U/NSK

6 XRS (m) 17/4 – 2.2

- Rated Power (kW)
- Impeller Stage
- Rated Flow (m^3/h)
- Single-Phase Motor
- Submersible Borehole Pump
- Min.Well Diameter: 6"

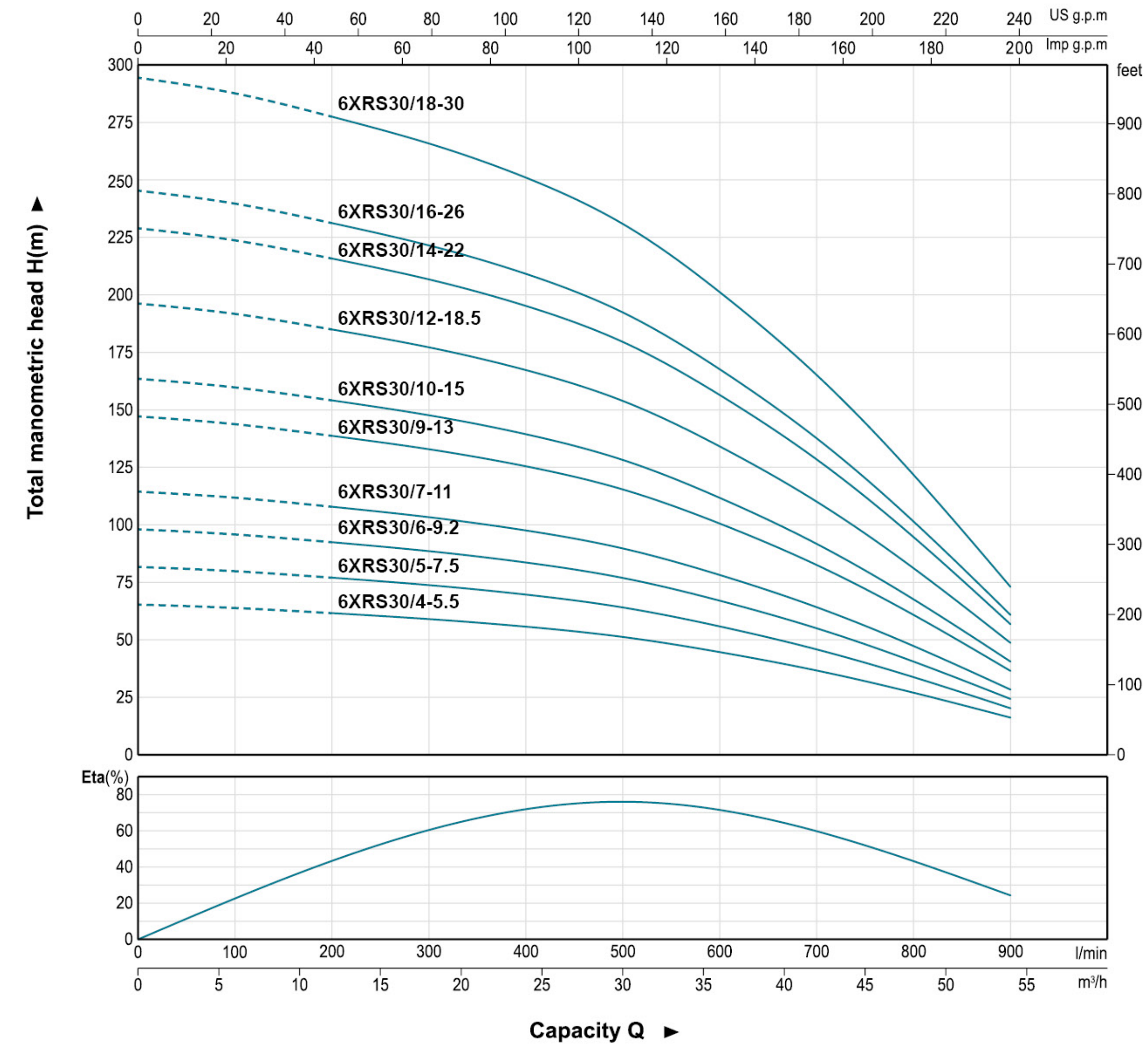
6XRS 17



Technical Data

MODEL	P2		DELIVERY											n≈3450 1/min
3~ 220V/380V	kW	HP	Q m³/h	0	3	6	9	12	15	18	21	24	27	30
			l/min	0	50	100	150	200	250	300	350	400	450	500
6XRS17/6-5.5	5.5	7.5	H(m)	97	96	95	93	87	81	75	65	55	43	31
6XRS17/9-7.5	7.5	10		145	144	143	139	131	122	112	98	82	64	46
6XRS17/11-9.2	9.2	12.5		177	176	175	170	160	149	137	120	100	78	56
6XRS17/13-11	11	15		210	208	206	201	189	176	162	141	119	93	67
6XRS17/15-13	13	17.5		242	240	238	231	219	204	186	163	137	107	77
6XRS17/17-15	15	20		274	273	270	262	248	231	211	185	155	121	87
6XRS17/21-18.5	18.5	25		339	337	333	324	306	285	261	228	192	150	108
6XRS17/25-22	22	30		403	401	397	386	364	339	311	272	228	178	128
6XRS17/29-26	26	35		468	465	460	447	423	394	360	315	265	207	149
6XRS17/33-30	30	40		532	529	524	509	481	448	410	359	301	235	169

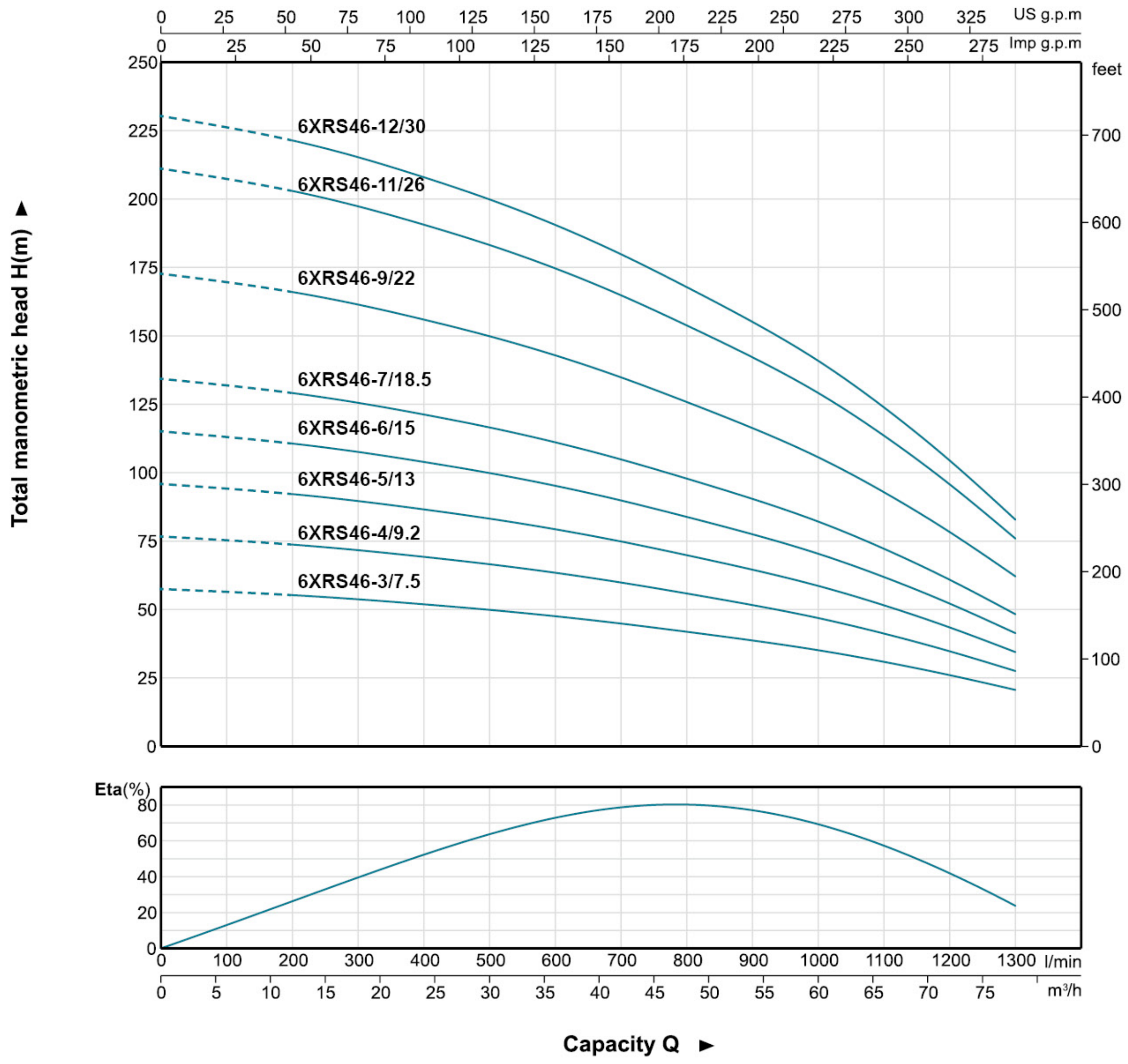
6XRS 30



Technical Data

MODEL	P2		DELIVERY											n≈3450 1/min
3~ 220V/380V	kW	HP	Q m³/h	0	6	12	18	24	30	36	42	48	54
			l/min	0	100	200	300	400	500	600	700	800	900
6XRS30/4-5.5	5.5	7.5	H(m)	65	64	62	59	56	51	45	37	27	16
6XRS30/5-7.5	7.5	10		82	80	77	74	70	64	56	46	34	20
6XRS30/6-9.2	9.2	12.5		98	96	92	89	84	77	67	55	41	24
6XRS30/7-11	11	15		114	112	108	103	98	90	78	64	47	28
6XRS30/9-13	13	17.5		147	144	138	133	125	115	100	82	61	36
6XRS30/10-15	15	20		163	160	154	148	139	128	112	92	68	41
6XRS30/12-18.5	18.5	25		196	192	185	177	167	154	134	110	81	49
6XRS30/14-22	22	30		229	224	215	207	195	180	156	128	95	57
6XRS30/16-26	26	35		261	256	246	236	223	205	179	147	108	65
6XRS30/18-30	30	40		294	288	277	266	251	231	201	165	122	73

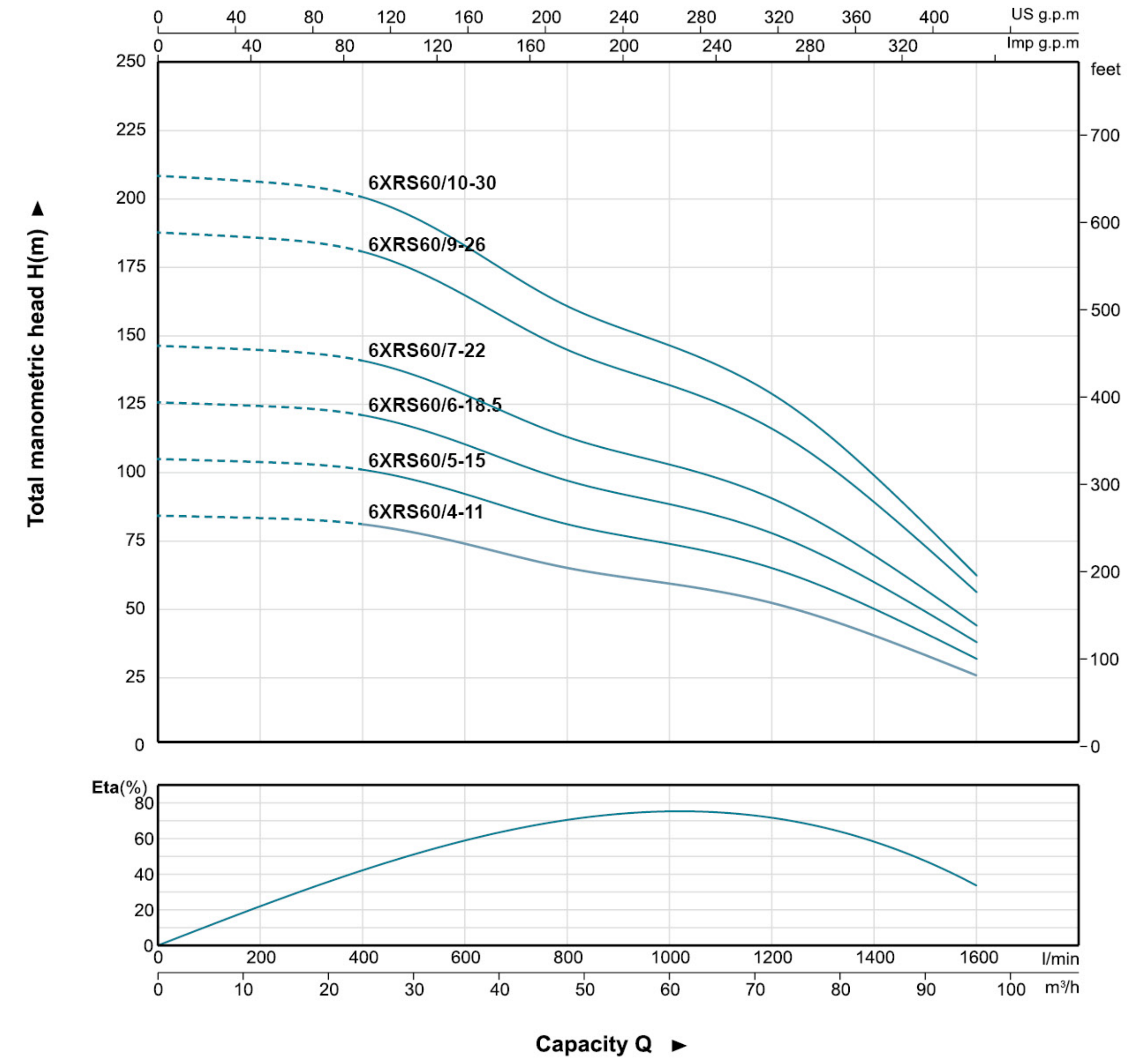
6XRS 46



Technical Data

MODEL	P_2		DELIVERY												n≈3450 1/min			
3~ 220V/380V	kW	HP	Q	m³/h	0	6	12	18	24	30	36	42	48	54	60	66	72	78
				l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300
6XRS46-3/7.5	7.5	10	H(m)		58	56	56	54	52	50	47	44	42	39	35	31	25	20
6XRS46-4/9.2	9.2	12.5			77	75	74	72	69	66	62	59	56	52	47	41	34	27
6XRS46-5/13	13	17.5			96	94	93	90	86	83	78	74	70	65	59	52	42	34
6XRS46-6/15	15	20			116	113	111	108	104	99	93	88	83	77	70	62	51	40
6XRS46-7/18.5	18.5	25			135	131	130	126	121	116	109	103	97	90	82	72	59	47
6XRS46-9/22	22	30			173	169	167	162	155	149	140	133	125	116	106	93	76	61
6XRS46-11/26	26	35			212	206	204	198	190	182	171	162	153	142	129	114	93	74
6XRS46-12/30	30	40			231	225	222	216	207	198	187	177	167	155	141	124	102	81

6XRS 60



Technical Data

MODEL	P_2		DELIVERY							n≈3450 1/min			
3~ 220V/380V	kW	HP	Q	m³/h	0	12	24	36	48	60	72	84	96
				l/min	0	200	400	600	800	1000	1200	1400	1600
6XRS60/4-11	11	15	H(m)		83	82	80	73	64	58	51	39	24
6XRS60/5-15	15	20			104	103	100	91	80	73	64	49	30
6XRS60/6-18.5	18.5	25			125	124	120	109	96	88	77	59	37
6XRS60/7-22	22	30			146	144	140	127	112	102	90	69	43
6XRS60/9-26	26	35			187	185	180	164	144	131	115	88	55
6XRS60/10-30	30	40			208	206	200	182	160	146	128	98	61

6XRP

Applications

- For water supply from wells or reservoirs
- For domestic use,for civil and industrial applications
- For garden use and irrigation

Operating conditions

- Maximum fluid temperature up to +35℃
- Maximum sand content: 0.25%
- Maximum immersion: 100 m
- Minimum well diameter: 6"

Motor and Pump

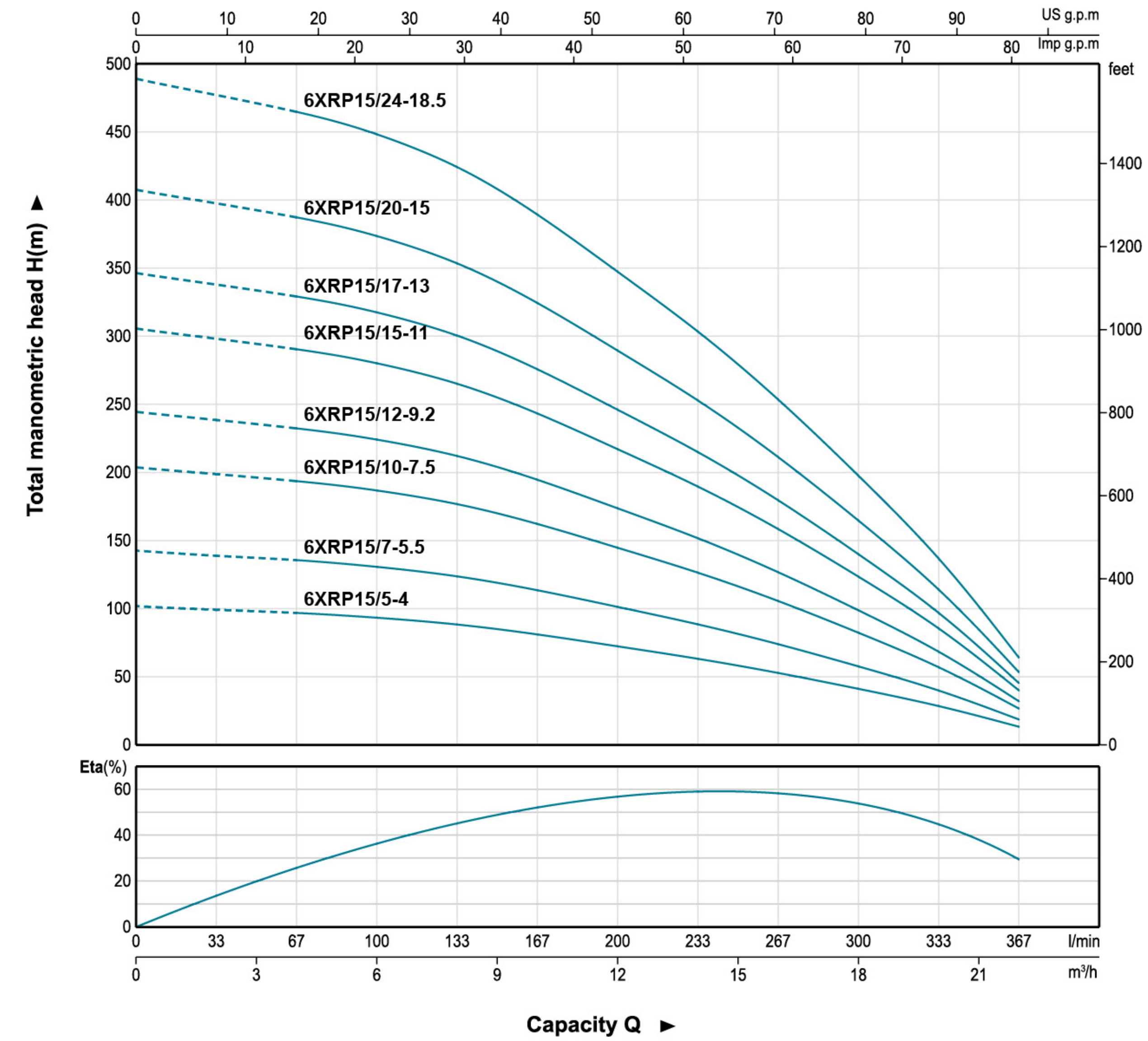
- Rewindable motor
- **Single-Phase:** 220 - 380V/60Hz
  ① Direct start (1 cable)
  ② Star-delta start (2 cable)
- Equip with start control box or digital auto - control box
- **NEMA** dimension standards
- Curve tolerance according to ISO 9906

Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-iron ASTM N0.30
Suction lantern	Cast-iron ASTM N0.30
Diffuser	Plastic.PC & AISI 304 SS
Impeller	Plastic.PC
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	Cast-iron ASTM N0.30
Bottom support	Cast-iron ASTM N0.30
Seal	NBR Graphite-SIC/TC
Shaft	AISI 304 SS-ASTM 5140
Bearing	C&U/NSK

6 XRP (m) 18/4 – 2.2

- 2.2 — Rated Power (kW)
- 4 — Impeller Stage
- 18 — Rated Flow (m^3/h)
- (m) — Single-Phase Motor
- XRP — Submersible Borehole Pump
- 6 — Min.Well Diameter: 6"

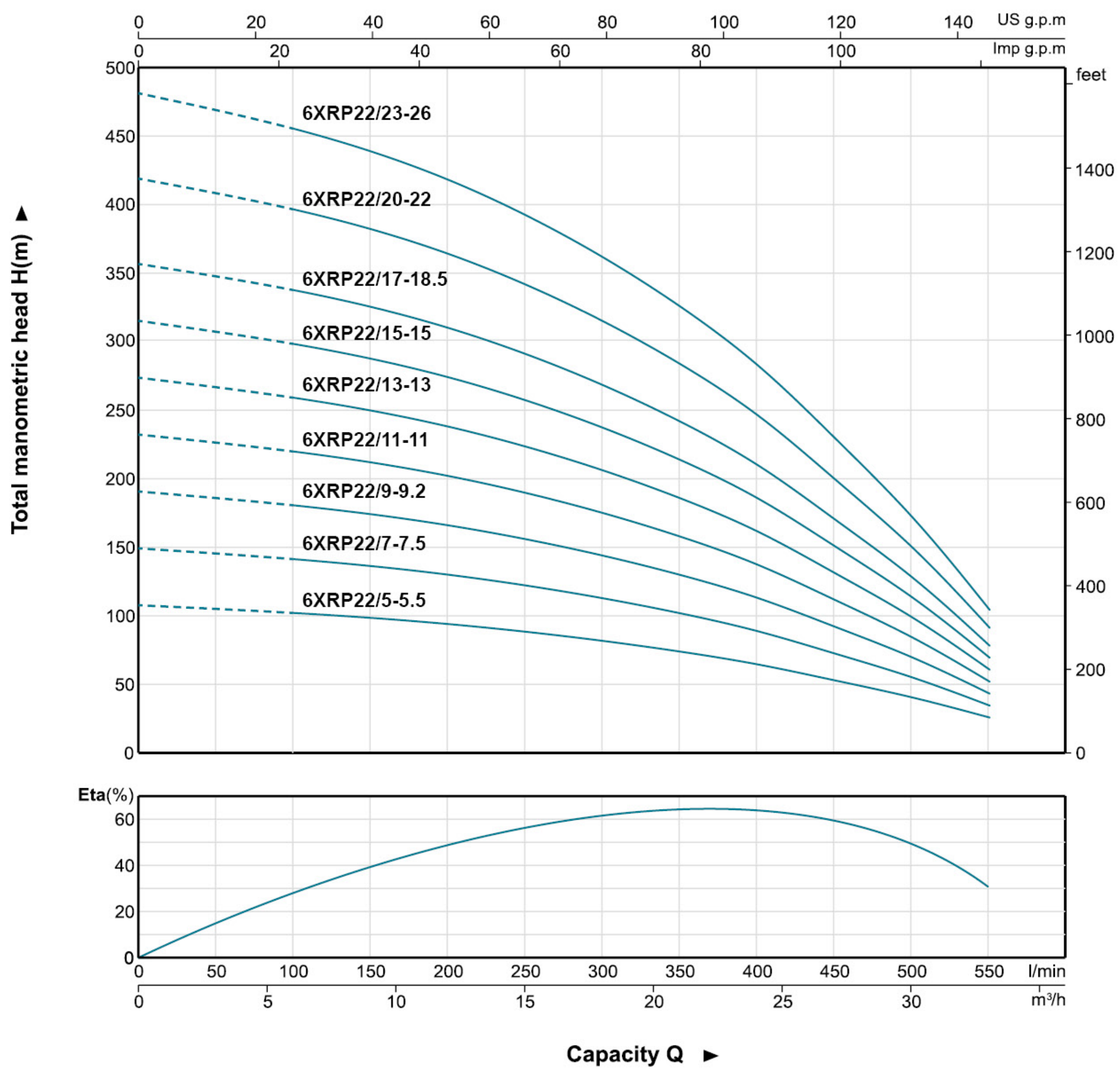
6XRP 15



Technical Data

MODEL	P2		DELIVERY													n≈3450 1/min
3~ 220V/380V	kW	HP	Q	m³/h	0	3	6	9	12	15	18	21	24	27	30	33
				l/min	0	50	100	150	200	250	300	350	400	450	500	550
6XRP15/5-4	4	5.5	H(m)		102	99	97	93	88	81	72	63	53	41	28	13
6XRP15/7-5.5	5.5	7.5			143	139	136	131	124	113	101	88	74	57	40	18
6XRP15/10-7.5	7.5	10			204	198	194	187	177	162	145	126	105	82	57	26
6XRP15/12-9.2	9.2	12.5			245	238	233	224	212	195	174	152	126	98	68	31
6XRP15/15-11	11	15			306	298	291	280	265	243	217	189	158	123	85	39
6XRP15/17-13	13	17.5			346	337	329	317	300	276	246	215	179	140	96	45
6XRP15/20-15	15	20			408	397	388	373	353	324	289	253	211	164	113	52
6XRP15/24-18.5	18.5	25			489	476	465	448	424	389	347	303	253	197	136	63

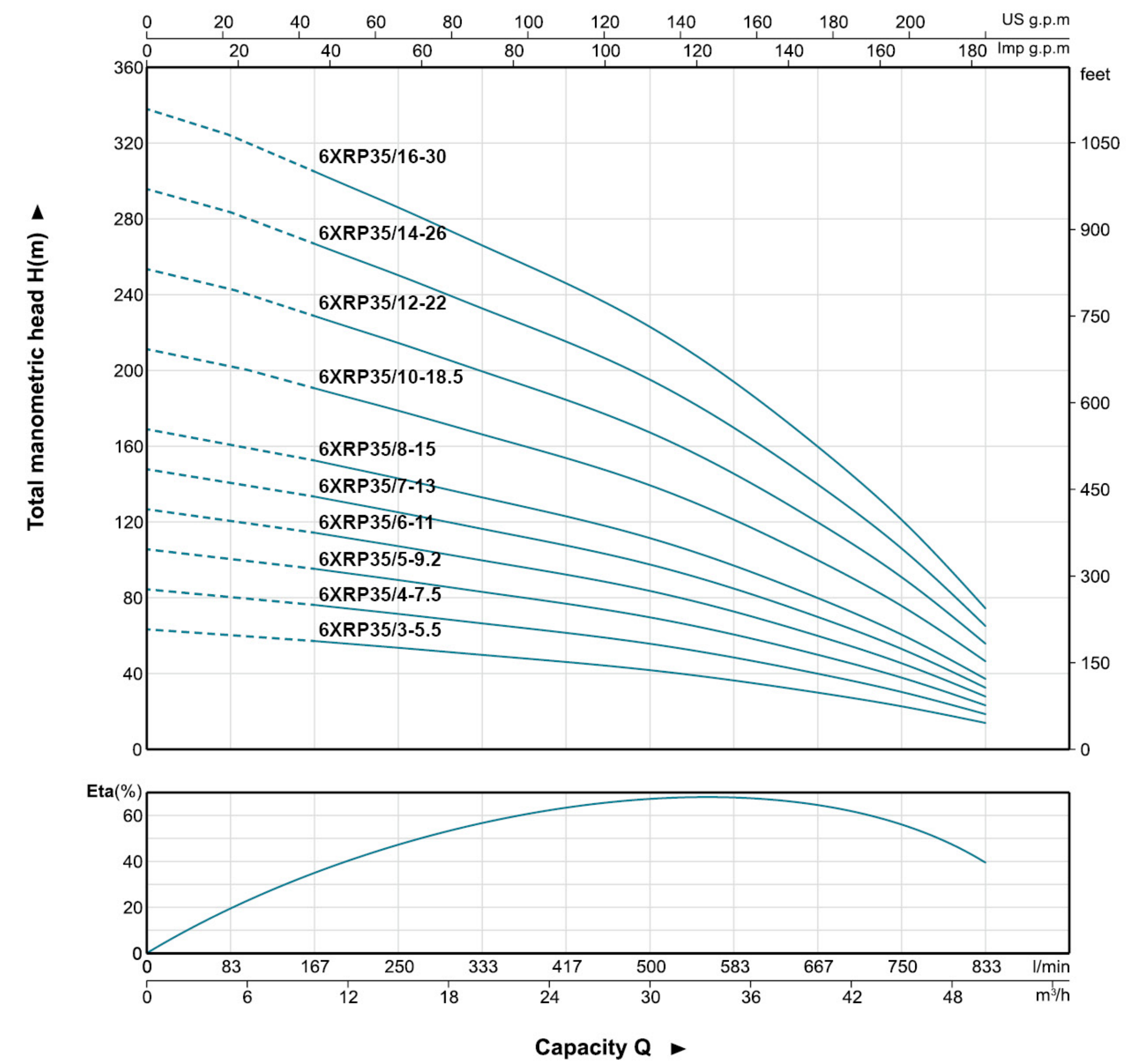
6XRP 22



Technical Data

MODEL	P2		DELIVERY													n≈3450 1/min
3~ 220V/380V	kW	HP	Q	m³/h	0	3	6	9	12	15	18	21	24	27	30	33
				l/min	0	50	100	150	200	250	300	350	400	450	500	550
6XRP22/5-5.5	5.5	7.5	H(m)		105	102	99	95	91	85	78	70	61	49	37	22
6XRP22/7-7.5	7.5	10			146	143	138	134	127	119	110	99	86	69	51	31
6XRP22/9-9.2	9.2	12.5			188	184	178	172	164	153	141	127	110	89	66	40
6XRP22/11-11	11	15			230	224	218	210	200	187	173	155	134	109	81	48
6XRP22/13-13	13	17.5			272	265	257	248	236	222	204	183	159	128	96	57
6XRP22/15-15	15	20			314	306	297	286	273	256	235	211	183	148	110	66
6XRP22/17-18.5	18.5	25			356	347	336	324	309	290	267	239	208	168	125	75
6XRP22/20-22	22	30			418	408	396	382	363	341	314	282	244	197	147	88
6XRP22/23-26	26	35			481	469	455	439	418	392	361	324	281	227	169	101

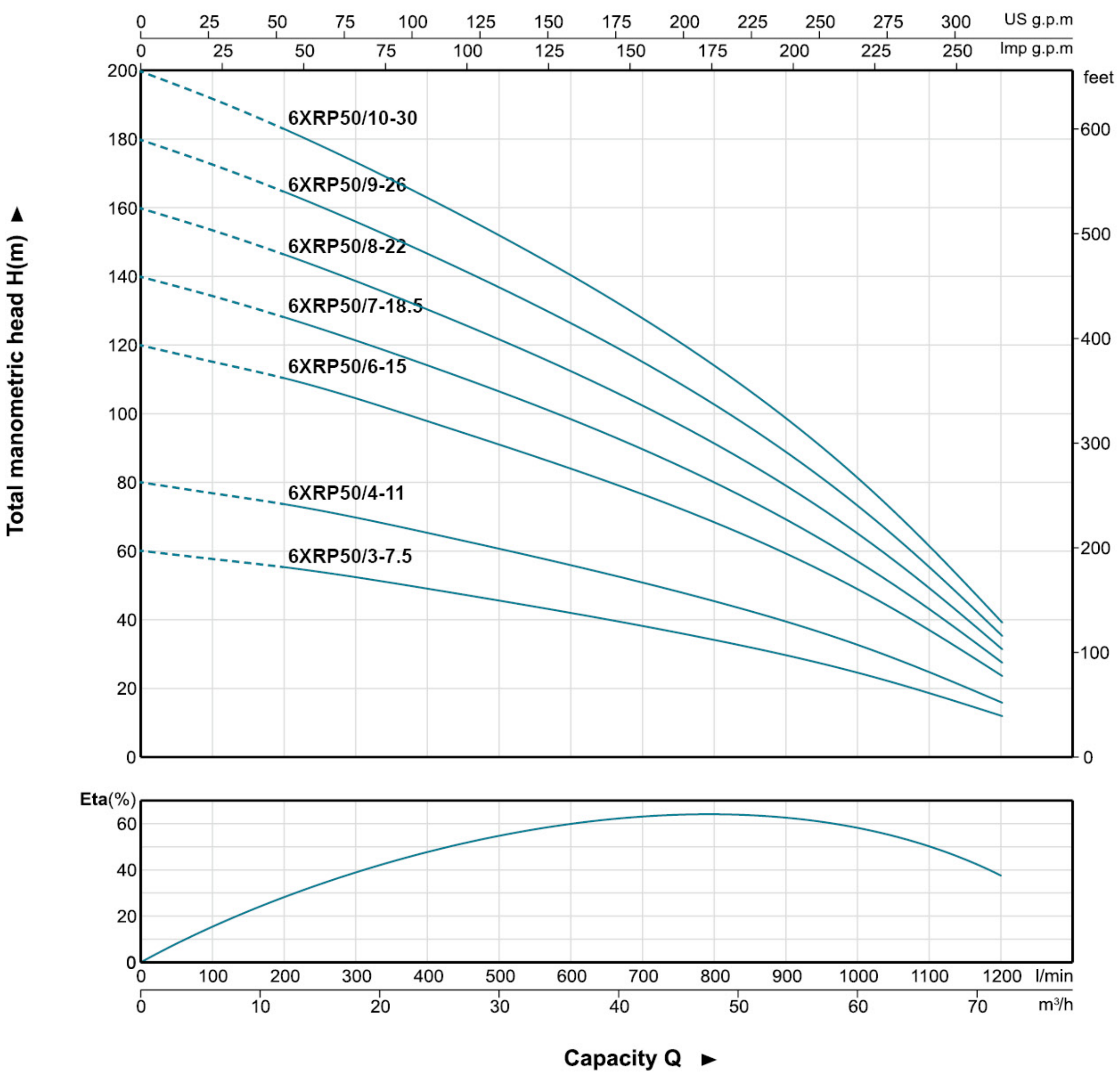
6XRP 35



Technical Data

MODEL	P2		DELIVERY													n≈3450 1/min
3~ 220V/380V	kW	HP	Q	m³/h	0	5	10	15	20	25	30	35	40	45	50
				l/min	0	83	167	250	333	417	500	583	667	750	833
6XRP35/3-5.5	5.5	7.5	H(m)		64	59	56	53	50	46	41	37	30	23	14
6XRP35/4-7.5	7.5	10			85	79	75	71	66	61	55	49	40	30	19
6XRP35/5-9.2	9.2	12.5			106	99	94	88	83	77	69	61	50	38	23
6XRP35/6-11	11	15			128	119	113	106	99	92	83	73	60	45	28
6XRP35/7-13	13	17.5			149	138	131	123	116	107	96	85	70	53	32
6XRP35/8-15	15	20			170	158	150	141	133	123	110	98	80	61	37
6XRP35/10-18.5	18.5	25			213	198	188	176	166	153	138	122	100	76	46
6XRP35/12-22	22	30			255	237	225	212	199	184	165	146	120	91	56
6XRP35/14-26	26	35			298	277	263	247	232	214	193	171	140	106	65
6XRP35/16-30	30	40			340	316	300	282	265	245	220	195	160	121	74

6XRP 50



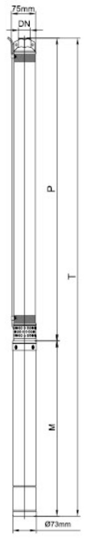
Technical Data

MODEL	P_2		DELIVERY													n≈3450 1/min
3~ 220V/380V	kW	HP	Q m³/h	0	6	12	18	24	30	36	42	48	54	60	66	72
			Q l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200
6XRP50/3-7.5	7.5	10	H(m)	60	58	55	52	49	45	41	37	34	30	24	18	12
6XRP50/4-11	11	15	H(m)	80	77	75	70	65	60	54	49	45	40	32	24	16
6XRP50/6-15	15	20	H(m)	120	115	110	105	98	90	82	73	68	60	49	37	23
6XRP50/7-18.5	18.5	25	H(m)	140	134	129	123	114	105	95	85	79	70	57	43	27
6XRP50/8-22	22	30	H(m)	160	154	147	140	130	120	109	98	90	80	65	49	31
6XRP50/9-26	26	35	H(m)	180	173	166	158	147	135	122	110	102	90	73	55	35
6XRP50/10-30	30	40	H(m)	200	192	184	175	163	150	136	122	113	100	81	61	39

3XR 2

MODEL	DN		Dimension(mm)			Weight(kg)		
	Standard	Optional	P	M(s)	T(s)	P	M(s)	T(s)
3XRm2/6-0.25	1"	1¼"/1½"	249	308	557	1.6	4.8	6.4
3XRm2/9-0.37	1"	1¼"/1½"	318	338	656	1.9	5.6	7.5
3XRm2/13-0.55	1"	1¼"/1½"	410	368	778	2.2	6.4	8.6
3XRm2/17-0.75	1"	1¼"/1½"	527	408	935	2.6	7.5	10.1
3XRm2/25-1.1	1"	1¼"/1½"	710	493	1203	3.4	10.0	13.4
3XRm2/30-1.5	1"	1¼"/1½"	825	543	1368	3.9	11.3	15.2

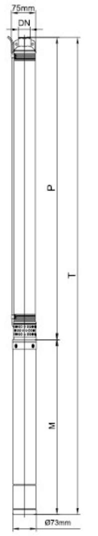
* S = Single phase



3XR 3

MODEL	DN		Dimension(mm)			Weight(kg)		
	Standard	Optional	P	M(s)	T(s)	P	M(s)	T(s)
3XRm3/5-0.25	1"	1¼"/1½"	324	308	632	1.5	4.8	6.3
3XRm3/8-0.37	1"	1¼"/1½"	402	338	740	1.8	5.6	7.4
3XRm3/11-0.55	1"	1¼"/1½"	480	368	848	2.1	6.4	8.5
3XRm3/14-0.75	1"	1¼"/1½"	558	408	966	2.3	7.5	9.8
3XRm3/21-1.1	1"	1¼"/1½"	764	493	1257	3.0	10.0	13.0
3XRm3/25-1.5	1"	1¼"/1½"	868	543	1411	3.4	11.3	14.7

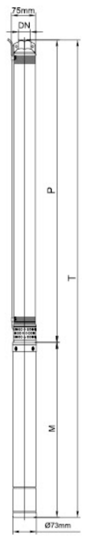
* S = Single phase



3XR 4

MODEL	DN		Dimension(mm)			Weight(kg)		
	Standard	Optional	P	M(s)	T(s)	P	M(s)	T(s)
3XRm4/4-0.25	1"	1"/1½"	319	308	627	1.4	4.8	6.2
3XRm4/6-0.37	1"	1"/1½"	382	338	720	1.6	5.6	7.2
3XRm4/8-0.55	1"	1"/1½"	445	368	813	1.8	6.4	8.2
3XRm4/10-0.75	1"	1"/1½"	508	408	916	2.0	7.5	9.5
3XRm4/15-1.1	1"	1"/1½"	690	493	1183	2.5	10.0	12.5
3XRm4/18-1.5	1"	1"/1½"	785	543	1328	2.8	11.3	14.1

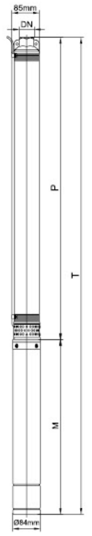
* S = Single phase



3.5XR 2

MODEL	DN		Dimension(mm)			Weight(kg)		
	Standard	Optional	P	M(s)	T(s)	P	M(s)	T(s)
3.5XRm2/5-0.25	1¼"	1½"	340	303	643	1.9	5.5	7.4
3.5XRm2/7-0.37	1¼"	1½"	393	318	711	2.2	6.1	8.3
3.5XRm2/10-0.55	1¼"	1½"	472	338	810	2.7	6.8	9.5
3.5XRm2/13-0.75	1¼"	1½"	551	363	914	3.2	7.8	11.0
3.5XRm2/19-11	1¼"	1½"	709	413	1122	4.4	9.9	14.3
3.5XRm2/25-1.5	1¼"	1½"	865	463	1328	5.4	11.8	17.2

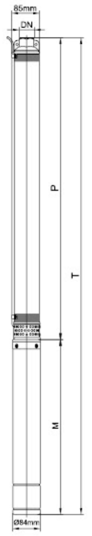
* S = Single phase



3.5XR 4

MODEL	DN		Dimension(mm)			Weight(kg)		
	Standard	Optional	P	M(s)	T(s)	P	M(s)	T(s)
3.5XRm4/3-0.25	1¼"	1½"	287	303	590	1.6	5.5	7.1
3.5XRm4/4-0.37	1¼"	1½"	314	318	632	1.8	6.1	7.9
3.5XRm4/6-0.55	1¼"	1½"	367	338	705	2.1	6.8	8.9
3.5XRm4/8-0.75	1¼"	1½"	419	363	782	2.4	7.8	10.2
3.5XRm4/12-1.1	1¼"	1½"	524	413	937	3.1	9.9	13.0
3.5XRm4/16-1.5	1¼"	1½"	630	463	1093	3.7	11.8	15.5

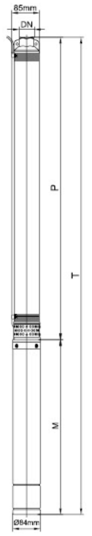
* S = Single phase



3.5XR 6

MODEL	DN		Dimension(mm)			Weight(kg)		
	Standard	Optional	P	M(s)	T(s)	P	M(s)	T(s)
3.5XRm6/3-0.37	1¼"	1½"	296	318	614	1.6	6.1	7.7
3.5XRm6/4-0.55	1¼"	1½"	325	338	663	1.8	6.8	8.6
3.5XRm6/6-0.75	1¼"	1½"	383	363	746	2.1	7.8	9.9
3.5XRm6/10-1.1	1¼"	1½"	500	413	913	2.7	9.9	12.6
3.5XRm6/14-1.5	1¼"	1½"	616	463	1079	3.4	11.8	15.2

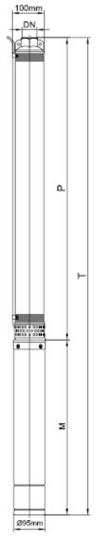
* S = Single phase



4XR 3

MODEL		DN		Dimension(mm)					Weight(kg)				
1~ 110V/220V	3~ 220V/380V	Standard	Optional	P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
4XRm3/5-0.37	4XR3/5-0.37	1¼"	1½"	309	316	316	625	625	2.4	6.7	5.8	9.1	8.2
4XRm3/7-0.55	4XR3/7-0.55	1¼"	1½"	338	331	331	669	669	2.6	7.3	7.3	9.9	9.9
4XRm3/9-0.75	4XR3/9-0.75	1¼"	1½"	397	361	346	758	743	3.2	8.7	8.0	11.9	11.2
4XRm3/13-1.1	4XR3/13-1.1	1¼"	1½"	455	401	381	856	836	3.7	10.3	9.8	14.0	13.5
4XRm3/17-1.5	4XR3/17-1.5	1¼"	1½"	543	451	426	994	969	4.5	12.9	11.7	17.4	16.2
4XRm3/24-2.2	4XR3/24-2.2	1¼"	1½"	689	532	492	1221	1181	5.9	17.7	15.7	23.6	21.6
-	4XR3/32-3	1¼"	1½"	898	-	598	-	1496	7.5	-	19.8	-	27.3
-	4XR3/40-4	1¼"	1½"	1071	-	673	-	1744	9.1	-	23.7	-	32.8

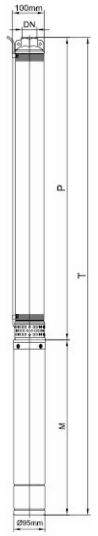
* S = Single phase
* T = Three phase



4XR 4

MODEL		DN		Dimension(mm)					Weight(kg)				
1~ 110V/220V	3~ 220V/380V	Standard	Optional	P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
4XRm4/4-0.37	4XR4/4-0.37	1¼"	1½"/2"	328	316	316	644	644	2.6	6.7	5.8	9.3	8.4
4XRm4/5-0.55	4XR4/5-0.55	1¼"	1½"/2"	355	331	331	686	686	2.8	7.3	7.3	10.1	10.1
4XRm4/7-0.75	4XR4/7-0.75	1¼"	1½"/2"	409	361	346	770	755	3.4	8.7	8.0	12.1	11.4
4XRm4/10-1.1	4XR4/10-1.1	1¼"	1½"/2"	490	401	381	891	871	4.2	10.3	9.8	14.5	14.0
4XRm4/13-1.5	4XR4/13-1.5	1¼"	1½"/2"	571	451	426	1022	997	5.0	12.9	11.7	17.9	16.7
4XRm4/18-2.2	4XR4/18-2.2	1¼"	1½"/2"	737	532	492	1269	1229	6.2	-	15.7	23.9	21.9
-	4XR4/24-3	1¼"	1½"/2"	898	-	598	-	1496	7.8	-	19.8	-	27.6
-	4XR4/31-4	1¼"	1½"/2"	1086	-	673	-	1759	9.5	-	23.7	-	33.2
-	4XR4/39-5.5	1¼"	1½"/2"	1333	-	776	-	2109	11.6	-	28.0	-	39.6

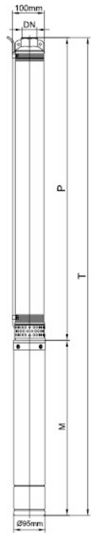
* S = Single phase
* T = Three phase



4XR 5

MODEL		DN		Dimension(mm)					Weight(kg)				
1~ 110V/220V	3~ 220V/380V	Standard	Optional	P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
4XRm5/3-0.37	4XR5/3-0.37	1¼"	1½"/2"	309	316	316	625	625	2.4	6.7	5.8	9.1	8.2
4XRm5/4-0.55	4XR5/4-0.55	1¼"	1½"/2"	338	331	331	669	669	2.6	7.3	7.3	9.9	9.9
4XRm5/6-0.75	4XR5/6-0.75	1¼"	1½"/2"	397	361	346	758	743	3.2	8.7	8.0	11.9	11.2
4XRm5/8-1.1	4XR5/8-1.1	1¼"	1½"/2"	455	401	381	856	836	3.7	10.3	9.8	14.0	13.5
4XRm5/11-1.5	4XR5/11-1.5	1¼"	1½"/2"	543	451	426	994	969	4.5	12.9	11.7	17.4	16.2
4XRm5/16-2.2	4XR5/16-2.2	1¼"	1½"/2"	689	532	492	1221	1181	5.9	17.7	15.7	23.6	21.6
-	4XR5/22-3	1¼"	1½"/2"	898	-	598	-	1496	7.5	-	19.8	-	27.3
-	4XR5/28-4	1¼"	1½"/2"	1071	-	673	-	1744	9.1	-	23.7	-	32.8
-	4XR5/35-5.5	1¼"	1½"/2"	1037	-	776	-	2083	11.0	-	28.0	-	39.0

* S = Single phase
* T = Three phase

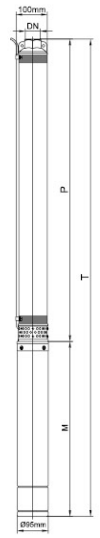


XR

4XR 7

MODEL		DN		Dimension(mm)					Weight(kg)				
1~ 110V/220V	3~ 220V/380V	Standard	Optional	P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
4XRm7/3-0.55	4XR7/3-0.55	1¼"	1½"/2"	331	331	331	662	662	3.1	7.3	7.3	10.4	10.4
4XRm7/4-0.75	4XR7/4-0.75	1¼"	1½"/2"	366	361	346	727	712	3.4	8.7	8.0	12.1	11.4
4XRm7/6-1.1	4XR7/6-1.1	1¼"	1½"/2"	435	401	381	836	816	4.0	10.3	9.8	14.3	13.8
4XRm7/9-1.5	4XR7/9-1.5	1¼"	1½"/2"	539	451	426	990	965	4.9	12.9	11.7	17.8	16.6
4XRm7/13-2.2	4XR7/13-2.2	1¼"	1½"/2"	677	532	492	1209	1169	6.0	17.7	15.7	23.7	21.7
-	4XR7/17-3	1¼"	1½"/2"	846	-	598	-	1444	7.1	-	19.8	-	26.9
-	4XR7/22-4	1¼"	1½"/2"	1019	-	673	-	1692	8.5	-	23.7	-	32.2
-	4XR7/28-5.5	1¼"	1½"/2"	1226	-	776	-	2002	10.2	-	28.0	-	38.2
-	4XR4/34-7.5	1¼"	1½"/2"	1463	-	896	-	2359	11.9	-	34.0	-	45.9

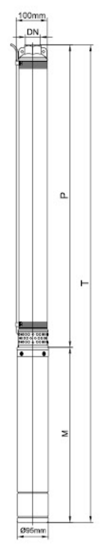
* S = Single phase
* T = Three phase



4XR 9

MODEL		DN		Dimension(mm)					Weight(kg)				
1~ 110V/220V	3~ 220V/380V	Standard	Optional	P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
4XRm9/3-0.75	4XR9/3-0.75	2"	1¼"/1½"	342	361	346	703	688	3.2	8.7	8.0	11.9	11.2
4XRm9/5-1.1	4XR9/5-1.1	2"	1¼"/1½"	418	401	381	819	799	3.8	10.3	9.8	14.1	13.6
4XRm9/7-1.5	4XR9/7-1.5	2"	1¼"/1½"	495	451	426	946	921	4.4	12.9	11.7	17.3	16.1
4XRm9/11-2.2	4XR9/11-2.2	2"	1¼"/1½"	679	532	492	1211	1171	5.5	17.7	15.7	23.2	21.2
-	4XR9/14-3	2"	1¼"/1½"	793	-	598	-	1391	6.4	-	19.8	-	26.2
-	4XR9/18-4	2"	1¼"/1½"	945	-	673	-	1618	7.6	-	23.7	-	31.3
-	4XR7/22-4	2"	1¼"/1½"	1098	-	776	-	1874	8.8	-	28.0	-	36.8
-	4XR7/27-7.5	2"	1¼"/1½"	1320	-	896	-	2216	10.3	-	34.0	-	44.3

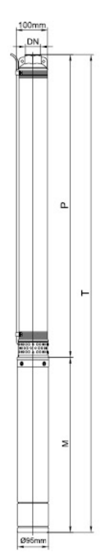
* S = Single phase
* T = Three phase



4XR 11

MODEL		DN		Dimension(mm)					Weight(kg)				
1~ 110V/220V	3~ 220V/380V	Standard	Optional	P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
4XRm11/4-1.1	4XR11/4-1.1	2"	1¼"/1½"	380	401	381	781	761	3.5	10.3	9.8	13.8	13.3
4XRm11/5-1.5	4XR11/5-1.5	2"	1¼"/1½"	416	451	426	867	842	3.8	12.9	11.7	16.7	15.5
4XRm11/8-2.2	4XR11/8-2.2	2"	1¼"/1½"	533	532	492	1065	1025	4.6	17.7	15.7	22.3	20.3
-	4XR11/10-3	2"	1¼"/1½"	609	-	598	-	1207	5.2	-	19.8	-	25.0
-	4XR11/13-4	2"	1¼"/1½"	755	-	673	-	1428	6.1	-	23.7	-	29.8
-	4XR11/17-5.5	2"	1¼"/1½"	907	-	776	-	1683	7.3	-	28.0	-	35.3
-	4XR11/22-7.5	2"	1¼"/1½"	1098	-	896	-	1994	8.8	-	34.0	-	42.8

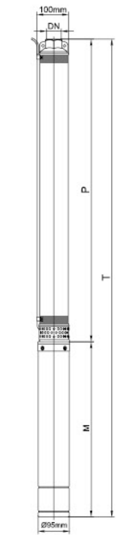
* S = Single phase
* T = Three phase



4XR 14

MODEL		DN		Dimension(mm)					Weight(kg)				
1~ 110V/220V	3~ 220V/380V	Standard	Optional	P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
4XRm14/4-1.5	4XR14/4-1.5	2"	1¼"/1½"	509	492	451	1001	960	4.7	15.7	12.9	20.4	17.6
4XRm14/7-2.2	4XR14/7-2.2	2"	1¼"/1½"	620	532	492	1152	1112	5.5	17.7	15.7	23.2	21.2
-	4XR14/9-3	2"	1¼"/1½"	764	-	598	-	1362	6.2	-	19.8	-	26.0
-	4XR14/12-4	2"	1¼"/1½"	931	-	673	-	1604	7.4	-	23.7	-	31.1
-	4XR14/16-5.5	2"	1¼"/1½"	1155	-	776	-	1931	8.9	-	28.0	-	36.9
-	4XR14/20-7.5	2"	1¼"/1½"	1410	-	896	-	2306	10.4	-	34.0	-	44.4

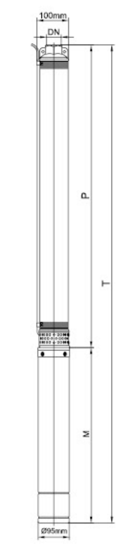
* S = Single phase
* T = Three phase



4XR 18

MODEL		DN		Dimension(mm)					Weight(kg)				
1~ 110V/220V	3~ 220V/380V	Standard	Optional	P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
4XRm18/3-1.5	4XR18/3-1.5	2"	1¼"/1½"	428	451	426	879	854	4.2	12.9	11.7	17.1	15.9
4XRm18/5-2.2	4XR18/5-2.2	2"	1¼"/1½"	565	532	492	1097	1057	5.1	17.7	15.7	22.8	20.8
-	4XR18/7-3	2"	1¼"/1½"	733	-	598	-	1331	6.0	-	19.8	-	25.8
-	4XR18/9-4	2"	1¼"/1½"	870	-	673	-	1543	6.9	-	23.7	-	30.6
-	4XR18/12-5.5	2"	1¼"/1½"	1076	-	776	-	1852	8.2	-	28.0	-	36.2
-	4XR18/14-7.5	2"	1¼"/1½"	1212	-	896	-	2108	9.1	-	34.0	-	43.1

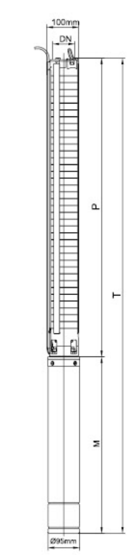
* S = Single phase
* T = Three phase



4XRS 2

MODEL		DN		Dimension(mm)					Weight(kg)				
1~ 110V/220V	3~ 220V/380V	Standard	Optional	P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
4XRSm2/6-0.37	4XRS2/6-0.37	1¼"	1"/1½"	275	314	314	589	589	2.0	6.6	6.6	8.6	8.6
4XRSm2/8-0.55	4XRS2/8-0.55	1¼"	1"/1½"	317	329	329	646	646	2.4	7.2	7.3	9.7	9.7
4XRSm2/11-0.75	4XRS2/11-0.75	1¼"	1"/1½"	380	359	344	739	724	3.1	8.7	8.0	11.8	11.1
4XRSm2/16-1.1	4XRS2/16-1.1	1¼"	1"/1½"	485	399	379	884	864	4.2	10.6	9.8	14.8	14.0
4XRSm2/22-1.5	4XRS2/22-1.5	1¼"	1"/1½"	611	449	414	1060	1025	5.5	12.9	11.2	18.4	16.7
4XRSm2/28-2.2	4XRS2/28-2.2	1¼"	1"/1½"	737	542	502	1279	1239	6.8	17.8	15.6	24.6	22.4
-	4XRS2/36-3	1¼"	1"/1½"	905	-	552	-	1457	8.6	-	18.2	-	26.8

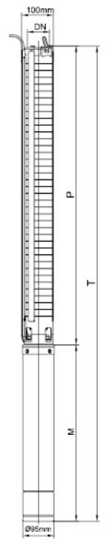
* S = Single phase
* T = Three phase



4XRS 3

MODEL		DN		Dimension(mm)					Weight(kg)				
1~ 110V/220V	3~ 220V/380V	Standard	Optional	P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
4XRSm3/4-0.37	4XRS3/4-0.37	1¼"	1"/1½"	233	314	314	547	547	1.7	6.6	6.6	8.3	8.3
4XRSm3/5-0.55	4XRS3/5-0.55	1¼"	1"/1½"	254	329	329	583	583	1.9	7.3	7.3	9.2	9.2
4XRSm3/7-0.75	4XRS3/7-0.75	1¼"	1"/1½"	296	359	344	655	640	2.4	8.7	8.0	11.1	10.4
4XRSm3/11-1.1	4XRS3/11-1.1	1¼"	1"/1½"	380	399	379	779	759	3.2	10.6	9.8	13.8	13.0
4XRSm3/15-1.5	4XRS3/15-1.5	1¼"	1"/1½"	464	449	414	913	878	4.1	12.9	11.2	17.0	15.3
4XRSm3/21-2.2	4XRS3/21-2.2	1¼"	1"/1½"	590	542	502	1132	1092	5.4	17.8	15.6	23.2	21.0
-	4XRS3/28-3	1¼"	1"/1½"	737	-	552	-	1289	7.0	-	18.2	-	25.2
-	4XRS3/36-4	1¼"	1"/1½"	905	-	622	-	1527	8.7	-	21.4	-	30.1
-	4XRS3/44-5.5	1¼"	1"/1½"	1073	-	718	-	1791	10.5	-	25.5	-	36.0

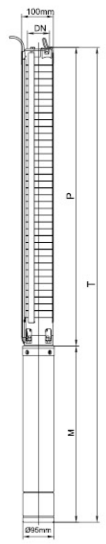
* S = Single phase
* T = Three phase



4XRS 5

MODEL		DN		Dimension(mm)					Weight(kg)				
1~ 110V/220V	3~ 220V/380V	Standard	Optional	P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
4XRSm5/4-0.55	4XRS5/4-0.55	1¼"	1"/1½"	233	329	329	562	562	2.2	7.2	7.3	9.5	9.5
4XRSm5/5-0.75	4XRS5/5-0.75	1¼"	1"/1½"	254	359	344	613	598	2.4	8.7	8.0	11.1	10.4
4XRSm5/7-1.1	4XRS5/7-1.1	1¼"	1"/1½"	296	399	379	695	675	2.9	10.6	9.8	13.5	12.7
4XRSm5/10-1.5	4XRS5/10-1.5	1¼"	1"/1½"	359	449	414	808	773	3.5	12.9	11.2	16.4	14.7
4XRSm5/15-2.2	4XRS5/15-2.2	1¼"	1"/1½"	464	542	502	1006	966	4.6	17.8	15.6	22.4	20.2
-	4XRS5/20-3	1¼"	1"/1½"	569	-	552	-	1121	5.7	-	18.2	-	23.9
-	4XRS5/25-4	1¼"	1"/1½"	674	-	622	-	1296	6.8	-	21.4	-	28.2
-	4XRS5/31-5.5	1¼"	1"/1½"	800	-	718	-	1518	8.1	-	25.5	-	33.6
-	4XRS5/37-7.5	1¼"	1"/1½"	926	-	828	-	1754	9.5	-	31.0	-	40.5

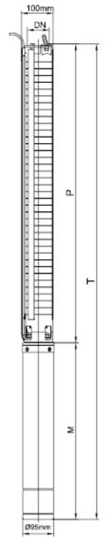
* S = Single phase
* T = Three phase



4XRS 8

MODEL		DN		Dimension(mm)					Weight(kg)				
1~ 110V/220V	3~ 220V/380V	Standard	Optional	P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
4XRSm8/3-0.75	4XRS8/3-0.75	2"	1¼"/1½"	281	359	344	640	625	3.7	8.7	8.0	12.4	11.7
4XRSm8/5-1.1	4XRS8/5-1.1	2"	1¼"/1½"	365	399	379	764	744	4.4	10.6	9.8	15.0	14.2
4XRSm8/7-1.5	4XRS8/7-1.5	2"	1¼"/1½"	449	499	414	898	863	5.0	12.9	11.2	17.9	16.2
4XRSm8/9-2.2	4XRS8/9-2.2	2"	1¼"/1½"	533	542	502	1075	1035	5.6	17.8	15.6	23.4	21.2
-	4XRS8/12-3	2"	1¼"/1½"	659	-	552	-	1211	6.7	-	18.2	-	24.9
-	4XRS8/15-4	2"	1¼"/1½"	785	-	622	-	1407	7.7	-	21.4	-	29.1
-	4XRS8/18-5	2"	1¼"/1½"	911	-	678	-	1589	8.6	-	23.6	-	32.2
-	4XRS8/20-5.5	2"	1¼"/1½"	995	-	718	-	1713	9.3	-	25.5	-	34.8
-	4XRS8/26-7.5	2"	1¼"/1½"	1247	-	768	-	2015	11.4	-	28.0	-	39.4

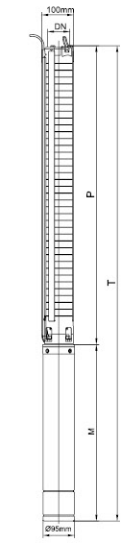
* S = Single phase
* T = Three phase



4XRS 14

MODEL		DN		Dimension(mm)					Weight(kg)				
1~ 110V/220V	3~ 220V/380V	Standard	Optional	P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
4XRSm14/5-2.2	4XRS14/5-2.2	2"	1¼"/1½"	447	542	502	989	949	7.5	17.8	15.6	25.3	23.1
-	4XRS14/6-3	2"	1¼"/1½"	497	-	552	-	1049	7.8	-	18.2	-	26.0
-	4XRS14/8-4	2"	1¼"/1½"	597	-	622	-	1219	8.4	-	21.4	-	29.8
-	4XRS14/10-5.5	2"	1¼"/1½"	697	-	718	-	1415	9.0	-	25.5	-	34.5
-	4XRS14/13-7.5	2"	1¼"/1½"	847	-	828	-	1675	9.9	-	31.0	-	40.9

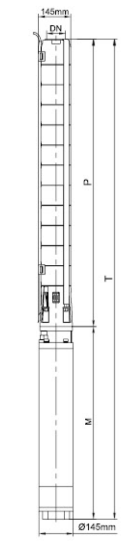
* S = Single phase
* T = Three phase



6XRS 17

MODEL	DN		Dimension(mm)			Weight(kg)		
	Standard	Optional	P	M(T)	T(T)	P	M(T)	T(T)
6XRS17/6-5.5	3"	4"	632	614	1246	11.3	42.4	53.7
6XRS17/9-7.5	3"	4"	813	654	1467	15.2	46.9	62.1
6XRS17/11-7.2	3"	4"	934	704	1638	17.8	51.9	69.7
6XRS17/13-11	3"	4"	1055	754	1809	20.4	57.5	77.9
6XRS17/15-13	3"	4"	1176	804	1980	23.0	62.4	85.4
6XRS17/17-15	3"	4"	1297	854	2151	25.6	67.9	93.5
6XRS17/21-18.5	3"	4"	1539	934	2473	30.8	82.2	113.0
6XRS17/25-22	3"	4"	1781	1014	2795	36.0	92.7	128.7
6XRS17/29-26	3"	4"	2023	1094	3117	41.2	101.7	142.9
6XRS17/33-30	3"	4"	2265	1174	3439	46.4	110.7	157.1

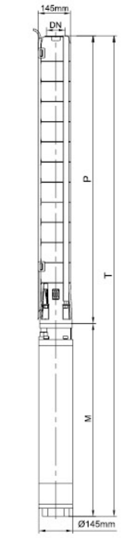
* T = Three phase



6XRS 30

MODEL	DN		Dimension(mm)			Weight(kg)		
	Standard	Optional	P	M(T)	T(T)	P	M(T)	T(T)
6XRS30/4-5.5	3"	4"	653	614	1267	10.7	42.4	53.1
6XRS30/5-7.5	3"	4"	749	654	1403	12.5	46.9	59.4
6XRS30/6-9.2	3"	4"	845	704	1549	14.3	51.9	66.2
6XRS30/7-11	3"	4"	941	754	1695	16.1	57.5	73.6
6XRS30/9-13	3"	4"	1133	804	1937	19.7	62.4	82.1
6XRS30/10-15	3"	4"	1229	854	2083	21.5	67.9	89.4
6XRS30/12-18.5	3"	4"	1421	934	2355	25.1	82.2	107.3
6XRS30/14-22	3"	4"	1613	1014	2627	28.7	92.7	121.4
6XRS30/16-26	3"	4"	1805	1094	2899	32.3	101.7	134.0
6XRS30/18-30	3"	4"	1997	1174	3171	35.9	110.7	146.6

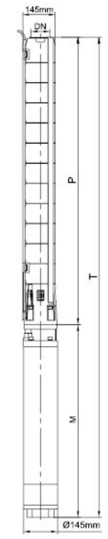
* T = Three phase



6XRS 46

MODEL	DN		Dimension(mm)			Weight(kg)		
	Standard	Optional	P	M(T)	T(T)	P	M(T)	T(T)
6XRS46/3-7.5	3"	4"	612	654	1266	11.0	46.9	57.9
6XRS46/4-9.2	3"	4"	725	704	1429	13.5	51.2	64.7
6XRS46/5-13	3"	4"	838	804	1642	16.0	62.4	78.4
6XRS46/6-15	3"	4"	951	854	1805	18.5	67.9	86.4
6XRS46/7-18.5	3"	4"	1064	934	1998	21.0	82.2	103.2
6XRS46/9-22	3"	4"	1290	1014	2304	26.0	92.7	118.7
6XRS46/11-26	3"	4"	1516	1094	2610	31.0	101.7	132.7
6XRS46/12-30	3"	4"	1629	1174	2803	33.5	110.7	144.2

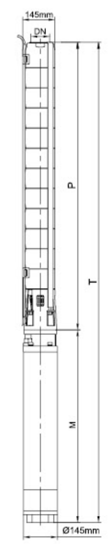
* T = Three phase



6XRS 60

MODEL	DN		Dimension(mm)			Weight(kg)		
	Standard	Optional	P	M(T)	T(T)	P	M(T)	T(T)
6XRS60/4-11	4"	3"	725	754	1479	13.5	57.5	71.0
6XRS60/5-15	4"	3"	838	854	1692	16.0	67.9	83.9
6XRS60/6-18.5	4"	3"	951	934	1885	18.5	82.2	100.7
6XRS60/7-22	4"	3"	1064	1014	2078	21.0	92.7	113.7
6XRS60/9-26	4"	3"	1290	1094	2384	26.0	101.7	127.7
6XRS60/10-30	4"	3"	1403	1174	2577	28.5	110.7	139.2

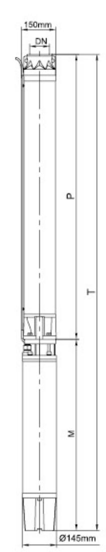
* T = Three phase



6XRP 15

MODEL	DN		Dimension(mm)			Weight(kg)		
	Standard	Optional	P	M(T)	T(T)	P	M(T)	T(T)
6XRP15/5-4	2½"	3"	594	609	1203	14.8	39.2	54.0
6XRP15/7-5.5	2½"	3"	672	659	1331	16.3	42.6	58.9
6XRP15/10-7.5	2½"	3"	790	719	1509	18.5	47.0	65.5
6XRP15/12-9.2	2½"	3"	968	779	1747	20.0	52.7	72.7
6XRP15/15-11	2½"	3"	984	839	1823	22.4	58.3	80.7
6XRP15/17-13	2½"	3"	1133	899	2032	23.8	63.9	87.7
6XRP15/20-115	2½"	3"	1250	959	2209	26.1	69.5	95.6
6XRP15/24-18.5	2½"	3"	1406	979	2385	29.1	80.9	110.0

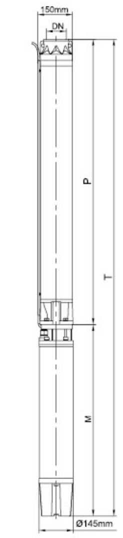
* T = Three phase



6XRP 22

MODEL	DN		Dimension(mm)			Weight(kg)		
	Standard	Optional	P	M(T)	T(T)	P	M(T)	T(T)
6XRP22/5-5.5	2½"	3"	624	659	1283	19.0	42.6	61.6
6XRP22/7-7.5	2½"	3"	714	719	1433	20.8	47.0	67.8
6XRP22/9-9.2	2½"	3"	804	779	1583	22.6	52.7	75.3
6XRP22/11-11	2½"	3"	894	839	1733	24.7	58.3	83.0
6XRP22/13-13	2½"	3"	984	899	1883	26.0	63.9	89.9
6XRP22/15-15	2½"	3"	1145	959	2104	27.1	69.5	96.6
6XRP22/17-18.5	2½"	3"	1235	979	2214	28.9	80.9	109.8
6XRP22/20-22	2½"	3"	1370	1054	2424	32.0	91.6	123.6
6XRP22/23-26	2½"	3"	1505	1129	2634	33.8	102.3	136.1

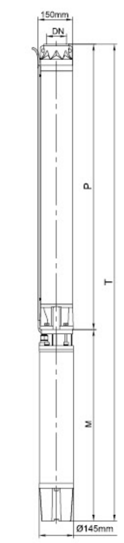
* T = Three phase



6XRP 35

MODEL	DN		Dimension(mm)			Weight(kg)		
	Standard	Optional	P	M(T)	T(T)	P	M(T)	T(T)
6XRP35/3-5.5	3"	2½"	561	659	1220	16.3	42.6	58.9
6XRP35/4-7.5	3"	2½"	615	719	1334	17.4	47.0	64.4
6XRP35/5-9.2	3"	2½"	669	779	1448	18.5	52.7	71.2
6XRP35/6-11	3"	2½"	723	839	1562	19.6	58.3	77.9
6XRP35/7-13	3"	2½"	777	899	1676	20.7	63.9	84.6
6XRP35/8-15	3"	2½"	831	959	1790	21.8	69.5	91.3
6XRP35/10-18.5	3"	2½"	939	979	1918	24.0	80.9	104.9
6XRP35/12-22	3"	2½"	1118	1054	2172	25.6	91.6	117.2
6XRP35/14-26	3"	2½"	1226	1129	2355	26.8	102.3	129.1
6XRP35/16-30	3"	2½"	1334	1204	2538	27.9	113.0	140.9

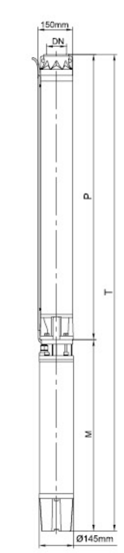
* T = Three phase



6XRP 50

MODEL	DN		Dimension(mm)			Weight(kg)		
	Standard	Optional	P	M(T)	T(T)	P	M(T)	T(T)
6XRP50/3-7.5	3"	2½"	675	719	1394	16.1	47.0	63.1
6XRP50/4-11	3"	2½"	767	839	1606	17.4	58.3	75.7
6XRP50/6-15	3"	2½"	951	959	1910	20.0	69.5	89.5
6XRP50/7-18.5	3"	2½"	1115	979	2094	21.3	80.9	102.2
6XRP50/8-22	3"	2½"	1207	1054	2261	22.6	91.6	114.2
6XRP50/9-26	3"	2½"	1299	1129	2428	23.9	102.3	126.2
6XRP50/10-30	3"	2½"	1391	1204	2595	25.2	113.0	138.2

* T = Three phase



5DW

Applications

- For water supply from wells or reservoirs
- For domestic use,for civil and industrial applications
- For garden use and irrigation

Operating conditions

- Maximum fluid temperature up to +35℃
- Minimum immersion: 100 mm
- Maximum immersion: 20 m
- Minimum well diameter: 5"

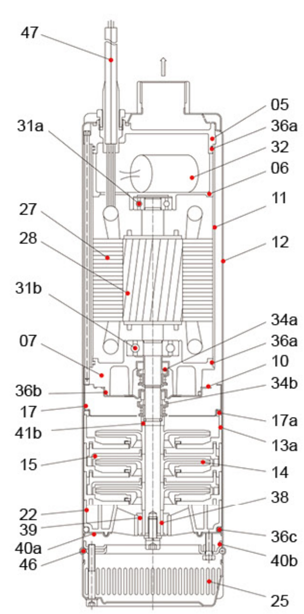
Motor and Pump

- Rewindable motor
- **Single-Phase:** 220 - 240V/50Hz
- **Three-Phase:** 380 - 415V/50Hz
- Cable length: 15 m
- Insulation class: F
- Protection class: IP68

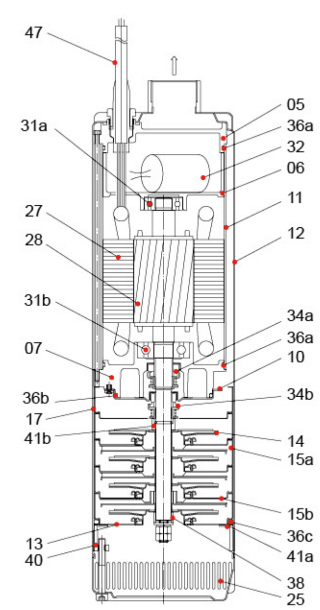
5 DW (m) 2/3–0.55 P

- P — Plastic Impeller
- 0.55 — Rated Power (W)
- 3 — Impeller Stage
- 2 — Rated Flow (m^3/h)
- (m) — Single-Phase Motor
- DW — Submersible Borehole Pump
- 5 — Min.Well Diameter: 5"

No.	Components	Material	
		5DW-P	5DW
5	Upper cover	Cast iron (Standard) Cast Cu & AISI 304 Optional	Cast Cu (Standard) AISI304 Optional
7	Bearing house		
6	Up-bearing house	Aluminum die casting	
10	Seal bracket	AISI304	AISI304
11	Motor casing	AISI304	AISI304
12	Outer casing	AISI304	AISI304
13	Pump casing	AISI304	AISI304
14	Impeller	PPO	AISI304
15	Diffuser	PPO	AISI304
17	Suction interconnector	AISI304	
17a	Coupling ring	PPO	/
22	Seat assembly	PPO	/
25	Strainer	AISI304	
27	Stator		
28	Rotor		
31a,b	Bearing		
32	Capacitor		
34a	Mechenical Seal	Carbon/Ceramic	
34b	Mechenical Seal	Sic/Sic	
36a,b,c	O-ring	NBR	
38	Shaft sleeve	AISI304	
39	Bush bearing	PU	/
40	Clamp ring	/	Cast Cu
40a	Sealing plate	AISI304	/
40b	Locking plate	AISI304	/
41a	Shim	/	AISI304
41b	Pressing block	AISI304	/
46	Circlips	AISI304	/
47	Cable	H07RN-F	

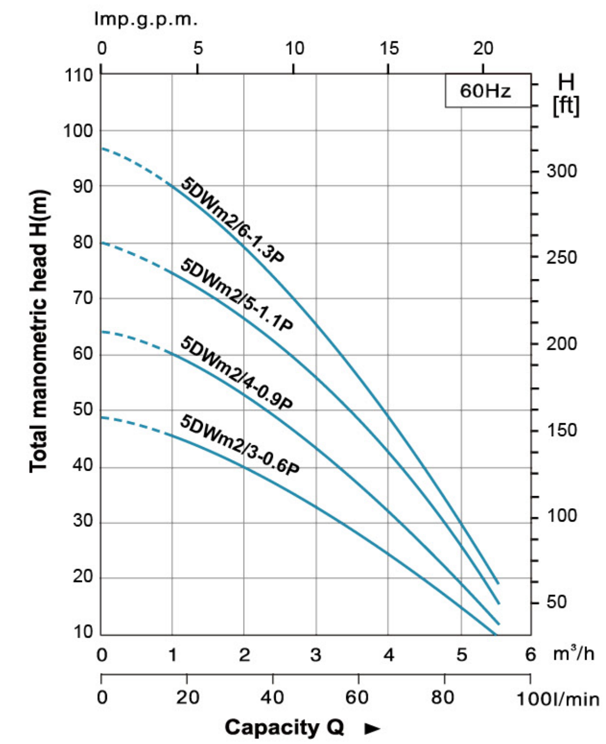


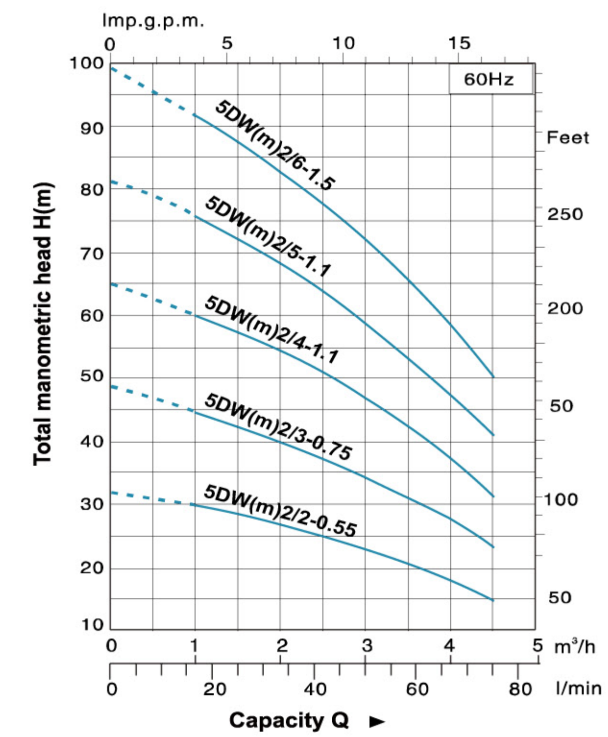
5DW–P

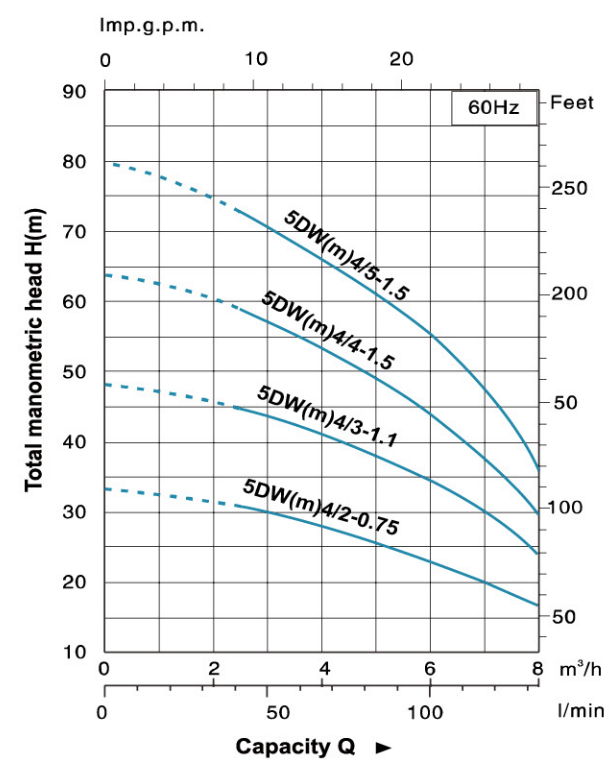


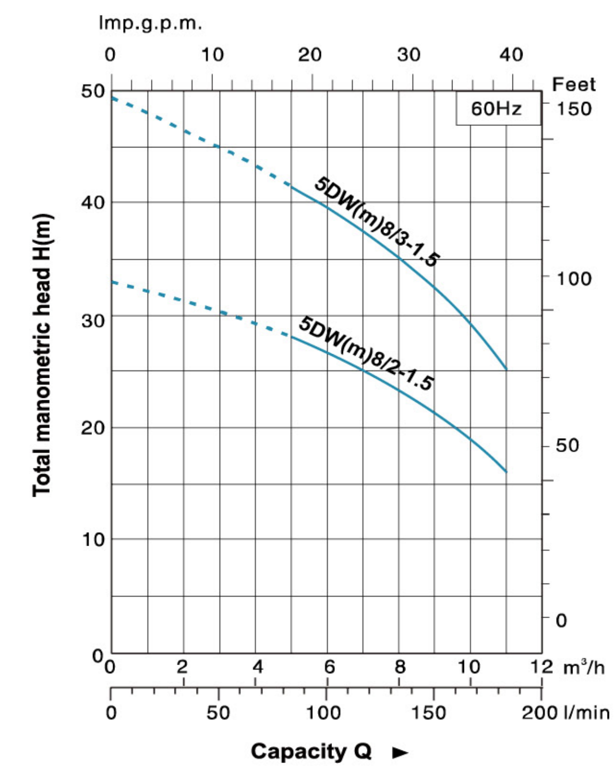
5DW

Hydraulic Performance Curves









Technical Data

MODEL		P2		DELIVERY		n≈2850 1/min										
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	m³/h	0	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5
					l/min	0	16.6	25	33.3	41.6	50	58.3	66.6	75	83.2	102
5DWm2/3-0.6P	5DW2/3-0.6P	0.6	0.8	H(m)		48	45	42	40	36	33	27	24	18	14	9
5DWm2/4-0.9P	5DW2/4-0.9P	0.9	1.2			64	60	57	53	48	43	37	32	25	20	12
5DWm2/5-1.1P	5DW2/5-1.1P	1.1	1.5			80	75	71	67	61	56	49	42	33	24	16
5DWm2/6-1.3P	5DW2/6-1.3P	1.3	1.75			96	90	85	79	72	66	56	48	40	28	19

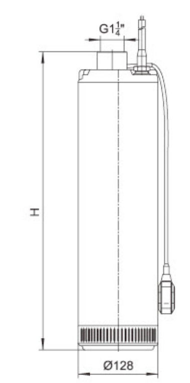
MODEL		P2		DELIVERY		n≈2850 1/min								
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	m³/h	0	1	1.5	2	2.5	3	3.5	4	4.5
					l/min	0	16.6	25	33.3	41.6	50	58.3	66.6	75
5DWm2/2-0.55	5DW2/2-0.55	0.55	0.75	H(m)		32	30	29	27	25	23	20	18	15
5DWm2/3-0.75	5DW2/3-0.75	0.75	1			48	45	43	40	38	34	30.5	27	23
5DWm2/4-1.1	5DW2/4-1.1	1.1	1.5			65	60	57	55	51	47	42	38	32
5DWm2/5-1.1	5DW2/5-1.1	1.1	1.5			82	76	72	69	64.5	59	53.5	48	41
5DWm2/6-1.5	5DW2/6-1.5	1.5	2			99	92	87	83	78	71	65	58	50

MODEL		P2		DELIVERY		n≈2850 1/min									
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	m³/h	0	2.5	3	3.5	4	4.5	5	6	7	8
					l/min	0	41.6	50	58.3	66.6	75	83.3	100	116	133
5DWm4/2-0.75	5DW4/2-0.75	0.75	1	H(m)		33	31	30	29	28	27	25	23	20	16
5DWm4/3-1.1	5DW4/3-1.1	1.1	1.5			49	45	44	42	41	39.5	37.5	34	29	23.5
5DWm4/4-1.5	5DW4/4-1.5	1.5	2			64	59	58	56	54	52	50	44	38	30
5DWm4/5-1.5	5DW4/5-1.5	1.5	2			80	73	71.5	69	67	64.5	62	54.5	47	37

MODEL		P2		DELIVERY		n≈2850 1/min							
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	m³/h	0	5	6	7	8	9	10	11
					l/min	0	83.3	100	116	133	150	166	183
5DWm8/2-1.5	5DW8/2-1.5	1.5	2	H(m)		32.5	27	26	24	23	22	19	16.5
5DWm8/3-1.5	5DW8/3-1.5	1.5	2			49	40.5	39	36	34.5	33	28.5	25

Dimension

MODEL		ΦD (mm)	DN	DIMENSIONS(mm)		WEIGHTS(kg)			
1 ~ 220V/240V	3 ~ 380V/415V			H(S)	H(T)	N.W(S)	N.W(T)	G.W(S)	G.W(T)
5DWm2/3-0.6P	5DW2/3-0.6P	Φ133	1 1/4"	481	445	14.4	13.3	15	13.9
5DWm2/4-0.9P	5DW2/4-0.9P	Φ133	1 1/4"	531	483	15.7	14.3	16.4	14.9
5DWm2/5-1.1P	5DW2/5-1.1P	Φ133	1 1/4"	569	521	16.1	14.7	16.8	15.4
5DWm2/6-1.3P	5DW2/6-1.3P	Φ133	1 1/4"	607	559	19	17.6	19.9	18.4
5DWm2/2-0.55	5DW2/2-0.55	Φ128	1 1/4"	409	409	13.4	13.1	14	13.7
5DWm2/3-0.75	5DW2/3-0.75	Φ128	1 1/4"	457	457	15.3	15	15.9	15.6
5DWm2/4-1.1	5DW2/4-1.1	Φ128	1 1/4"	505	505	17.7	17.4	18.5	18.1
5DWm2/5-1.1	5DW2/5-1.1	Φ128	1 1/4"	529	529	18.2	17.9	19	18.6
5DWm2/6-1.5	5DW2/6-1.5	Φ128	1 1/4"	589	589	21.1	20.8	22	21.7
5DWm4/2-0.75	5DW4/2-0.75	Φ128	1 1/4"	433	433	14.8	14.5	15.4	15.1
5DWm4/3-1.1	5DW4/3-1.1	Φ128	1 1/4"	481	481	17.2	16.9	17.9*	17.6
5DWm4/4-1.5	5DW4/4-1.5	Φ128	1 1/4"	541	541	20.1	19.8	20.9	20.6
5DWm4/5-1.5	5DW4/5-1.5	Φ128	1 1/4"	565	565	21.5	21.2	22.4	22
5DWm8/2-1.5	5DW8/2-1.5	Φ128	1 1/4"	505	505	18.1	17.8	18.8	18.5
5DWm8/3-1.5	5DW8/3-1.5	Φ128	1 1/4"	535	535	21	20.7	21.7	21.5



Identification Codes

24 V T T S – G1 S

- S: Stainless Steel Cover (Iron Tank without S)
- G1: Cover Thread
- S: Stainless Steel Tank (Iron Tank without S)
- T: Actual Capacity=Nominal Capacity
- T: Pressure Tank
- V: Tank Type
  - C: Horizontal Tank
  - V: Vertical Tank
  - S: Vertical Flat Tank
  - F:Vertical Tank With Foot
- 24: Nominal Tank Capacity

Tank

Model	Max. Pressure (bar)	Nominal Capacity (L)	Actual Capacity (L)	Membrane	Max. Temp	Connection
5STT	6	5	5	EPDM	90℃	G1"
24ST	8	24	20	EPDM	90℃	G1"
24STT	8	24	24	EPDM	90℃	G1"

The service life of the membrane is 50,000 cycles.

Model	Max. Pressure (bar)	Nominal Capacity (L)	Actual Capacity (L)	Membrane	Max. Temp	Connection
2VT	8	2	2	EPDM	99℃	G1/2"
4VT	8	4	4	EPDM	99℃	G1"
8VT	8	8	8	N.R	99℃	G1"
19VT	8	19	18	EPDM	99℃	G1"
24VT	8	24	20	EPDM	99℃	G1"
24VTT	8	24	24	EPDM	99℃	G1"

The service life of the membrane is 50,000 cycles.

Model	Max. Pressure (bar)	Nominal Capacity (L)	Actual Capacity (L)	Membrane	Max. Temp	Connection
19CT	8	19	18	EPDM	99℃	G1"
24CT	8	24	20	EPDM	99℃	G1"
24CTT	8	24	24	EPDM	99℃	G1"
50CT	8	50	36	EPDM	99℃	G1"
50CTT	8	50	50	EPDM	99℃	G1"
60CTT	8	60	60	EPDM	99℃	G1"
100CT	8	100	80	EPDM	99℃	G1"
100CTT	8	100	100	EPDM	99℃	G1"

The service life of the membrane is 50,000 cycles.

Model	Max. Pressure (bar)	Nominal Capacity (L)	Actual Capacity (L)	Membrane	Max. Temp	Connection
50FT	8	50	36	EPDM	99℃	G1"
50FTT	8	50	50	EPDM	99℃	G1"
60FTT	8	60	60	EPDM	99℃	G1"
100FT	8	100	80	EPDM	99℃	G1"
100FTT	8	100	100	EPDM	99℃	G1"
200FTT	10	200	200	BUTLY	99℃	G1$^1/_2$"
300FTT	10	300	300	BUTLY	99℃	G1$^1/_2$"

The service life of the membrane is 50,000 cycles.

3-Way/5-Way

5TA 5TB 3TA

Model	Connection	Length
3TA	G1"	70. 80
5TA	G1"	80. 90
5TB	G1"	80. 90

Foot Valve

FVA

Model	Connection
FVA1	1"
FVA1.25	11/4"
FVA1.5	11/2"
FVA2	2"
FVA3	3"

- Stainless steel mesh
- Can be used as a check valve

Flexible Hose

Model	FH12.8–01(L=128mm)	FH44–03(L=440mm)
Inlet	G$^3/_4$"	G1"
Outlet	G$^3/_8$"	G1"
Material	Stainless steel wire	Stainless steel wire
Operating Limits	Fluid temperature up to 35°C; Maximum ambient temperature 40°C.	

Filter

Model	WF-01B	WF-02B
Inlet/Outlet	1"×1"	1"×1"
Capacity	1L	2L
Max.Pressure	5bar	5bar
Operating Limits	Fluid temperature up to 35°C; Maximum ambient temperature 40°C.	

Pressure Gauge

Axial

Radial

PG -P 40 A

- A: Axial; R: Radial
- Size (40mm,50mm,60mm)
- P: Plastic; S:Iron sheet; SS: Stainless steel
- Pressure gauge

- Two connection types: (1)G1/4" (2)M10×1
- For 40mm gauge，the scale: 0-6 bar
- For 50mm gauge，the scale: 0-10 bar or 0-6 bar
- Back/bottom connection

Electromagnetic Switch

PS-04A

Rated Voltage	220~240V	110~120V
Max.Power	1.1 kW	1.5 kW
Power Frequency	50/60 Hz	
Max. Using Current	10 A	
Start Pressure Setting	1.2 bar / 1.5 bar / 2.2 bar	
Max. Working Pressure	10 bar	
Connection Thread	G1"	
Protection Rating	IP65	
Max. Working Temperature	55 ℃	
Cable	1.6m plug cable 45cm pump connection cable	

PS-04B

Rated Voltage	220~240V	110~120V
Max.Power	1.1 kW	1.5 kW
Power Frequency	50/60 Hz	
Max. Using Current	10 A	
Start Pressure Setting	1.2 bar / 1.5 bar / 2.2 bar	
Max. Working Pressure	10 bar	
Connection Thread	G1"	
Protection Rating	IP65	
Max. Working Temperature	55 ℃	
Cable	1.6m plug cable 45cm pump connection cable	

Optional: Working pressure adjustable

PS-04C

Rated Voltage	220~240V	110~120V
Max.Power	1.1 kW	1.5 kW
Power Frequency	50/60 Hz	
Max. Using Current	10 A	
Start Pressure Setting	1.5 bar / 2.2 bar	
Max. Working Pressure	10 bar	
Connection Thread	G1"	
Protection Rating	IP54	
Max. Working Temperature	55 ℃	
Cable	1.6m plug cable 45cm pump connection cable	

PS-04D

Rated Voltage	220~240V	110~120V
Max. Power	2.2 kW	1.1 kW
Frequency	50/60 Hz	
Max. Current	30 A	
Starting Pressure Setting	1.2 bar	1.5 bar
Max. Operating Pressure	10 bar	
Connection Thread	G1"(Standard), G1.25"	
Protechtion Class	IP65	
Max. Operating Temperature	55 ℃	
Cable	1.6m plug cable 45cm pump connection cable	

Pressure Switch

PS-04T

Rated Voltage	220~240V	110~120V
Max.Power	1.1 kW	0.55 kW
Power Frequency	50/60 Hz	
Max. Using Current	10 A	
Start Pressure Setting	1.2~2.5 bar	1.2~3.0 bar
Max. Working Pressure	10 bar	
Connection Thread	G1"	
Protection Rating	IP65	
Max. Working Temperature	55℃	
Timing function	0.5H, 6H, 24H	
Cable	1.6m plug cable 45cm pump connection cable	

Optional: Working pressure adjustable

PS-02B

Rated Voltage	220~240V ; 110~120V
Frequency	50/60 Hz
Min. Cut-in	1.4bar
Max. Cut-out	12bar
General pressure setting	1.4-2.8bar , 2.1-3.5bar 2.8-4.8bar , 2.8-5bar
Connection	Female: G1/4", G3/8" Male: G1/4"

High precision & sensitivity

PS-02C

Rated Voltage	220~240V ; 110~120V
Frequency	50/60 Hz
Min. Cut-in	1.4bar
Max. Cut-out	6.9bar
General pressure setting	1.4-2.8bar , 2.1-3.5bar , 2.8-4.2bar
Connection	Female: G1/4", G3/8" Male: G1/4"

High precision & sensitivity

PS-02D

Rated Voltage	220~240V ; 110~120V
Frequency	50/60 Hz
Min. Cut-in	1.4bar
Max. Cut-out	8.3bar
General pressure setting	1.4-2.8bar , 2.1-3.5bar 2.8-4.2bar , 3.5-4.8bar
Connection	Fix nut female: G1/4", G3/8" Rotary female: G1/4", G3/8" Male: G1/4"

High precision & sensitivity

Non-water protection function

Capacitor

2 wires

2 (4) terminals

Capacity (μF)	Type	Diameter (mm)	Length (mm)
6	2 wires	32	66
8	2 wires	32	66
8	4 terminals	35	72
10	2 wires	34	62
10	4 terminals	35	72
12	2 wires	40	73
16	2 wires	42	71
16	4 terminals	42	73
20	2 wires	42	74
20	4 terminals	42	74
25	2 wires	42	82
35	4 terminals	42	70
40	2 wires	42	82
40	4 terminals	45	73
42.5	2 terminals	51	100
45	2 terminals	51	100
50	2 terminals	51	100

Float Switch

FLO-01

FLO-01(With balance block)

Model	FLO-01	FLO-01(With balance block)
Specification	16(14)125V 16(8)250V	16(14)125V 16(8)250V
Cable	H07RN-F/8-F 3G1.0mm²x0.55m/0.65m/0.75m/2m/3m/5m/10m	
Lifetime	5000 cycles	5000 cycles
IP Protection	IP X8	
Operating Limits	Fluid temperature up to 35℃; Maximum ambient temperature 40℃.	

MEMO