LEO PUMP

LEO

فن آوران تهویه پیام

Ftp

شرکت فن آوران تهویه پیام

نماینده رسمی و انحصاری فروش و خدمات پس از فروش محصولات لیو در ایران

Pumps

- Peripheral Pump
- Jet Pump
- Centrifugal Pump
- Submersible Pump
- Submersible Sewage Pump
- Flexible Shaft Pump
- Domestic Lifting Station
- Pool Pump
- Fountain Pump
- Standard Centrifugal Pump
- Accessories

www.leopump.ir

LEO GROUP PUMP(ZHEJIANG) CO.,LTD.

2021 V2.0

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

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HISTORY

2001 — The first company exported pumps to EU in pump industry and established Taizhou LEO Electrical Co., Ltd

2009 — Recognized as a National Hi-tech Enterprise

2012 — "LEO" brand was identified as "China Famous Brand"

2017 — Relocated to smart plant with total area 300 thousand m^2

2019 — The Provincial first batch of "Eagle Action" Enterprise

1995 — Wenling Xinke Pump Research Institute was established

2007 — Got listed in Shenzhen Stock Exchange with stock code 002131

2010 — Established LEO Group Pump (Hunan) Co., Ltd. for industrial pumps manufacturing

2016 — Established LEO Group Pump (Zhejiang) Co., Ltd. for domestic and commercial pumps manufacturing

2018 — Awarded as intelligent plant by MIIT, P.R.C

2020 — Approved to establish a "national postdoctoral research workstation"

TO KNOW LEO

China USA Hungary UAE India Bangladesh Indonesia Thailand

1st LISTED PUMP MANUFACTURER

850 ENGINEERS AND 4000 EMPLOYEES IN TOTAL

GLOBAL AUTHORIZED DISTRIBUTOR OVER 140 COUNTRIES AND REGIONS

SERVED OVER 500 MILLION USERS

MORE THAN 15,000 SALES OUTLETS

OVER 6,000,000 PUMPS PRODUCED YEARLY

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. Two pump manufacturing bases, 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)

Area: Around 246,666 m^2

Product scope: Peripheral Pump, Jet Pump, Centrifugal Pump, Garden Submersible Pump, Fountain Pump,Pool Pump, Domestic Lifting Pump, Gasoline Engine Pump, Diesel Engine Pump, Submersible Pump, Submersible Borehole Pump, Submersible Sewage Pump,Stainless Steel Vertical Multistage Pump, etc.

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

Area: Around 92,635 m^2

Product scope: 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 Petrochemical Industry
(Dalian City, Liaoning Province)

Area: Around 10,000 m^2

Product Scope: 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.

LEO®

Pump Range

- Peripheral Pump

- Self-Priming Peripheral Pump

- Jet Pump

- Jet Pump for Deep Wells

- Centrifugal Pump

- Multistage Centrifugal Pump

- Self-Priming Centrifugal Pump

- Stainless Steel Multistage Centrifugal Pump

- Stainless Steel Centrifugal Pump

- Submersible Pump

- Stainless Steel Submersible Pump

- Flexible Shaft Pump

- Domestic Lifting Station

- Pool Pump

- Fountain Pump

- Garden Submersible Pump

- Garden Jet Pump

- Garden Pressure System

- Petrol Lawnmowers

- Gasoline Pressure Washers

- Booster Pump/Circulation Pump

- Wall-Mounted Gas Boiler Pump

شرکت فن آوران تهویه پیام
نماینده انحصاری فروش و خدمات پس از فروش محصولات لیو در ایران

- Stainless Steel Horizontal Multistage Pump

- Stainless Steel Horizontal Multistage Pump

- Semi-open Impeller Stainless Steel Centrifugal Pump

- Intelligent Pressure Booster System

- Permanent Magnet Intelligent Booster

- Standard Centrifugal Pump

- Stainless Steel Standard Centrifugal Pump

- Submersible Sewage Pump

- Submersible Sewage Pump

- Submersible Dewatering Pump

- Submersible Slurry Pump

- Vertical In-line Pump

- Stainless Steel Vertical Multistage Pump

- Pressure Booster System

- End Suction Centrifugal Pump

- Gasoline/Diesel Water Pump

- Generators

- Submersible Borehole Pump

- Solar Submersible Pump Systems

شرکت فن آوران تهویه پیام
نماینده انحصاری فروش و خدمات پس از فروش محصولات لیو در ایران

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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

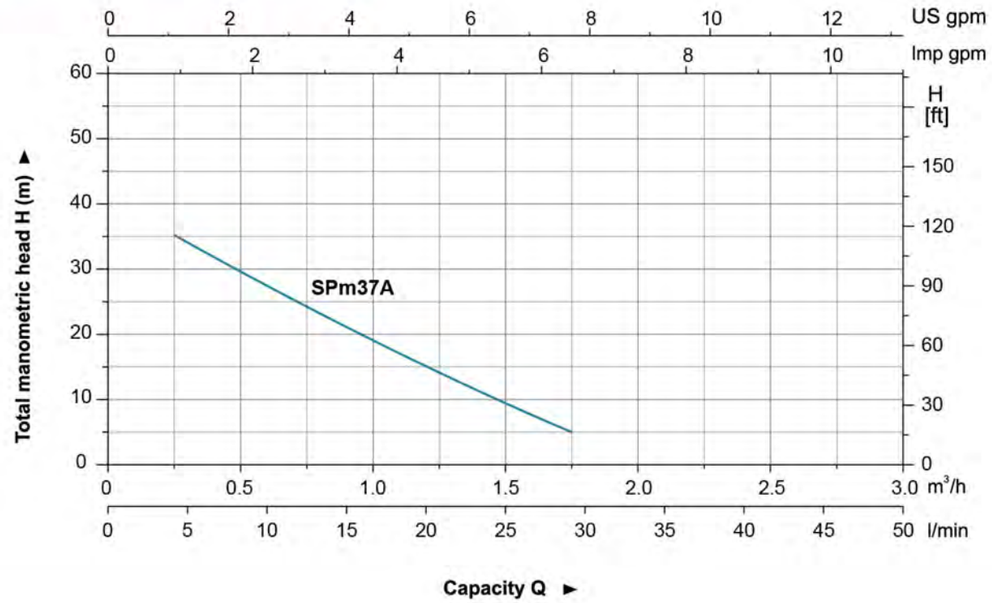
- Motor with copper winding
- Insulation class: F
- Protection class: IPX8

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

Hydraulic Performance Curves

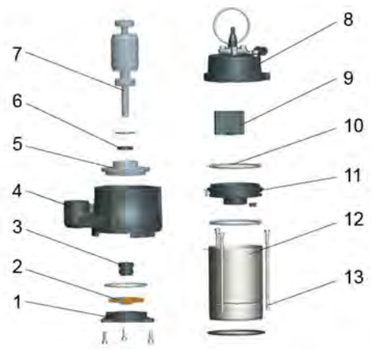


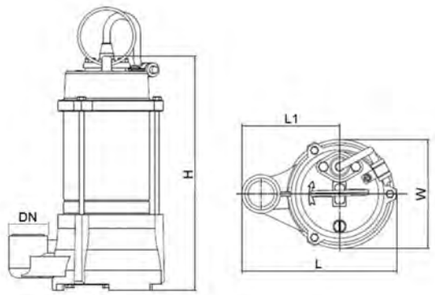
Technical Data

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
SPm37A	0.37	0.5	H (m)	41.4	30.6	20.4	9.8	-

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	





Dimension

MODEL	DN	L (mm)	L1 (mm)	H (mm)	W (mm)
SPm37A	1"	170	106	244	118

Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
SPm37A	7.56	184	135	300	2439

STK
Submersible Peripheral Pump

Application

- Clearn water or other liquids similar to water in physical and chemical properties
- Small living water supply, Automatic water sprinkler system, Garden irrigation, Temporary water taking etc.

Pump

- Low noise (55dB) and Less vibration
- Small and exquisite, easy to install and carry
- Auto-Start/Stop (with float switch type)
- Engineering plastic material have no pollution to water

Motor

- Insulation class: F
- Protection class: IPX8

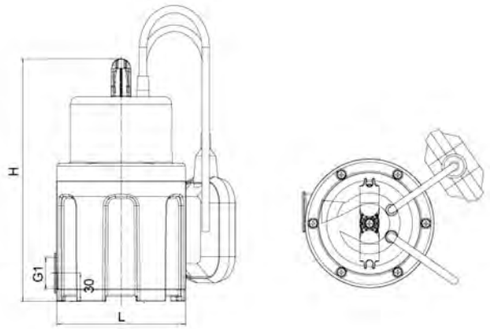
Identification Codes

STK 50 (F)

- (F) — Optional Float Switch
- 50 — Rated Output Power
- STK — Submersible Pump Series

Technical Data

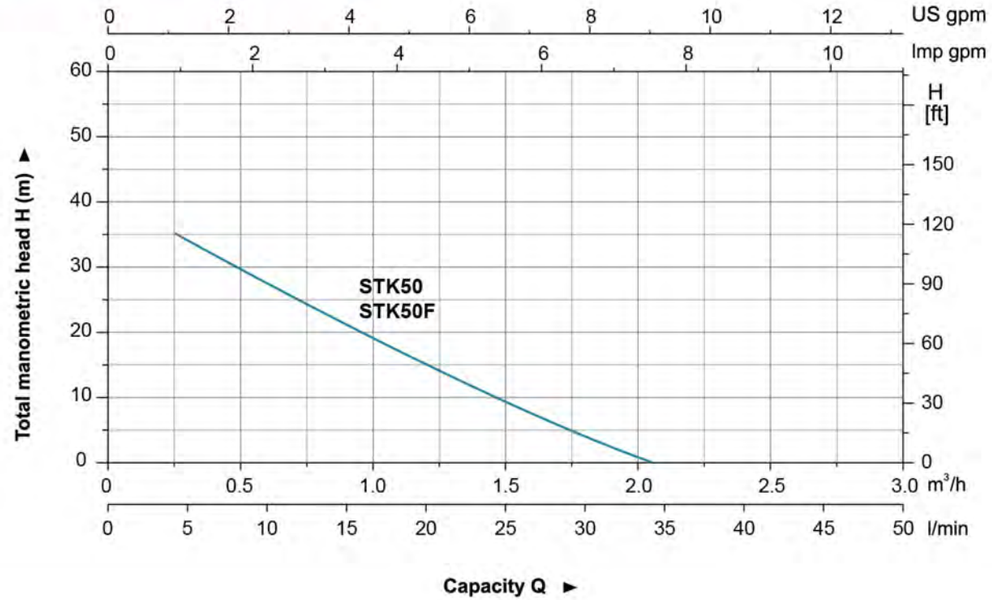
MODEL	Voltage (V/HZ)	Power		Max.flow		Max.head	Max.immersion	Outlet
		kW	HP	L/min	m^3/h	m	Depth (m)	
STK50(F)	220-240	0.37	0.5	40	2.4	35	10	1"



Dimension

MODEL	DN	L (mm)	H (mm)
STK50	1"	135	255
STK50(F)	1"	135	255

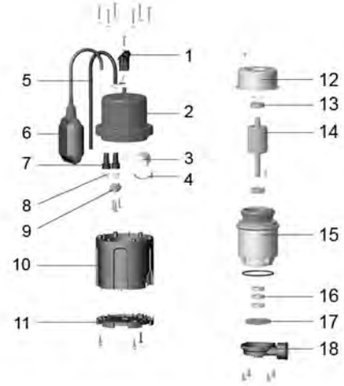
Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Handle	PP-GF30
2	Top cap	PP-GF30
3	Capacitance	
4	Capacitor clamp	PC/ABC
5	Cable	
6	Float switch	
7	Cable jacket	EPDM
8	Cable clamp	PA6-GF25
9	Cable plate	PA6-GF25
10	Plastic support	PP-GF30
11	Pedestal	PP-GF30
12	Bearing cover	ADC12
13	Bearing	

No.	Part	Material
14	Rotor	
15	Stator	
16	Framework	
17	Impeller	HPb59-1
18	Pump body subassembly	ADC12



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
STK50	3.95	150	150	320	3024
STK50(F)	4.12	150	150	270	3332

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

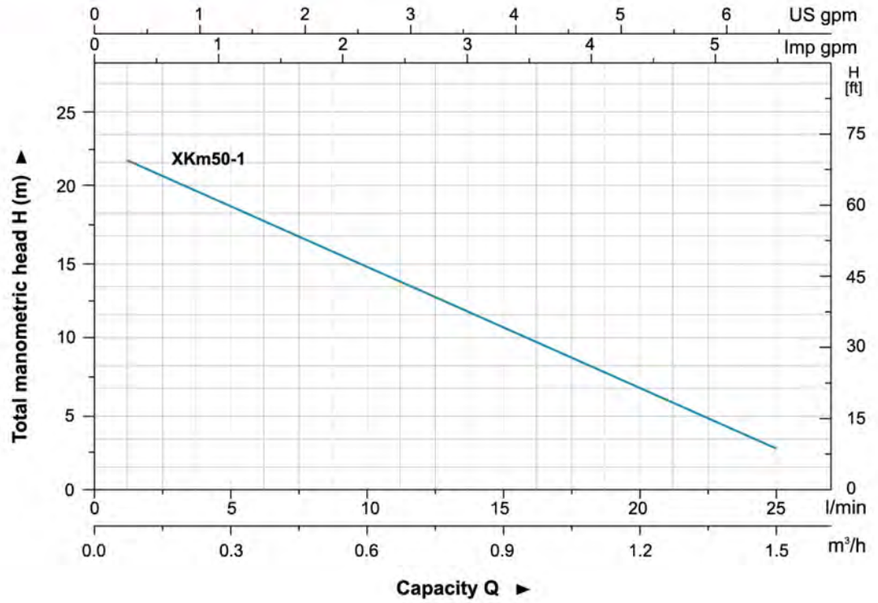
- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

Identification Codes

XK m 50 - 1

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

Hydraulic Performance Curves

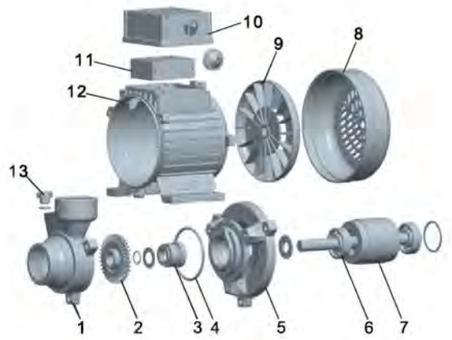


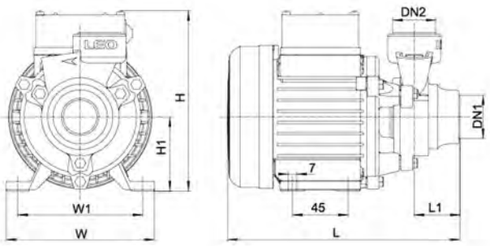
Technical Data

MODEL	POWER		Q (m³/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

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





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

Package Information

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

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

- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃
- IE 2 motor (AP110、AP150)

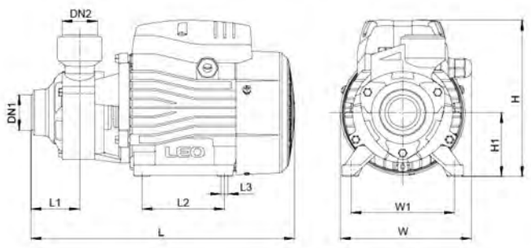
Identification Codes

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

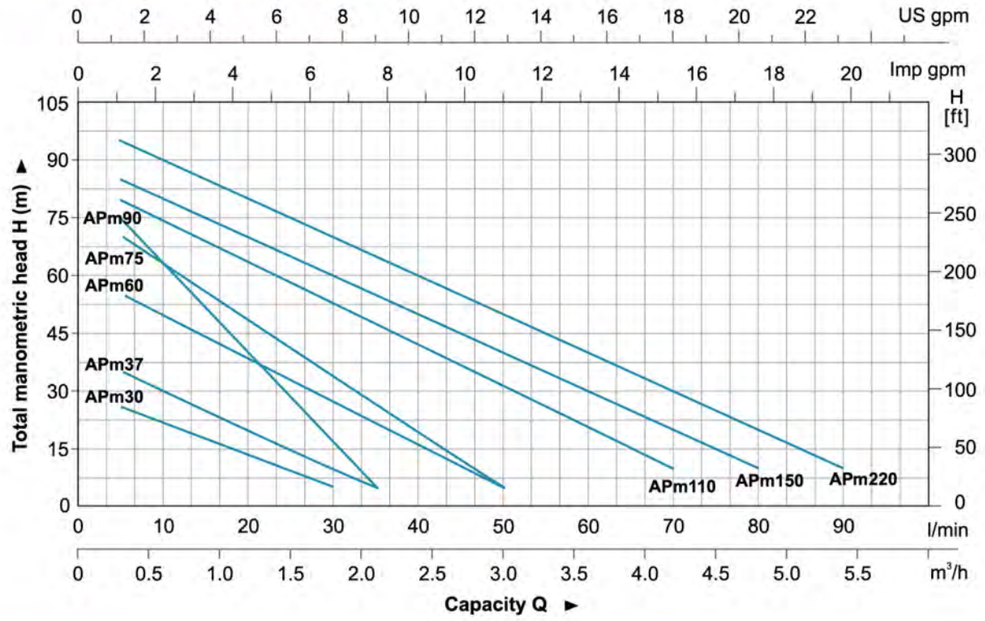
MODEL		POWER		Q (m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3.0	3.6	4.2	4.8	5.4
Single Phase	Three Phase	kW	HP	Q (l/min)	0	5	10	15	20	25	30	35	40	50	60	70	80	90
APm30	——	0.3	0.4	H (m)	30	26	20	15	12	8	5	-	-	-	-	-	-	-
APm37	——	0.37	0.5		40	35	30	25	20	15	10	5	-	-	-	-	-	-
APm60	——	0.6	0.8		60	55	50	40	35	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	-
APm220	AP220	2.2	3.0		100	96	90	85	80	75	70	65	60	50	40	30	20	10



Dimension

MODEL	DN1	DN2	L (mm)	W (mm)	H (mm)	L_1 (mm)	L_2 (mm)	L_3 (mm)	W_1 (mm)	H_1 (mm)
APm30	1"	1"	260	132	155	46.5	80	8.5	100	63
APm37			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
APm220			395	170	235	56	123	12	140	96
AP220			338	165	210	56	100	9	125	86

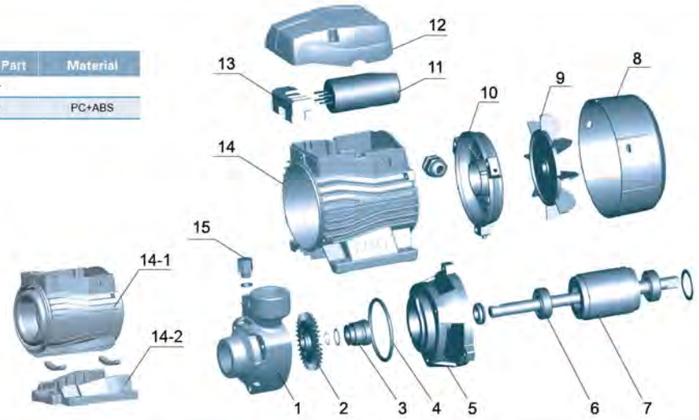
Hydraulic Performance Curves



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)
APm30	5.1	283	158	171	3132
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
APm220	22.3	420	225	265	955
AP220	17.2	370	210	235	1230

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: +85℃
- Max. suction: +8 m

Motor

- Low noise&Long life bearing
- Motor with cooper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

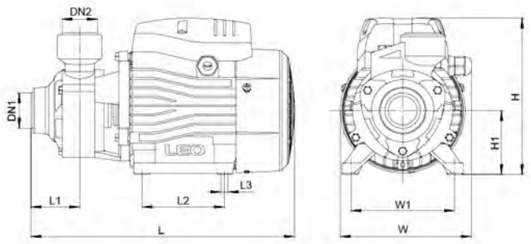
Identification Codes

A P m 75 H

- H — High head
- 75 — Power（X10 W）
- m — Single Phase Motor (Omitted for three-phase motor)
- P — Peripheral Pump
- A — LEO Product Style

Technical Data

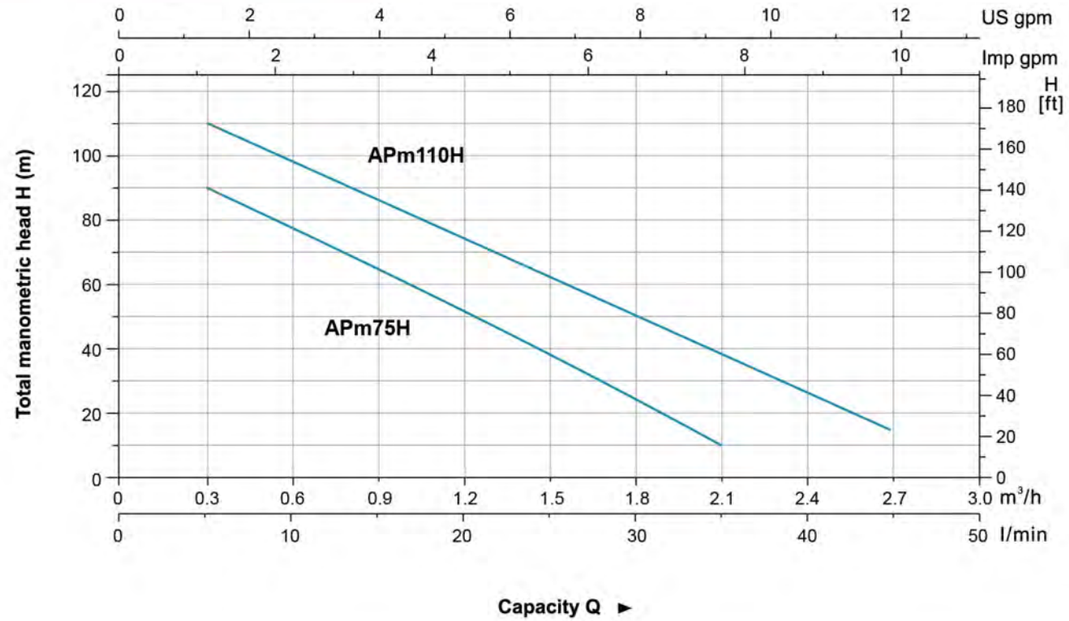
MODEL	POWER		Q (m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
	kW	HP	Q (l/min)	0	5	10	15	20	25	30	35	40	45	50
APm75H	0.75	1.0	H (m)	105	85	70	60	40	30	20	10	-	-	-
APm110H	1.1	1.5		125	110	100	85	70	60	45	35	25	15	-



Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	L2 (mm)	L3 (mm)	W1 (mm)	H1 (mm)
APm75H	3/4"	3/4"	299	147	183	52.5	90	8.5	112	71
APm110H	1"	1"	338	165	210	55.5	100	9	125	86

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	HT200
2	Impeller	Brass
3	Mechanical seal	Carbon/Ceramic/Silicon Carbide
4	O-ring	NBR
5	Support	HT200
6	Rotor	
7	Bearing	
8	Fan cover	PP
9	Fan	PP
10	End plate	ZL 102
11	Capacitor	
12	Capacitor box	PA6-GF25
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)
APm75H	11.5	335	190	210	1851
APm110H	16.25	370	210	235	1565

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

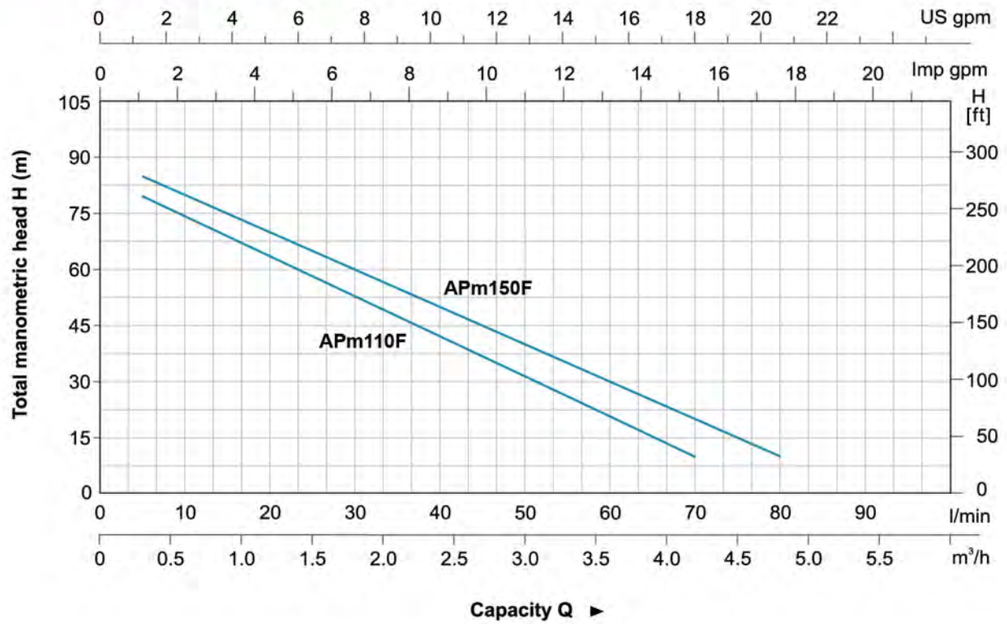
- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃
- IE 2 motor

Identification Codes

A P m 110 F

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

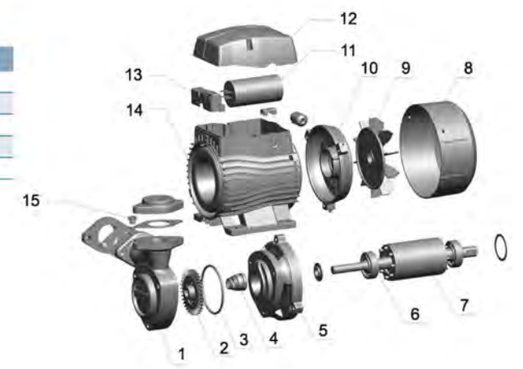
Hydraulic Performance Curves



Materials Table

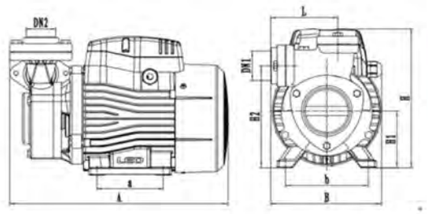
No.	Part	Material
1	Pump body	HT200
2	Mechanical seal	Carbon/Ceramic
3	Impeller	Brass
4	O-ring	NBR
5	Support	HT200
6	Bearing	
7	Rotor	
8	Fan cover	PP
9	Fan	PP
10	Rear cover	ZL102

No.	Part	Material
11	Capacitor	
12	Terminal box	ABS
13	Terminal board	PC
14	Stator	
15	Filling plug	HPb59-1



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
APm110F	AP110F	1.1	1.5	H(m)	85	80	75	65	60	55	50	45	40	30	18	10	–
APm150F	AP150F	1.5	2.0		90	86	80	75	70	65	60	55	50	40	30	20	10



Dimension

Model	DN1	DN2	A (mm)	B (mm)	L (mm)	a (mm)	b (mm)	H (mm)	H1 (mm)	H2 (mm)
APm110F	1.25"	1.25"	330	168	100	100	125	210	86	154.5
APm150F	1.25"	1.25"	332	168	100	100	125	210	86	154.5

Package Information

Model	GW (kg)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
APm110F	16.5	365	200	245	1240
APm150F	17.4	365	200	245	1180

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

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

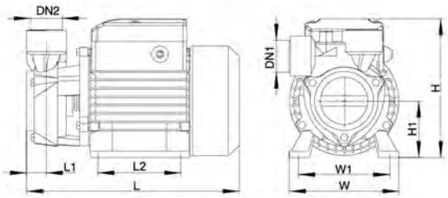
Identification Codes

XQ m 50

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

Technical Data

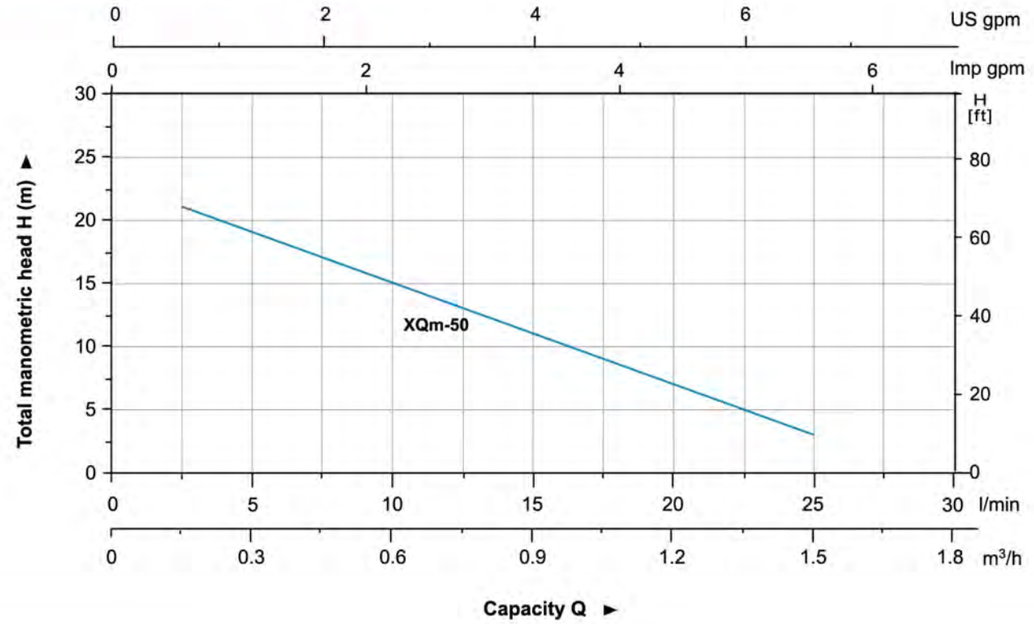
Model	POWER		Q (m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7
	kW	HP	Q (l/min)	0	5	10	15	20	25	30	35	40	45
XQm50	0.125	0.15	**H (m)**	23	19	15	11	7	3	-	-	-	-



Dimension

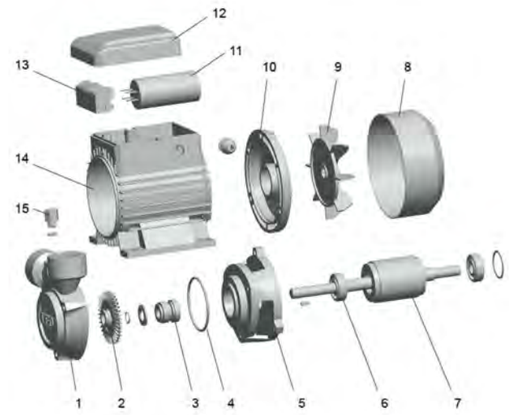
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	L2 (mm)	W1 (mm)	H1 (mm)
XQm50	1"	1"	173	120	146	15	45	100	60

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

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.

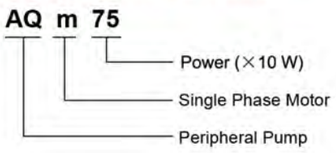
Pump

- 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

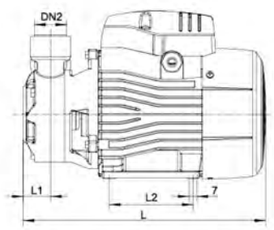
- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

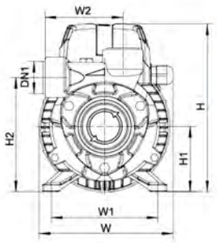
Identification Codes



Technical Data

Model	POWER		Q (m³/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
AQm37	0.37	0.5	H (m)	40	35	30	25	20	15	10	5	2	-
AQm60	0.6	0.8		60	55	50	40	35	30	25	20	10	5
AQm75	0.75	1		75	70	60	50	45	35	28	22	15	5

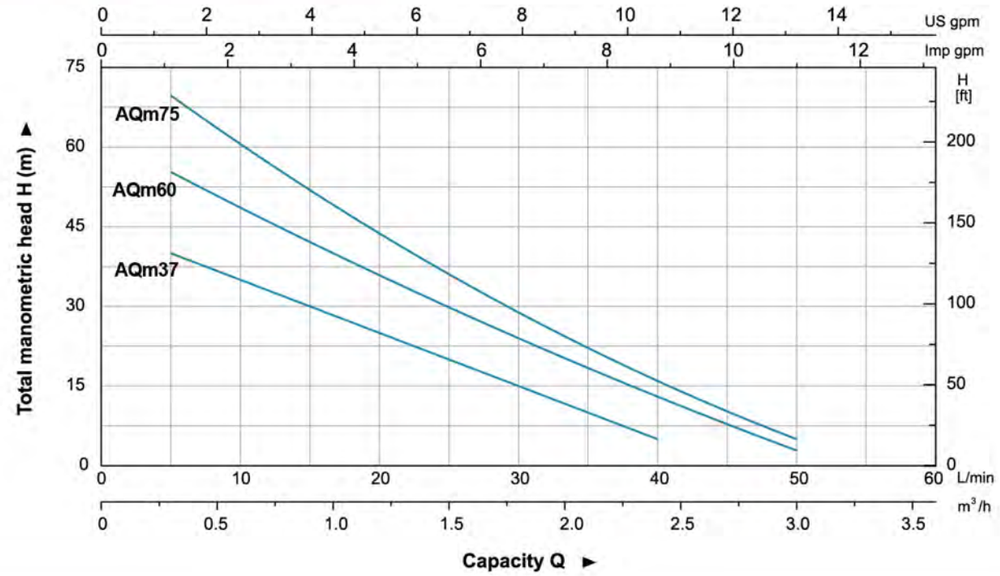




Dimension

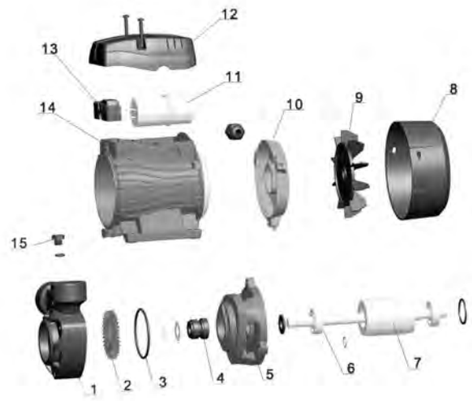
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	H1 (mm)	H2 (mm)
AQm37	1"	1"	240	132	155	28.5	80	100	79	63	112
AQm60			265	147	183	29.5	90	112	85	71	124.5
AQm75			275	147	183	28.5	90	112	88	71	129

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	HT200
2	Impeller	Brass
3	O-ring	NBR
4	Mechanical seal	Carbon/Ceramic
5	Support	HT200
6	Bearing	
7	Rotor	
8	Fan cover	08F
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



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
AQm37	6.1	277	158	174	3168
AQm60	9.8	337	190	210	1960
AQm75	10.8	350	190	210	1860

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

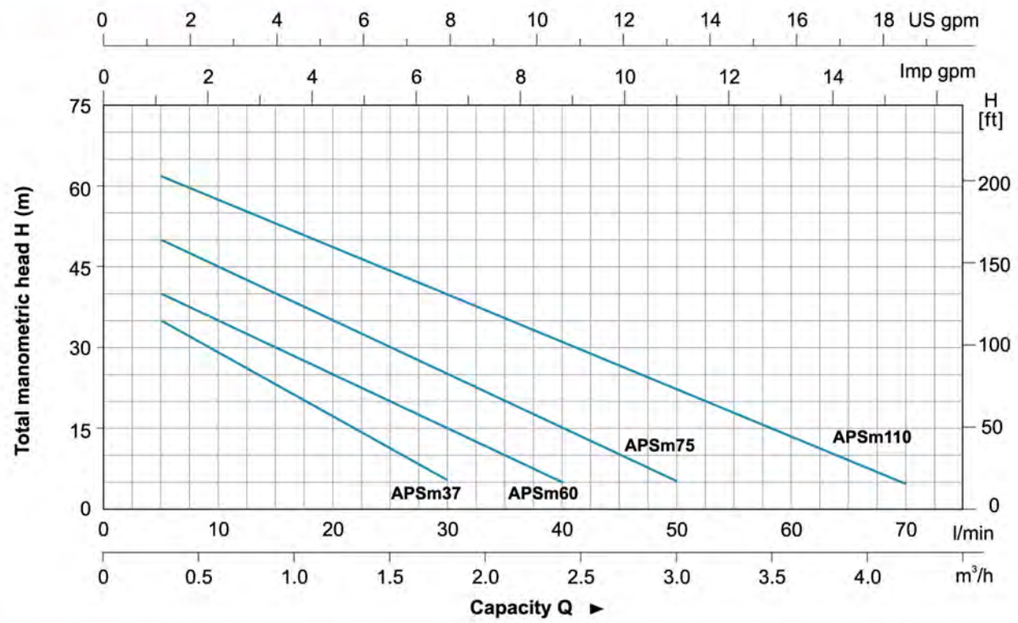
- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃
- IE2 motor for APS110

Identification Codes

A P S m 37

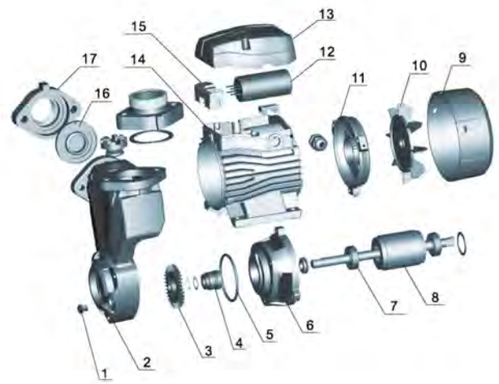
- 37 — Power (×10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- S — Self-priming
- P — Peripheral Pump
- A — LEO Product Style

Hydraulic Performance Curves



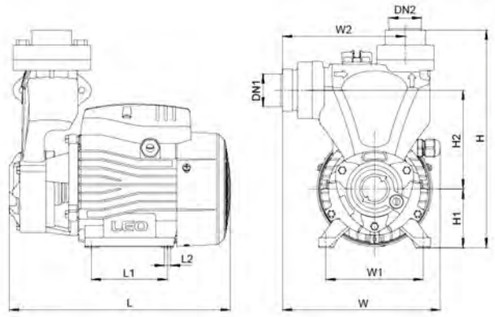
Materials Table

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



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	3.3	3.6	4.2
Single Phase	Three Phase	kW	HP	Q (l/min)	0	5	10	15	20	25	30	35	40	50	55	60	70
APSm37	——	0.37	0.5	H (m)	40	35	28	22	18	12	5	-	-	-	-	-	-
APSm60	——	0.6	0.8		45	40	32	28	22	18	12	8	5	-	-	-	-
APSm75	——	0.75	1.0		55	50	42	38	32	28	22	18	12	5	-	-	-
APSm110	APS110	1.1	1.5		65	60	55	50	45	40	35	30	25	20	15	10	5

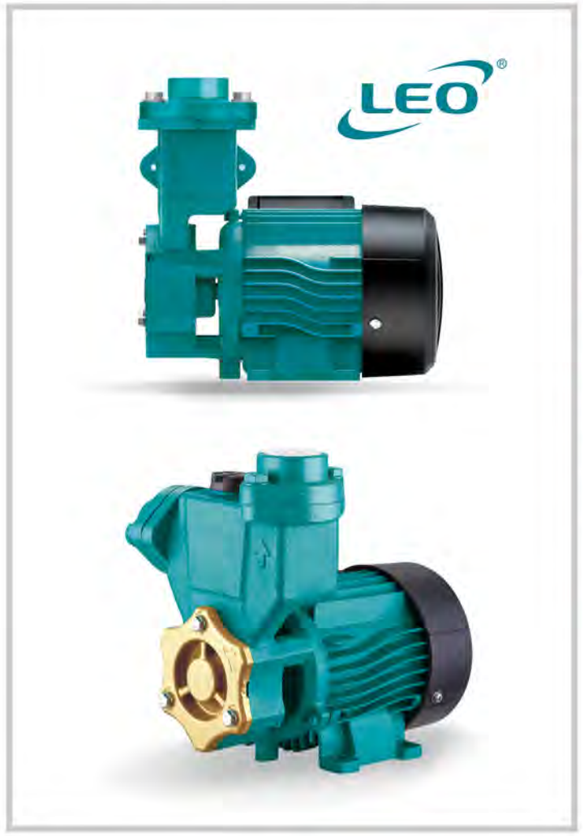


Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	W1 (mm)	W2 (mm)	H1 (mm)	H2 (mm)	L (mm)
APSm37	1"	1"	239	170	234	80	100	128	63	106	8.5
APSm60			260	180	251	90	112	132	71	120	8.5
APSm75			270	180	260	90	112	142	71	130	8.5
APSm110	1 1/2"	1 1/2"	310	200	284	100	125	149	86	138	9

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
APSm110	17.5	345	232	320	998



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

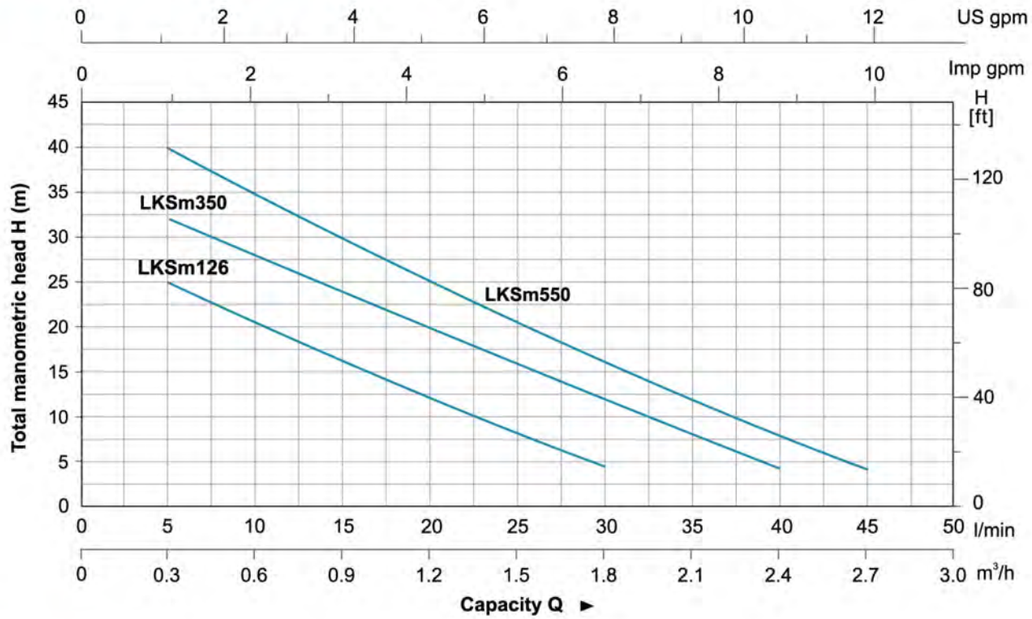
- Low noise&Long life bearing
- Copper winding
- Built-in thermal protector
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

Identification Codes

L K S m 126

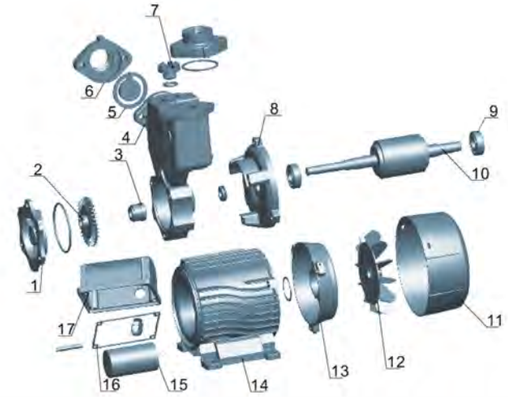
- 126 — Power (W)
- m — Single Phase Motor
- S — Self-priming
- K — Peripheral Pump
- L — LEO Product Style

Hydraulic Performance Curves



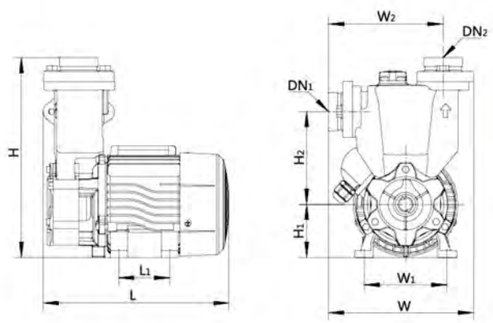
Materials Table

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	ABS



Technical Data

MODEL	POWER		Q (m³/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	-
LKSm550	0.55	0.75		45	40	35	30	25	20.5	16	12	8	4



Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	W1 (mm)	W2 (mm)	H1 (mm)	H2 (mm)
LKSm126	1"	1"	215	170	220	60	97	140	63	88.5
LKSm350			215	175	245	60	97	142	63	110
LKSm550			260	186	260	90	112	152	75	113.5

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
LKSm550	10.6	295	210	290	1526

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

- Low noise&Long life bearing
- Copper winding
- Built-in thermal protector
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

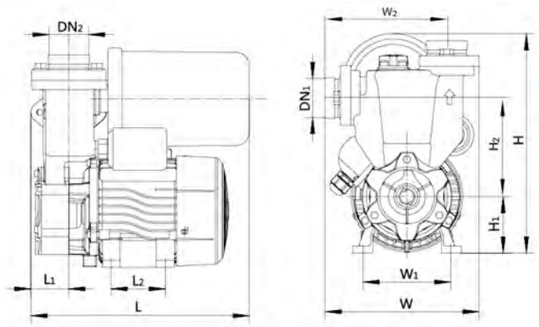
Identification Codes

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

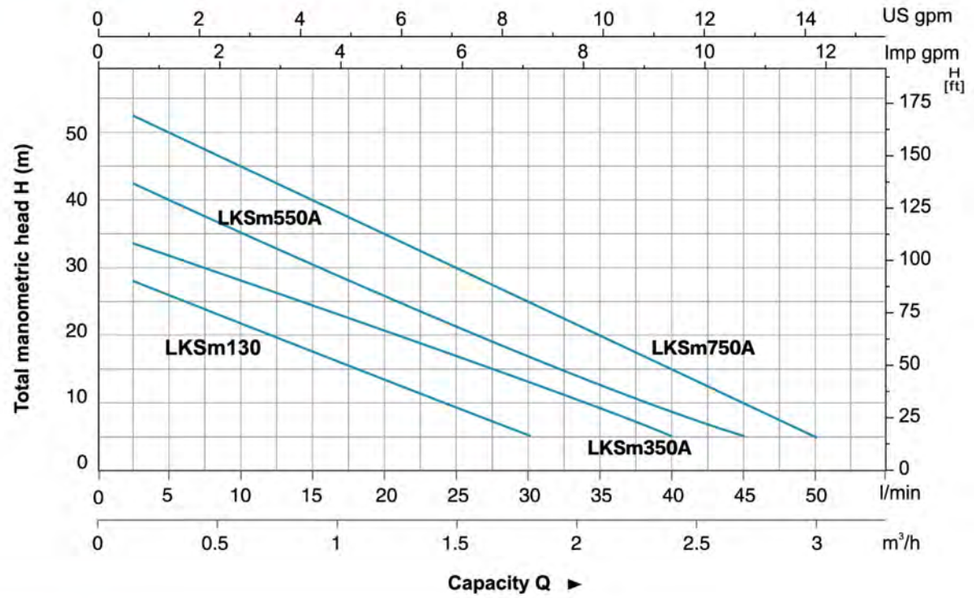
MODEL	POWER		Q (m^3/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
	kW	HP	Q (l/min)	0	5	10	15	20	25	30	35	40	45	50
LKSm130	0.125	0.17	H (m)	30	22	18	15	10	5	3	-	-	-	-
LKSm350A	0.35	0.47		35	32	27	23	18	15	12	8	3	-	-
LKSm550A	0.55	0.75		45	40	35	30	25	20	15	10	8	3	-
LKSm750A	0.75	1		55	50	45	40	35	30	25	20	15	10	5



Dimension

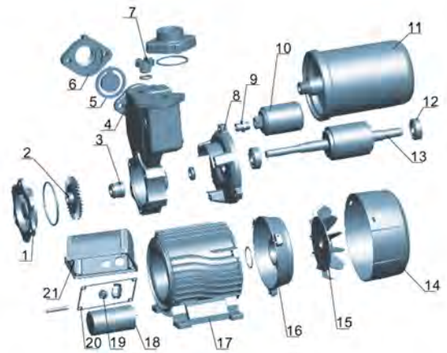
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L_1 (mm)	W_1 (mm)	W_2 (mm)	H_1 (mm)	H_2 (mm)
LKSm130	1"	1"	265	165	245	60	97	140	63	107.5
LKSm350A			265	165	250	60	97	135	63	110
LKSm550A			265	176	260	90	112	146	75	113.5
LKSm750A			265	176	260	90	112	146	75	113.5

Hydraulic Performance Curves



Materials Table

No.	Part	Material	No.	Part	Material
1	Pump bonnet	Brass/Cast iron	18	Capacitor	
2	Impeller	Brass	19	Cable holder	NBR
3	Mechanical seal	Carbon/Ceramic	20	Sealing ring	NBR
4	Pump body	HT200	21	Terminal box	ABS
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				



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
LKSm550A	11.6	290	215	305	1400
LKSm750A	13.5	290	215	310	1400

Application

- Can be used to transfer clean water or other liquids with physical properties similar to water
- Suitable for small domestic water supply, automatic sprinkler system, small air-conditioning system or supporting equipment, etc.

Pump

- The cast iron pump body and bracket have undergone special
- anti-rust treatment
- Brass impeller
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction : 8m

Motor

- Low noise & long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- Control System
- Microcomputer automatic control
- Water shortage protection
- Low temperature protection

Identification Codes

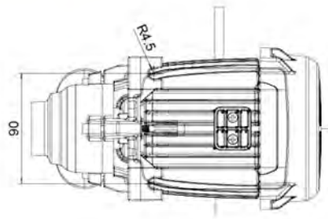
PQ 50 E

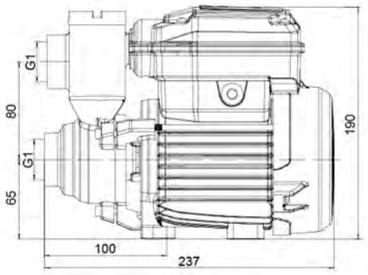
- E — Automatic (Integrated Circuit Board)
- 50 — Rated Output Power
- PQ — Vortex Pump Series

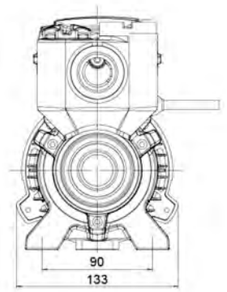
Technical Data

MODEL	Voltage	Power		Max.Head	Max.Flow	Inlet/Outlet	Liquid temperature
	V/Hz	kW	HP	m	l/min		
PQ50E	180-220V/50Hz	0.37	0.5	35	33	1"	40℃

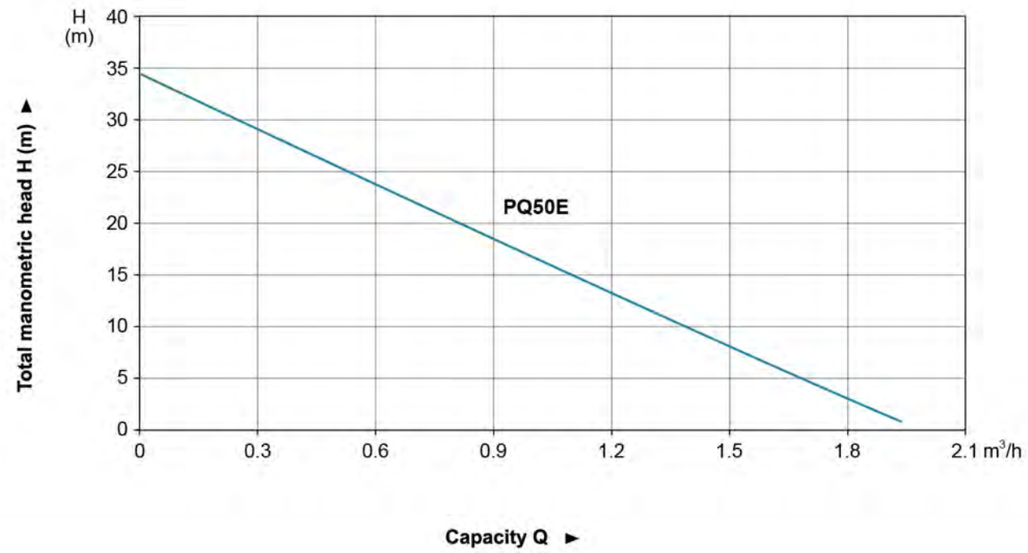
Dimension







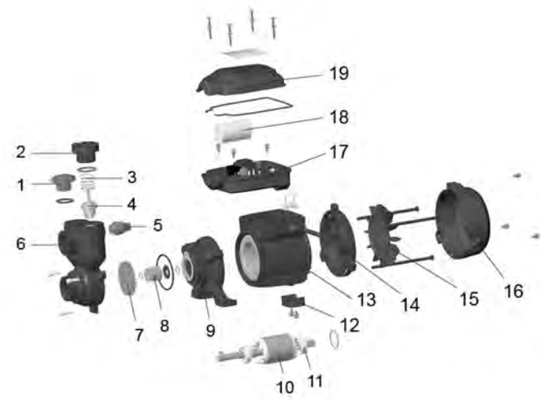
Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Water injection plug	PA6-GF25
2	Pump cover	PA6-GF25
3	Spring	304
4	Valve rod	PPO-GF30
5	Pressure sensor	
6	Pump body	HT200
7	Impeller	HPb59-1
8	Mechanical seal	Carbon/Ceramic
9	Bracket	HT200
10	Rotor	
11	Bearing	GCr15
12	Arm-brace	PP-GF30
13	Stator	

No.	Part	Material
14	Rear end cover	ADC12
15	Fan	PP-GF10
16	Fan cover	PP-GF10
17	Junction box assembly	
18	Capacitor	
19	Junction box cover	ABS



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20 TEU)
PQ50E	6.22	270	180	245	1824

APSm
Automatic Self-priming 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
- 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
- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max.ambient temperature: +40 ℃

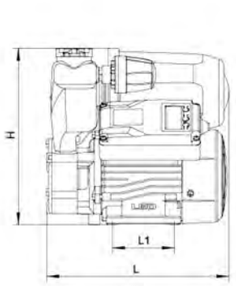
Identification Codes

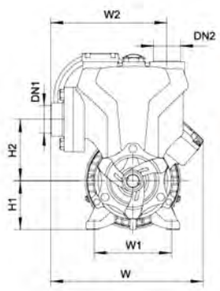
A P S m 37 AT

- 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 (m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
	kW	HP	Q (l/min)	0	5	10	15	20	25	30	35	40	45	50
APSm25AT	0.25	0.3	H (m)	25	22	20	15	10	8	5	-	-	-	-
APSm37AT	0.37	0.5		35	30	25	20	15	12	8	5	-	-	-
APSm60AT	0.6	0.8		40	35	30	25	22	18	15	10	5	-	-
APSm75AT	0.75	1.0		50	45	40	35	30	25	18	15	10	5	-

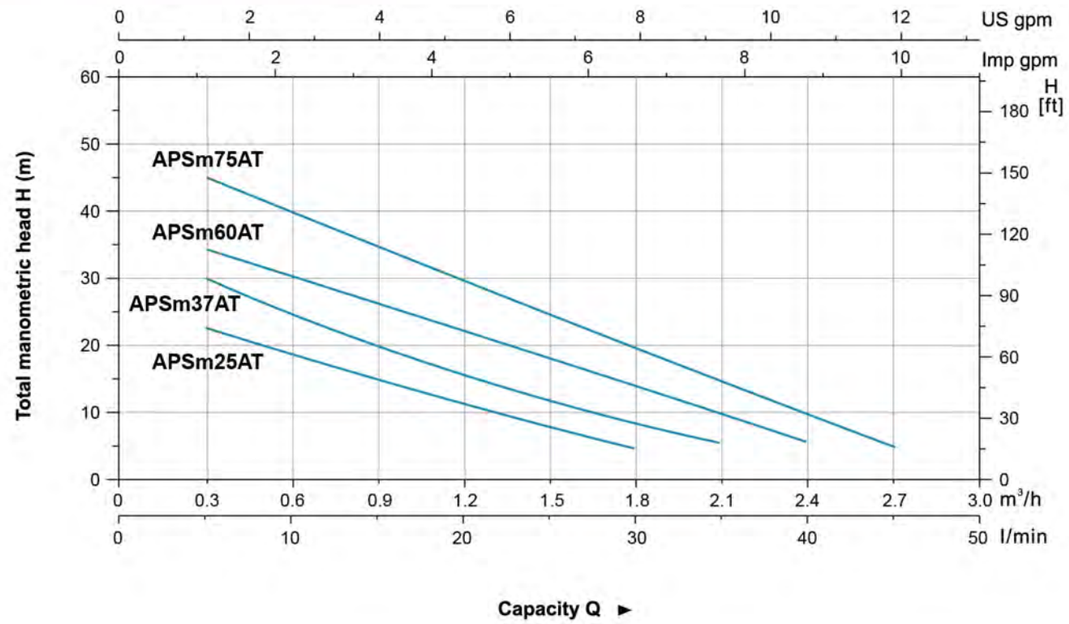




Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	W1 (mm)	W2 (mm)	H1 (mm)	H2 (mm)
APSm25AT	1"	1"	235	200	228	80	100	160	63	80
APSm37AT			235	200	228	80	100	160	63	80
APSm60AT			257	216	242	90	112	161	71	85
APSm75AT			257	216	242	90	112	161	71	85

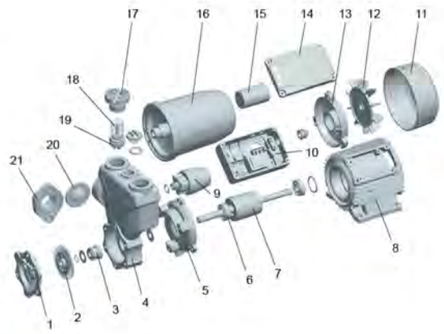
Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump Cover	Brass
2	Impeller	Brass
3	Mechanical seal	Carbon/Ceramic
4	Pump body	HT200
5	Front plate	HT200
6	Bearing	
7	Rotor	
8	Stator	
9	Pressure sensor	
10	Cover box	ABS
11	Fan cover	PP-GF10

No.	Part	Material
12	Fan	PP-GF15
13	End plate	ZL 102
14	Terminal cover	ABS
15	Capacitor	
16	Pressure tank	Iron
17	Pump head	PA66
18	Check-valve spring	AISI 304
19	Check valve	PPO
20	Sealing ring	Rubber
21	Inlet connection	HT200



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
APSm60AT	13.1	315	285	300	980
APSm75AT	14.06	315	285	300	980

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 24L pressure tank for automatic operation
- Special anti-rust treatment
- Brass impeller
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +9m

Motor

- Low noise&Long life bearing
- Copper winding
- Built-in thermal protector
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

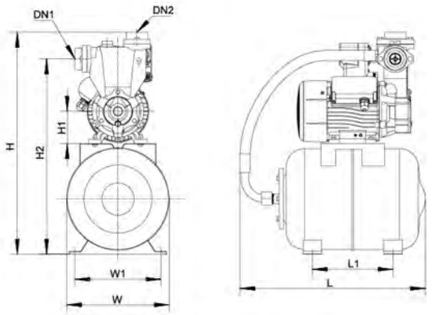
Identification Codes

L K S m 1100 A

- A — Air Tank
- 1100 — Power (W)
- m — Single Phase Motor
- S — Self-priming
- K — Peripheral Pump
- L — LEO Product Style

Technical Data

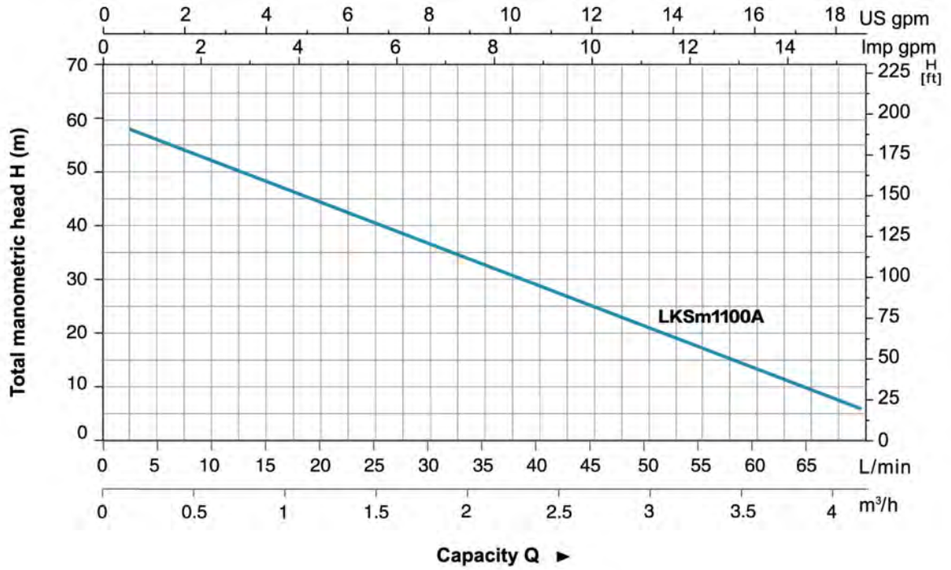
MODEL	POWER		Q (m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3	3.6	3.9	4.2
	kW	HP	Q (l/min)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
LKSm1100A	1.1	1.5	H (m)	60	56	52	48	44	40	36	32	28	24	20	16	12	8	4



Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	W1 (mm)	H1 (mm)	H2 (mm)
LKSm1100A	1 1/2"	1 1/2"	480	270	595	220	235	86	520

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Air tank	Iron
2	Stator	
3	Rear cover	ZL102
4	Fan	PP
5	Fan cover	PP
6	Flexible hose	
7	Terminal box	ABS
8	Rotor	
9	Bearing	
10	Capacitor	
11	Front plate	HT200

No.	Part	Material
12	Mechanical seal	Carbon/Ceramic
13	Impeller	Brass
14	O-ring	NBR
15	Screw	Steel
16	Pump bonnet	Brass
17	Pump body	HT200
18	Check valve	NBR
19	Outlet connector	HT200
20	Filling plug	Brass
21	Pressure switch	

Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
LKSm1100A	24	515	325	645	234

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

- Self-priming Peripheral Pump
- Brass impeller
- Brass pump bonnet
- AISI 304 shaft
- 3 second time delay of pump start after plugging into the socket to avoid potential danger caused by electric sparks
- Automatic pressure sensor inside
- Automatic switching to small flow control system in condition of small water flow
- Automatic stop in 6 minutes in case of no water inside
- Max. liquid temperature: +60℃
- Max. suction: +8 m
- Liquid pH value: 6.5 – 8.5

Motor

- Low noise&Long life bearing
- Copper winding
- Built-in thermal protector
- Low voltage operation with power design of 180V - 220V/50 Hz

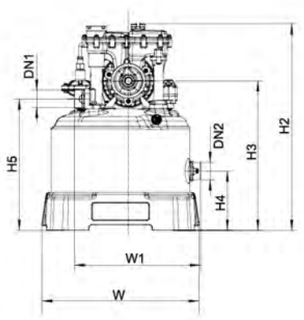
Identification Codes

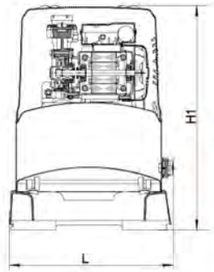
A K S m 155 A (AE)

- A — Air Tank (Electric Circuit Board)
- 155 — Power (W)
- m — Single Phase Motor
- S — Self-priming
- K — 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
	kW	HP	Q (l/min)	0	5	10	15	20	25	30	35
AKSm155A (AE)	0.155	0.2	**H (m)**	32	30	26	22	17	12	7	2

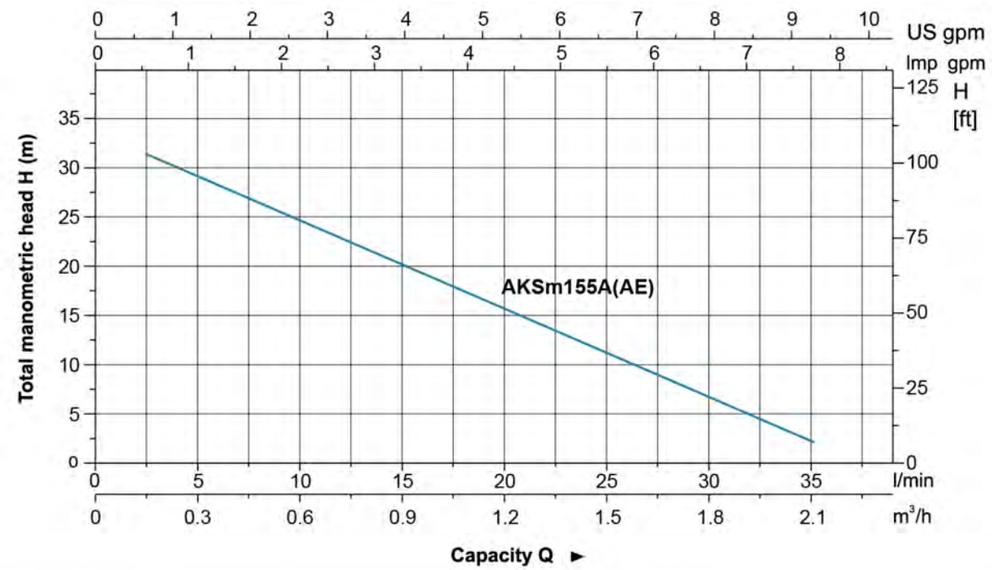




Dimension

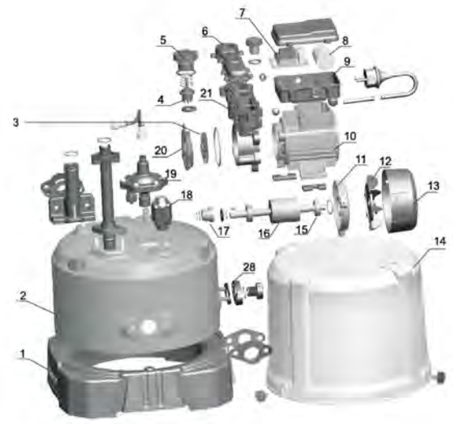
Model	DN1	DN2	L (mm)	W (mm)	W1 (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	H5 (mm)
AKSm155A (AE)	1"	1"	355	360	288	490	470	342	135	300

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Base	PP
2	Tank	Steel (ST12)
3	Impeller	Brass
4	Non-return valve	PPO
5	Pump head cover	PA66
6	Pump head	POM
7	Circuit board	
8	Capacitor	
9	Terminal box	PA6-GF25
10	Stator	
11	Rear cover	ZL102
12	Fan	PP
13	Fan cover	PP
14	Housing	PP
15	Bearing	
16	Rotor	
17	Mechanical seal	Carbon/Ceramic
18	Pressure switch	
19	Air charger	
20	Pump bonnet	Brass
21	Pump body	POM



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20 TEU)
AKSm155A (AE)	13.6	405	405	530	320

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

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

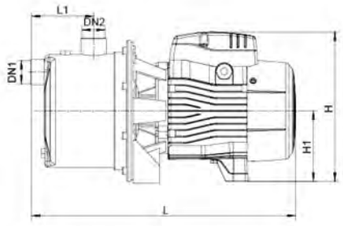
Identification Codes

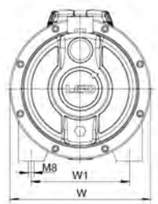
A J m 30 S

- S — Stainless Steel Pump Body
- 30 — 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	27	25	22	20	19	16	-	-	-	-
AJm60S	0.6	0.8		43	37	33	30	27	25	23	21	20	18	-	-	-
AJm75S	0.75	1.0		46	40	38	36	34	32	30	28	27	25	23	20	-
AJm90S	0.9	1.2		48	44	42	39	37	35	34	31	31	29	28	26	22

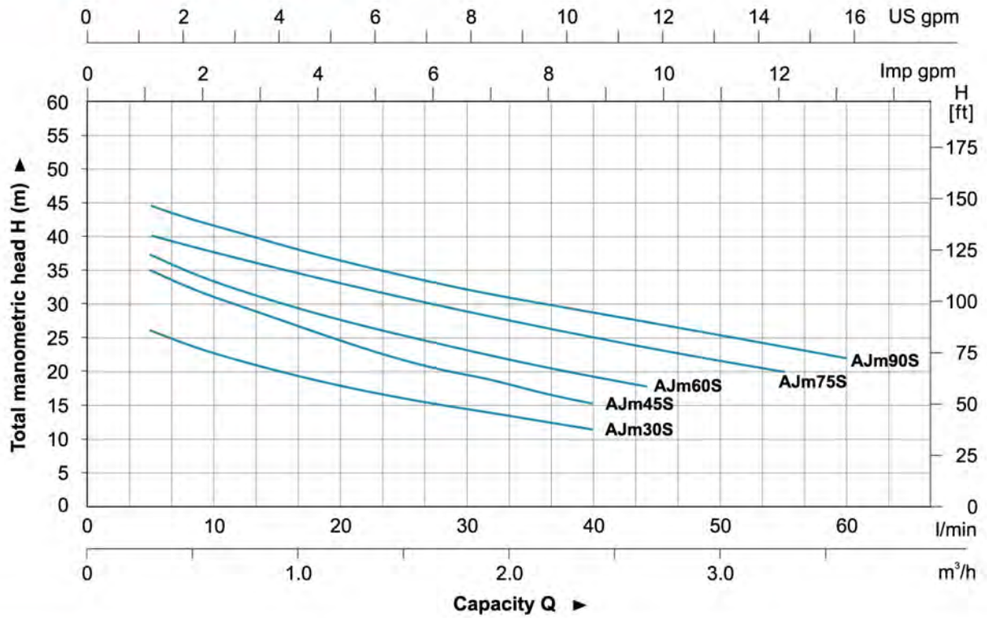




Dimension

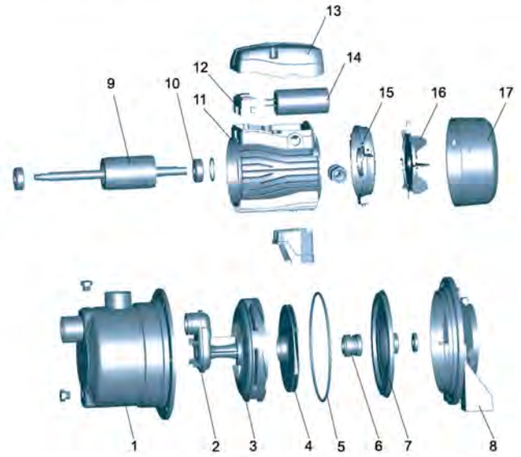
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L₁ (mm)	W₁ (mm)	H₁ (mm)
AJm30S	1"	1"	337	180	181.5	78	140	90
AJm45S			337	180	181.5	78	140	90
AJm60S			376	200	214	88.5	140	103
AJm75S			376	200	214	88.5	140	103
AJm90S			376	200	214	88.5	140	103

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	6.9	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

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

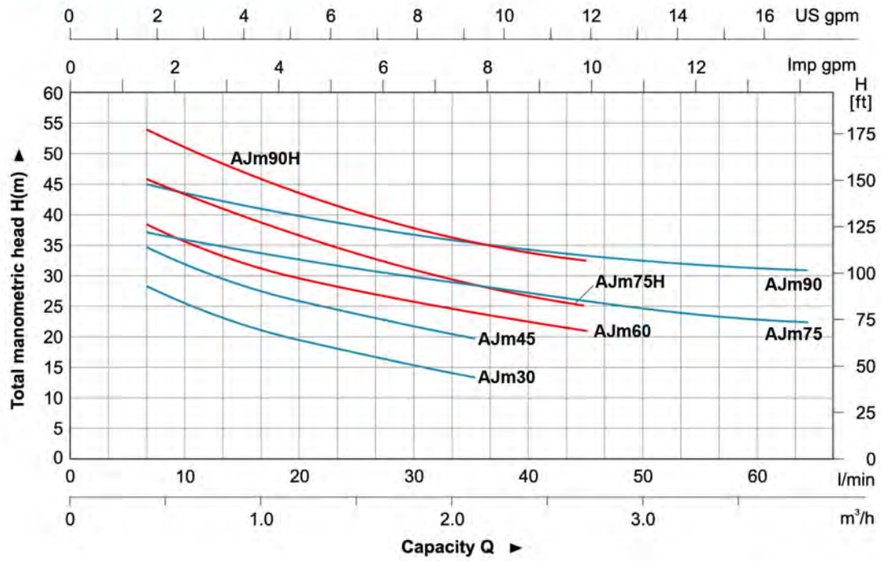
- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

Identification Codes

A J m 75 (H)

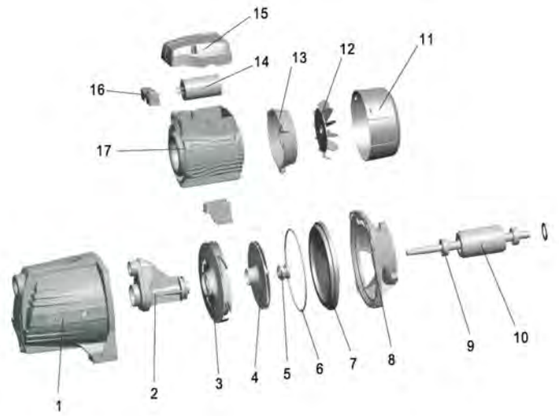
- (H) — High Head
- 75 — Power (×10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- J — Jet Pump
- A — LEO Product Style

Hydraulic Performance Curves



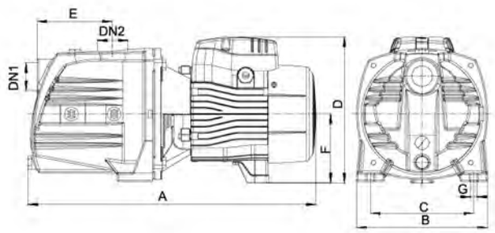
Materials Table

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	ZL 102
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	



Technical Data

MODEL	POWER		Q (m³/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

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

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

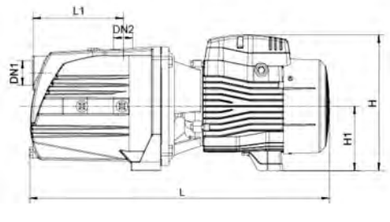
Identification Codes

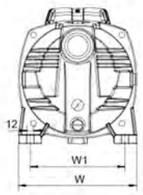
A J m 110 (L)

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

Technical Data

MODEL	POWER		Q (m³/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
	kW	HP	Q (l/min)	0	10	15	20	25	30	35	40	45	50	60	70	80	100	120	140
AJm110H	1.1	1.5	H (m)	56	50	46	44	42	40	38	36	34	32	30	28	-	-	-	-
AJm150H	1.5	2		71	65	61	59	57	54	51	48	45	43	39	34	-	-	-	-
AJ(m)220H	2.2	3		85	78.5	78	73	72	70	67	61.5	61	59	53	42	-	-	-	-
AJm110	1.1	1.5		55	52	49	48	46	45	43	42	41	40	37	35	33	27	-	-
AJm150	1.5	2		60	56	55	53	52	49	48	46	45	44	42	40	36	33	-	-
AJ220	2.2	3		72	70	68	66	65	63	61	59	57	56	54	51	48	44	-	-
AJm110L	1.1	1.5		48	45	44	43	42	41	40	39	38	36	34	32	30	24	17	9
AJm150L	1.5	2		55	53	52	51	49	48	46	45	44	43	42	39	38	34	31	26
AJ220L	2.2	3		55	53	52	49.5	48	47.5	46.5	45	44	43	42.5	41	40	36	34	32

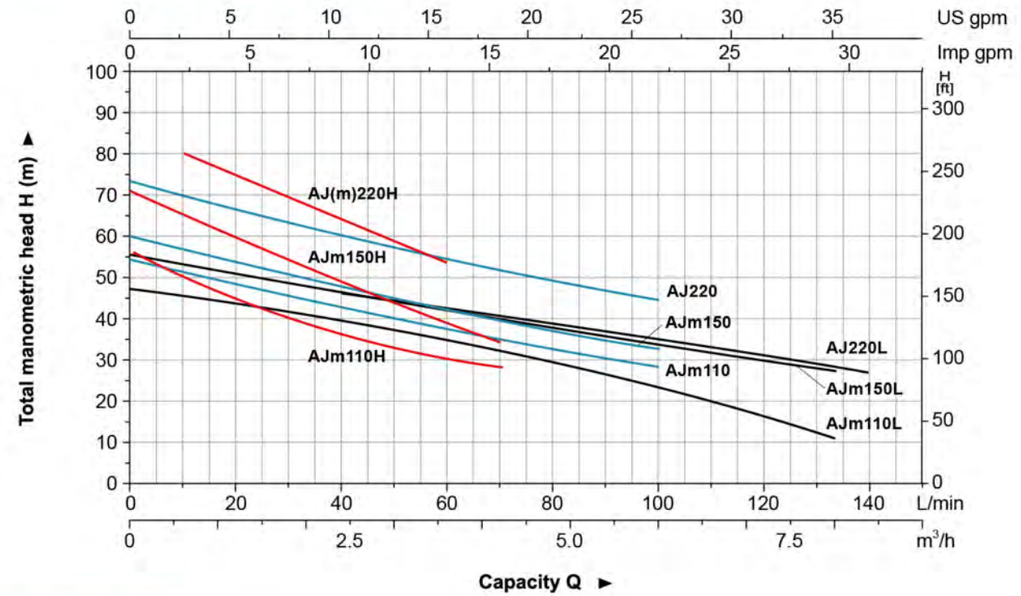




Dimension

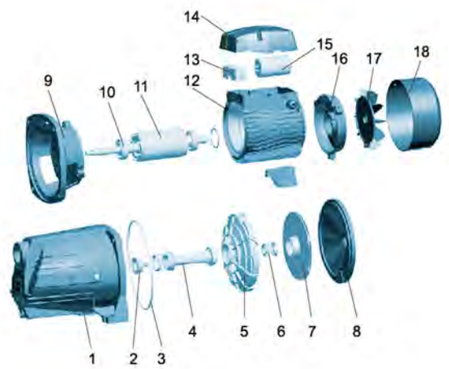
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	W1 (mm)	H1 (mm)
AJm110	1¼"	1"	512	206	236	153	178	112
AJm110H			512	206	236	153	178	112
AJm110L			512	206	236	153	178	112
AJm150			512	206	236	153	178	112
AJm150H			512	206	236	153	178	112
AJm150L			512	206	236	153	178	112
AJ220	1½"	1½"	512	206	236	153	178	112
AJ(m)220H			512	206	236	153	178	112
AJ220L			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
AJ(m)220H	26.0	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.

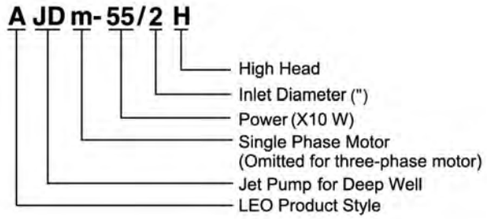
Pump

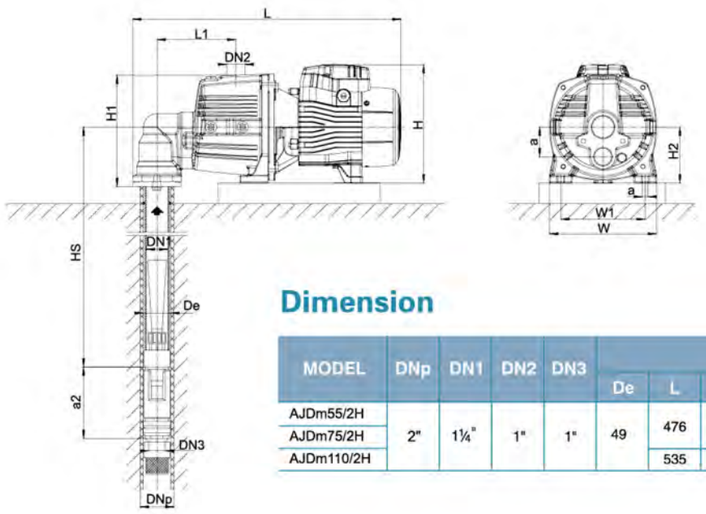
- Cast iron pump body and support under special anti-rust treatment
- Stainless steel impeller
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +40 m

Motor

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

Identification Code





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			

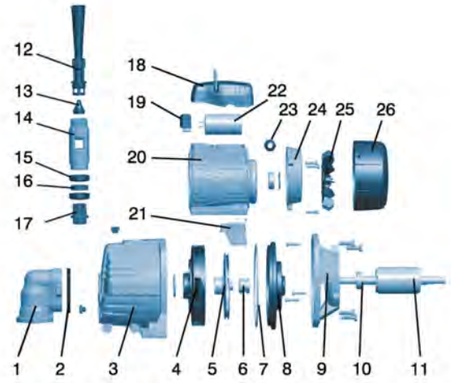
Technical Data

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
1	Elbow	HT200
2	Gasket seal	NBR
3	Pump body	HT200
4	Diffuser	PPO
5	Impeller	AISI 304
6	Mechanical seal	Carbon/Ceramic
7	O-ring	NBR
8	Support cover	AISI 304/HT200
9	Support	ZL102
10	Bearing	
11	Rotor	
12	Venturi tube	PPO
13	Nozzle	PPO

No.	Part	Material
14	Ejector	HT200
15	Sealing cup	NBR
16	Copper sheathing	HPb59-1
17	Copper sleeve	HPb59-1
18	Terminal box	PA6-GF25
19	Terminal board	PC
20	Stator	
21	Motor foot	PA6
22	Capacitor	
23	Cable holder	
24	Rear cover	ZL102
25	Fan	PP
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

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

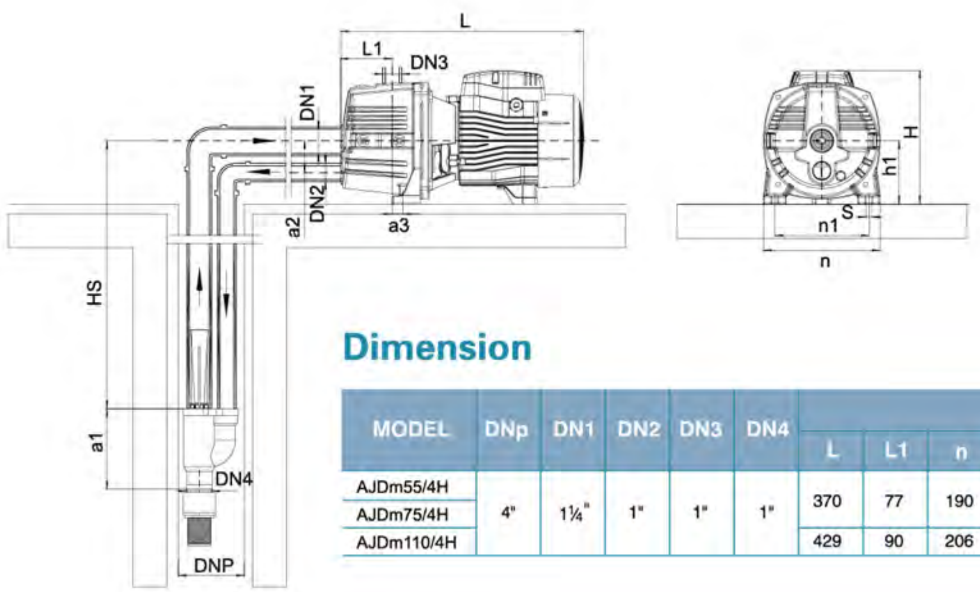
Motor

- Low noise&Long life bearing
- Motor with copper winding
- 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	

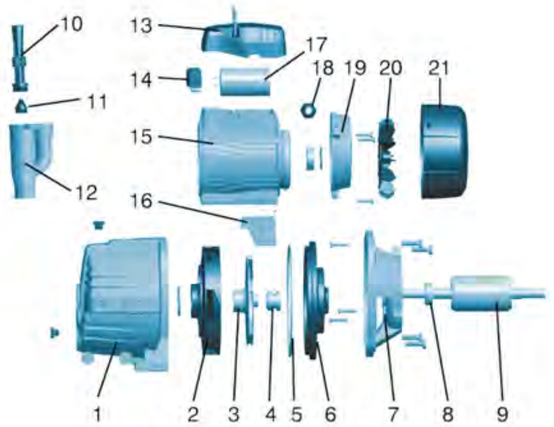
Technical Data

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
1	Pump body	HT200
2	Diffuser	PPO
3	Impeller	Stainless steel
4	Mechanical seal	Carbon/Ceramic
5	O-ring	NBR
6	Support cover	AISI 304/HT200
7	Support	ZL102
8	Bearing	
9	Rotor	
10	Venturi tube	PPO
11	Nozzle	PPO

No.	Part	Material
12	Ejector	HT200
13	Terminal box	PA6-GF25
14	Terminal board	PC
15	Stator	
16	Motor foot	PA6
17	Capacitor	
18	Cable holder	
19	Rear cover	ZL102
20	Fan	PP
21	Fan cover	PP



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
- 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 conditioning, 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

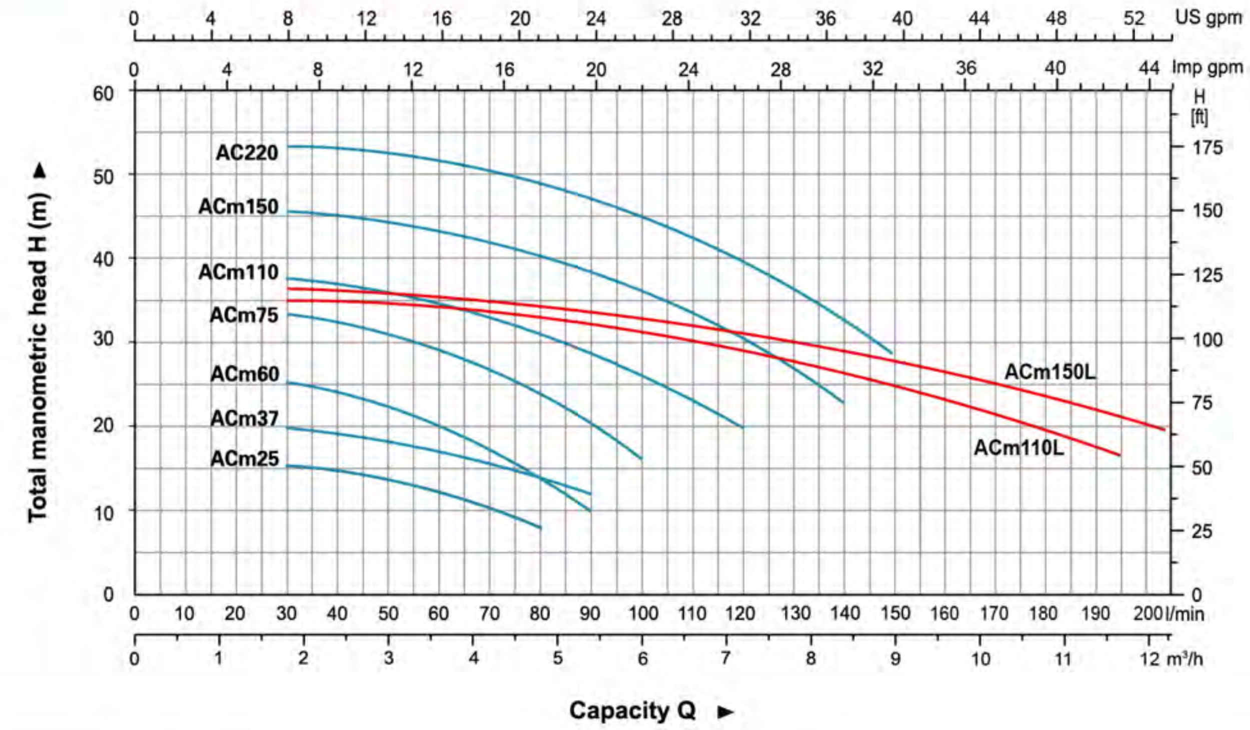
- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃
- IE 2 motor (Three phase, power ≥ 0.75kW)

Identification Codes

A C m 110 (L)

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

Hydraulic Performance Curves

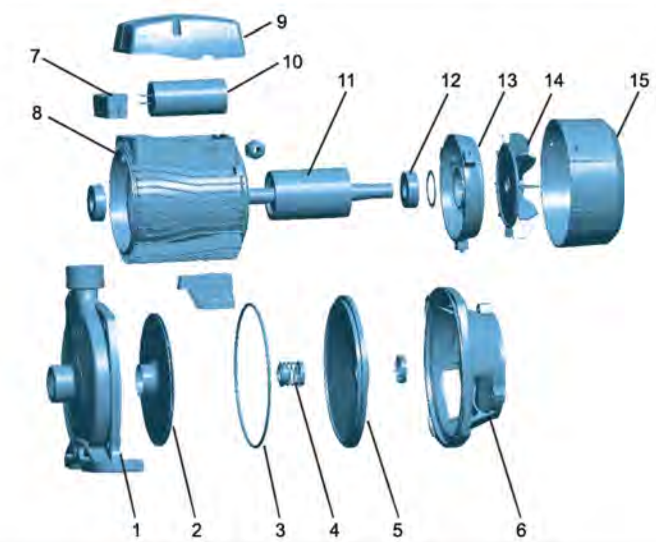


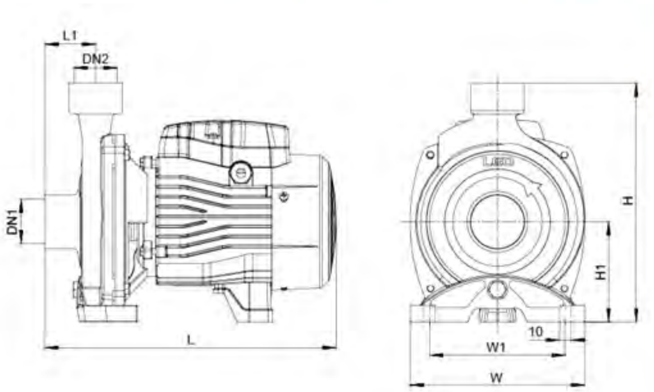
Technical Data

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	9.6	10.8	11.7	12.6
Single Phase	Three Phase	kW	HP	Q (l/min)	0	10	15	20	30	40	50	60	70	75	80	90	100	110	120	130	140	150	160	180	195	200
ACm25	—	0.25	0.3	H (m)	17	16.5	16.2	16	15.5	14.5	3.5	12.5	10.5	9.5	8	-	-	-	-	-	-	-	-	-	-	-
ACm37	—	0.37	0.5		23	21.5	21	21	20.5	19.5	18	17	15.5	14.5	14	12	-	-	-	-	-	-	-	-	-	-
ACm60	AC60	0.6	0.8		27	26.5	26.2	26	25	24.5	22.5	20	17	15.5	14	10	-	-	-	-	-	-	-	-	-	-
ACm75	AC75	0.75	1.0		36	35	34	33.5	33	32	31	29	27	26	23.5	20	16	-	-	-	-	-	-	-	-	-
ACm110	AC110	1.1	1.5		40	39	38	38	37.5	37	36	35	33	32	31	29	26	23	20	-	-	-	-	-	-	-
ACm150	AC150	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	-	-	-	-	-
---	AC220	2.2	3		55	54.5	53	53.5	53	52.5	51.5	50.5	49.5	48	48.5	47	45.5	43.5	40	36.5	32.5	28	-	-	-	-
ACm110L	AC110L	1.1	1.5		34.5	34.3	34.2	34.1	34	33.8	33.5	33	32.5	32.3	32	31	30.5	29.5	28.5	27.5	26.5	25	23.5	20	16.5	-
ACm150L	AC150L	1.5	2		37.5	37.2	37	36.9	36.6	36.2	35.8	35.4	35	34.8	34.7	34	33.3	32.5	31.5	30.5	29.5	28.2	27	24	21	19

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	AISI 304/HT200
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





Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	W1 (mm)	H1 (mm)
ACm25	1"	1"	270	157	216	42	122	90
ACm37			270	157	216	42	122	90
ACm60			298	190	240	44	160	90
ACm75			298	190	240	44	160	100
ACm110	1¼"	1"	359	206	263	50	178	112
ACm150			360	240	286	51	207	115
AC 220			360	240	286	51	207	115
ACm110L	1½"	1"	356	206	265	48.5	178	112
ACm150L			356	206	265	48.5	178	112

Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ACm25	7.9	290	185	239	2124
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
AC220	23.3	425	265	310	770
ACm110L	18.4	383	233	287	987
ACm150L	19.35	383	233	287	987

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 conditioning, 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

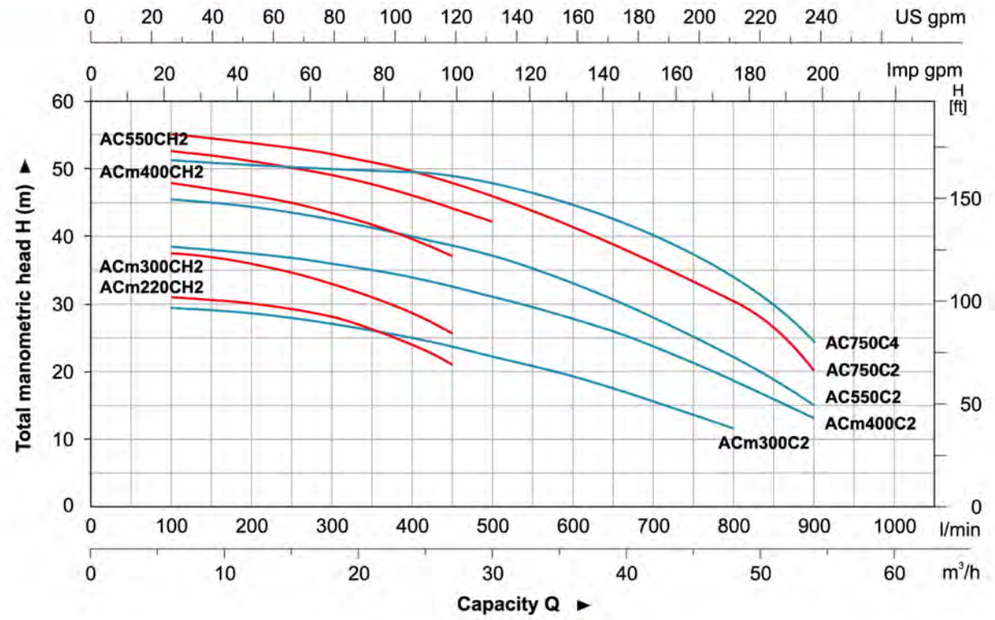
- Low noise&Long life bearing
- Motor with copper winding
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃
- IE 2 motor (Three phase, power ≥ 0.75kW,AC750C2 and AC750C4 excluded)

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

Hydraulic Performance Curves

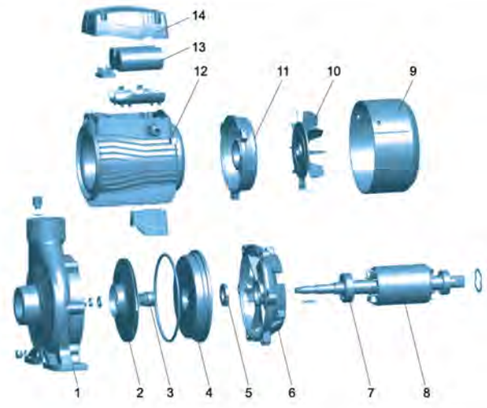


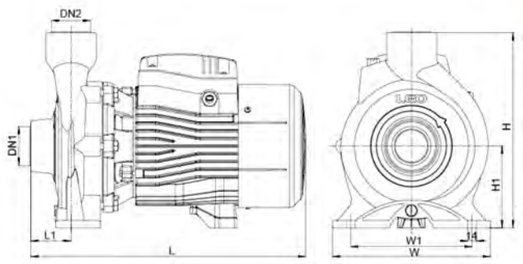
Technical Data

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	5.5		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
----	AC750C2	7.5	10		56.5	55	55	54.5	53.5	52.5	50	48.5	46.5	42	36.5	30.5	20
----	AC750C4	7.5	10		52.5	52	52	51.5	51	50.5	48	46.5	44.5	40	35.5	30.5	24

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





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
AC750C2			515	290	360	85	216	150
AC750C4	4"	3"	525	290	360	95	216	150

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
AC750C2	62	587	338	417	305
AC750C4	63.7	587	338	417	305

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 conditioning, 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

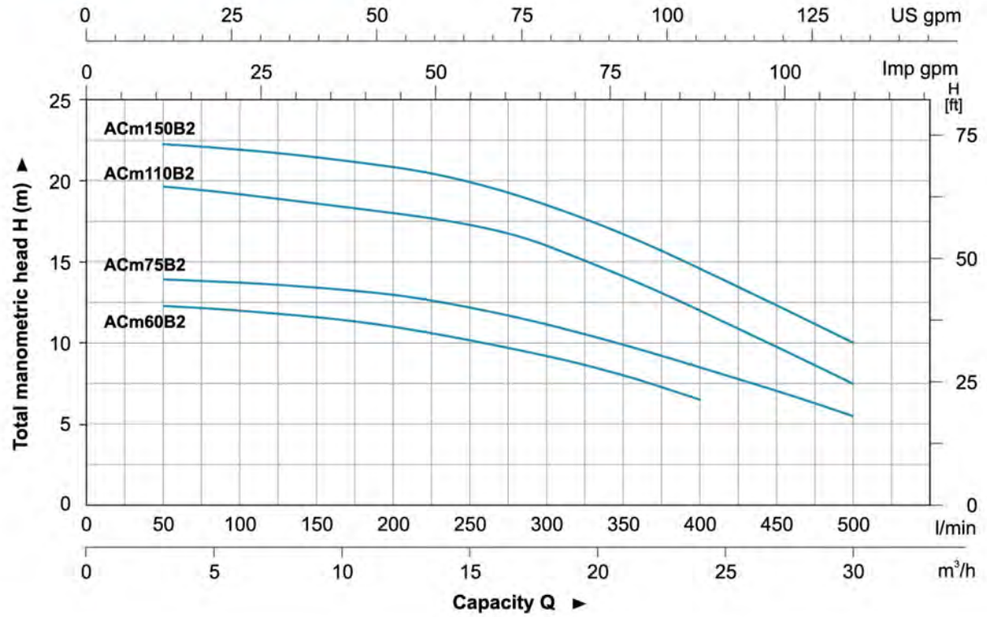
- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃
- IE 2 motor (Three phase, power ≥ 0.75kW)

Identification Codes

A C m 110 B 2

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

Hydraulic Performance Curves

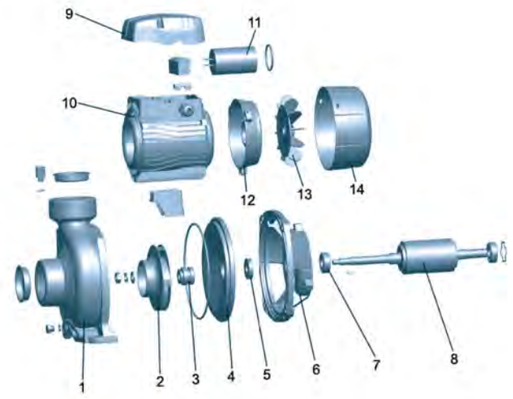


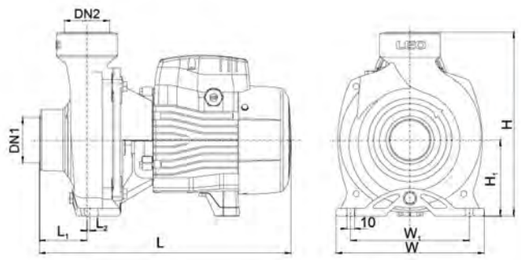
Technical Data

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
ACm60B2	AC60B2	0.6	0.8	H (m)	12.5	12	11.7	11	10.2	9.2	8	6.5	-
ACm75B2	AC75B2	0.75	1		14	13.7	13.5	13	12.3	11.2	9.9	8.5	5.5
ACm110B2	AC110B2	1.1	1.5		19.5	19.2	19	18.5	17.7	16.5	15	13	8.5
ACm150B2	AC150B2	1.5	2		22	21.5	21	20.5	19.5	18.3	16.5	14.5	9.5

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





Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	L2 (mm)	W1 (mm)	H1 (mm)
ACm60B2	2"	2"	331	195	242	62.5	4	156	100
ACm75B2	2"	2"	331	195	242	62.5	4	156	100
ACm110B2	2"	2"	378	206	263	59	3.5	166	112
ACm150B2	2"	2"	378	206	263	59	3.5	166	112

Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20 TEU)
ACm60B2	14.4	375	214	265	1264
ACm75B2	15.2	375	214	265	1264
ACm110B2	19.9	415	225	285	945
ACm150B2	20.7	415	225	285	945

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 conditioning, 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
- AISI304 welding shaft
- Max. liquid temperture: +60°C
- Max.suction: + 8m

Motor

- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperture: +40°C
- S1 Duty

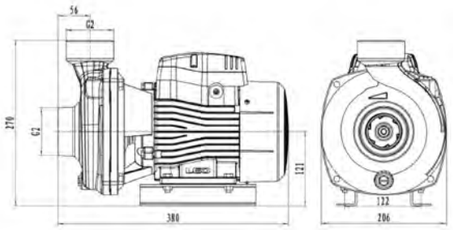
Identification Codes

A C m 220 B 2

- Inlet/Outlet Diameter
- Features
- Power (x10W)
- Single Phase Motor
- Centrifugal Pump
- LEO Product Style

Technical Data

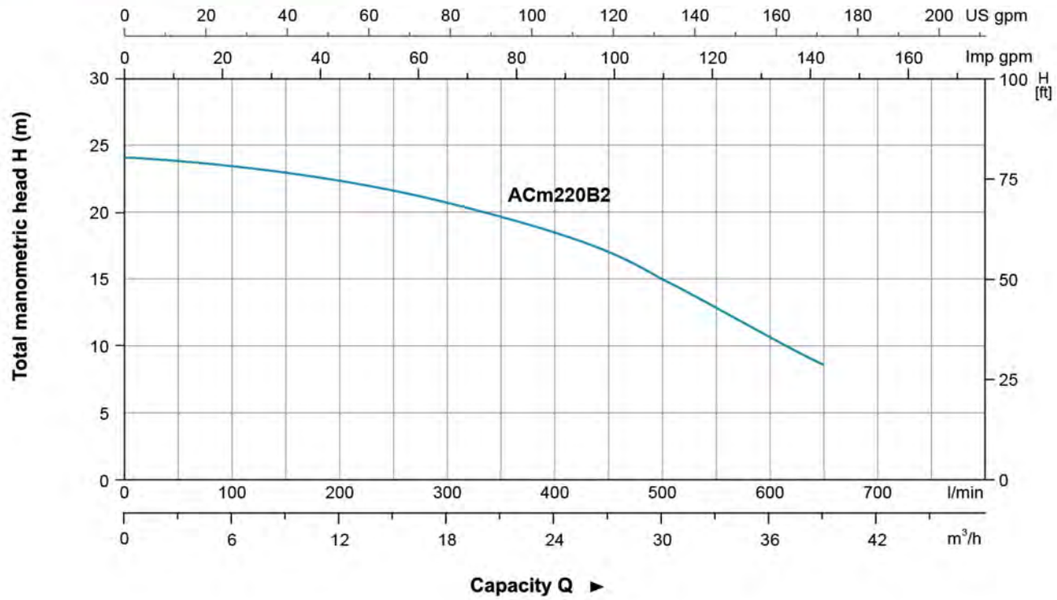
Model	Power		Q(m³/h)	0	6	12	18	19	24	30	36	38.9
	kW	HP	Q(l/min)	0	100	200	300	316.7	400	500	600	648.3
ACm220B2	2.2	3.0	**H(m)**	23.9	23.8	22.7	21.1	20.9	18.6	15.2	10.1	8.2



Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	W1 (mm)	H1 (mm)
ACm220B2	2"	2"	380	206	270	122	121

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Filling plug	Copper
2	Pump body	HT200
3	Impeller	Brass
4	Mechanical seal	Carbon/Ceramic
5	Support Cover	HT200
6	Water proof ring	
7	Support	ZL102
8	Bearing	
9	Rotor	
10	Fan cover	PP
11	Fan	PP
12	Rear cover	ZL102

No.	Part	Material
13	Base	65Mn
14	Stator	
15	Terminal board	PC+ABS
16	Screw	
17	Terminal box	PA6-GF25
18	Capacitor	
19	Pressure clamp	PC+ABS
20	Cable Holder	

Package Information

Model	GW (kg)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20 TEU)
ACm220B2	23	416	248	286	819

Power ⩽ 1.5kW

Power ⩾ 2.2kW

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 conditioning, 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

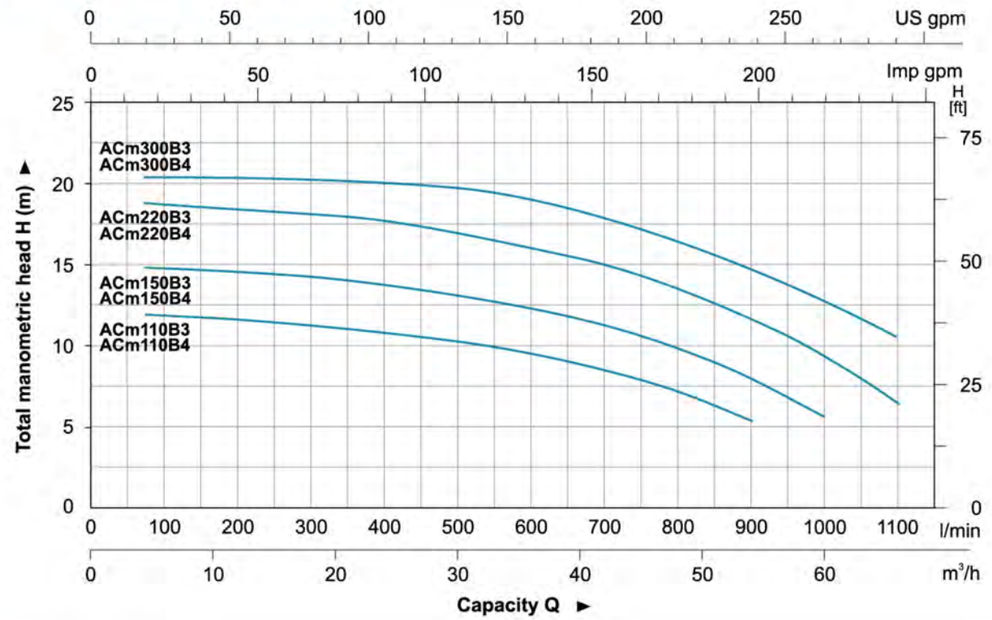
- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor (≤1.5 kW)
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃
- IE 2 motor (Three phase, power ≥ 0.75kW)

Identification Codes

A C m 220 B 3

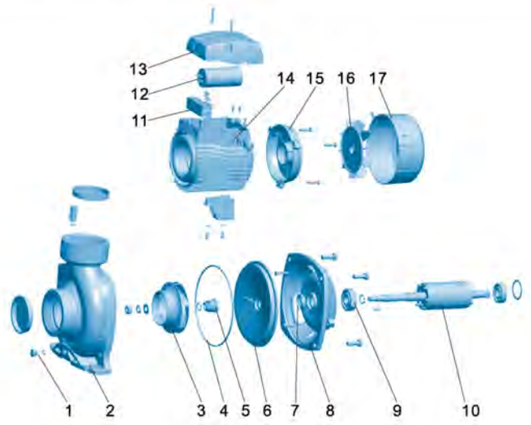
- 3 — Inlet Diameter (")
- B — Features
- 220 — Power (×10W)
- m — Single Phase Motor (Omitted for three-phase motor)
- C — Centrifugal Pump
- A — LEO Product Style

Hydraulic Performance Curves



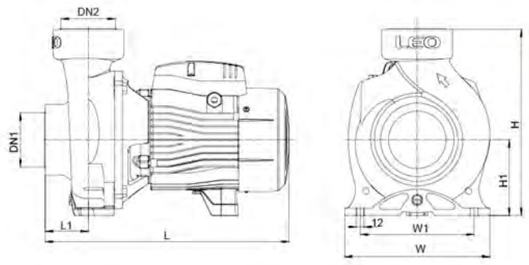
Materials Table

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



Technical Data

MODEL		POWER		Q (m³/h)	0	12	18	24	30	36	42	48	54	60	66	71
Single Phase	Three Phase	kW	HP	Q (l/min)	0	200	300	400	500	600	700	800	900	1000	1100	1200
ACm110B3	AC110B3	1.1	1.5	H (m)	12.5	12.5	12.1	11.5	10.5	9.5	8.4	7.1	5.5	-	-	-
ACm110B4	AC110B4	1.1	1.5		12.5	12.5	12.1	11.5	10.5	9.5	8.4	7.1	5.5	-	-	-
ACm150B3	AC150B3	1.5	2		14.5	14.3	14	13.5	12.8	12	11.2	9.9	8.4	6	-	-
ACm150B4	AC150B4	1.5	2		14.5	14.3	14	13.5	12.8	12	11.2	9.9	8.4	6	-	-
ACm220B3	AC220B3	2.2	3		17.5	17.3	17.1	16.5	16	15.2	14.2	13.2	11.7	10	7.2	-
ACm220B4	AC220B4	2.2	3		17.5	17.3	17.1	16.5	16	15.2	14.2	13.2	11.7	10	7.2	-
ACm300B3	AC300B3	3	4		20	19.8	19.6	19.5	19	18.3	17.5	16.2	14.6	13	11.5	10
ACm300B4	AC300B4	3	4		20	19.8	19.6	19.5	19	18.3	17.5	16.2	14.6	13	11.5	10



Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	W1 (mm)	H1 (mm)
ACm110B3	3"	3"	386	230	295	68	180	120
ACm110B4	4"	4"	393	230	295	75	180	120
ACm150B3	3"	3"	386	230	295	68	180	120
ACm150B4	4"	4"	393	230	295	75	180	120
ACm220B3	3"	3"	453	230	295	68	180	120
ACm220B4	4"	4"	460	230	295	75	180	120
ACm300B3	3"	3"	453	230	295	68	180	120
ACm300B4	4"	4"	460	230	295	75	180	120

Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ACm110B3	26.3	433	255	332	684
ACm110B4	29.5	433	255	332	675
ACm150B3	27.2	433	255	332	684
ACm150B4	30.4	433	255	332	655
ACm220B3	34.8	522	288	331	510
ACm220B4	38	522	288	331	496
ACm300B3	37.3	522	288	331	506
ACm300B4	40.5	522	288	331	467

Power ⩽ 1.5kW

Power ⩾ 2.2kW

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 conditioning, 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

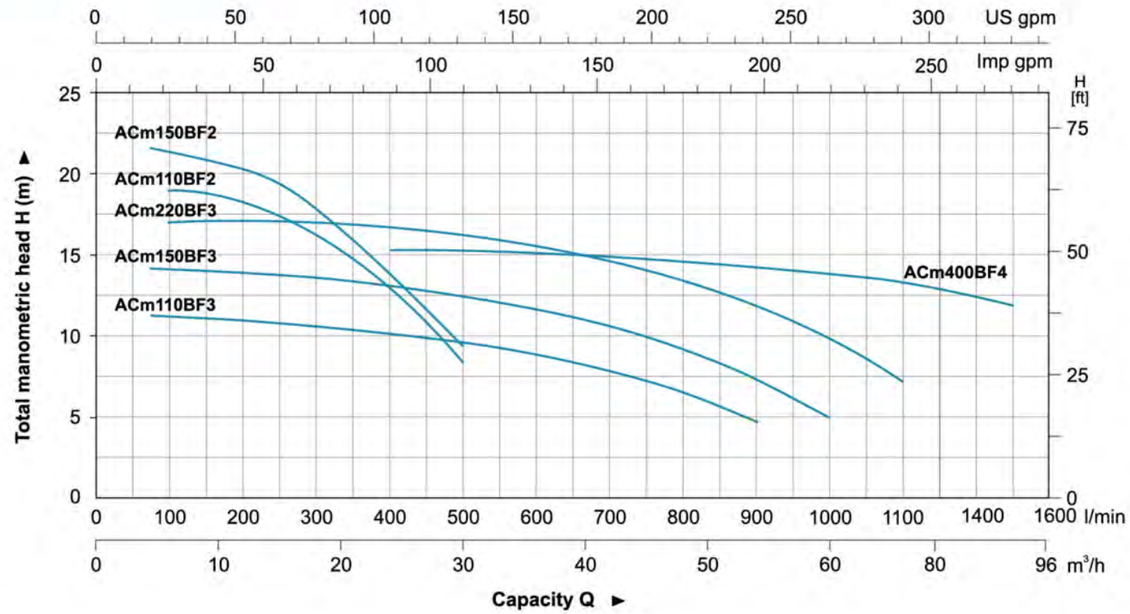
- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor (≤1.5 kW)
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃
- IE 2 motor (Three phase, power ≥ 0.75kW)

Identification Codes

A C m 150 B F 2

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

Hydraulic Performance Curves

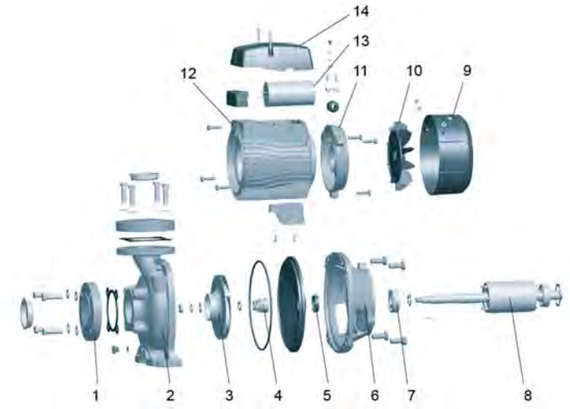


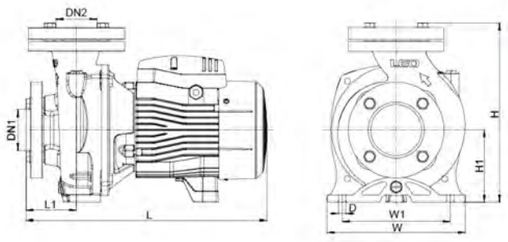
Technical Data

MODEL		POWER		Q (m³/h)	0	12	18	24	30	36	42	48	54	60	66	72	84	96
Single Phase	Three Phase	kW	HP	Q (l/min)	0	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600
ACm110BF2	AC110BF2	1.1	1.5	H (m)	19.5	18.5	16.5	13	8.5	-	-	-	-	-	-	-	-	-
ACm110BF3	AC110BF3	1.1	1.5		12.5	12.5	21.1	11.5	10.5	9.5	8.4	7.1	5.5	-	-	-	-	-
ACm150BF2	AC150BF2	1.5	2		22	20.5	18.3	14.5	9.5	-	-	-	-	-	-	-	-	-
ACm150BF3	AC150BF3	1.5	2		14.5	14.3	14	13.5	12.8	12	11.2	9.9	8.4	6	-	-	-	-
ACm220BF3	AC220BF3	2.2	3		17.5	17.3	17.1	16.5	16	15.2	14.2	13.2	11.7	10	7.2	-	-	-
ACm400BF4	AC400BF4	4	5.5		16.5	-	-	16	15.8	15.5	15.3	15.3	15	14.7	14.4	14	13.2	12.1

Materials Table

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





Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	W1 (mm)	H1 (mm)	D (mm)
ACm110BF2	2"	2"	392	206	270	64.5	166	112	10
ACm110BF3	3"	3"	403	230	300	86	180	120	12
ACm150BF2	2"	2"	392	206	270	64.5	166	112	10
ACm150BF3	3"	3"	403	230	300	86	180	120	12
ACm220BF3	3"	3"	471	230	300	86	180	120	12
ACm400BF4	4"	4"	593	281.5	398	120.5	206	160	16

Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20 TEU)
ACm110BF2	22.2	414	230	300	900
ACm150BF2	24	414	230	300	833
ACm110BF3	31.5	433	255	332	634
ACm150BF3	32.5	433	255	332	615
ACm220BF3	40	522	288	332	500
ACm400BF4	72.8	658	330	457	204

XGm

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 conditioning, 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℃
- Max. suction: 8 m

Motor

- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃
- IE2 motor for XG/1A

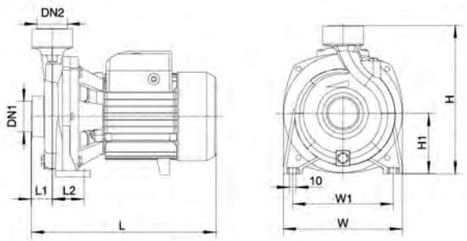
Identification Codes

XG m / 1 A

- A: Original Impeller; B: Impeller with Cut
- Semi-open Impeller
- Single Phase Motor (Omitted for three-phase motor)
- Centrifugal Pump

Technical Data

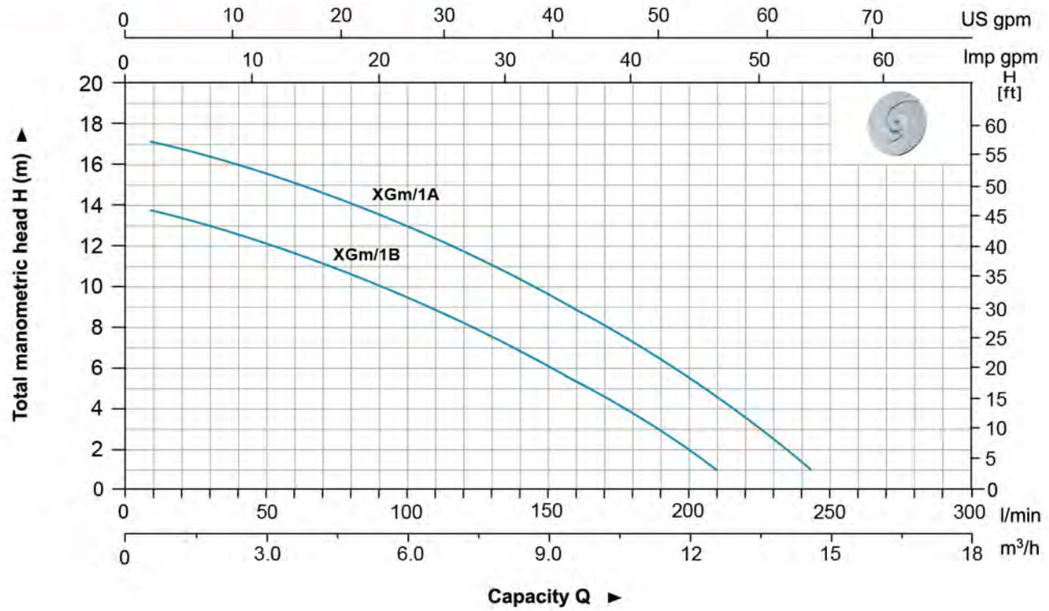
Model		POWER		Q (m³/h)	0	2.4	4.2	6	7.8	9.6	11.4	13.2	14.7
Single Phase	Three Phase	kW	HP	Q (l/min)	0	40	70	100	130	160	190	220	245
XGm/1A	XG/1A	0.75	1	H (m)	17.5	16	14.5	13	11	9	6.5	3.5	1
XGm/1B	XG/1B	0.6	0.8		14	12.5	11	9.5	7.5	5.5	3	-	-



Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	L2 (mm)	W1 (mm)	H1 (mm)
XGm/1A	1 1/2"	1 1/2"	295	191	235	44	48	160	96.5
XGm/1B									

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	HT200
2	Impeller	Brass
3	Mechanical seal	Carbon/Ceramic
4	Bracket cover	AISI 304
5	Support	ZL102
6	Bearing	
7	Rotor	
8	Stator	
9	Capacitor	
10	Rear cover	ZL102
11	Fan	PP
12	Fan cover	08F

Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XGm/1A	13	325	242	265	1512
XGm/1B	11.5	325	242	265	1512

Power ⩽ 2.2kW

Power ⩾ 3kW

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 conditioning, 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

- Low noise&Long life bearing
- Motor with copper winding
- 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

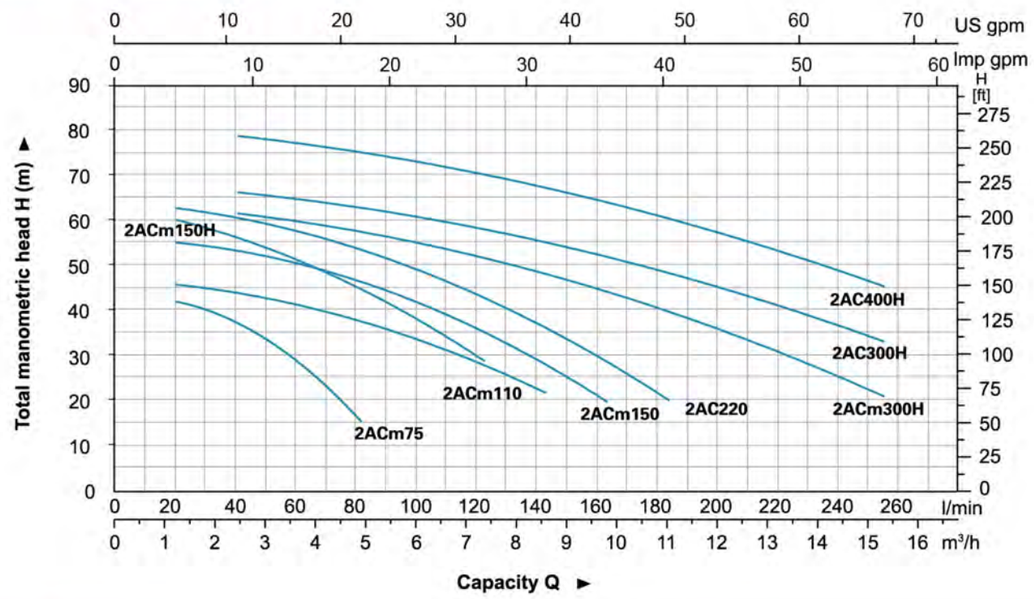
2 A C m 150 (H)

- (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

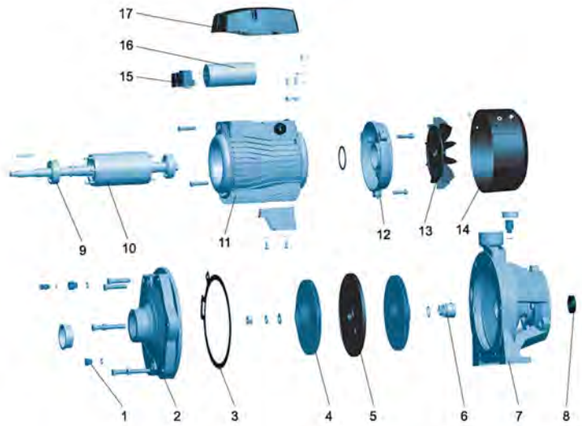
MODEL		POWER		Q (m³/h)	0	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6	7.2	8.4	9.6	10.8	12	15
Single Phase	Three Phase	kW	HP	Q (l/min)	0	20	30	40	50	60	70	80	90	100	110	120	140	160	180	220	250
2ACm75	2AC75	0.75	1.0	H (m)	45	42.5	40	37	33.5	28.5	23	15	-	-	-	-	-	-	-	-	-
2ACm110	2AC110	1.1	1.5		47	46	45	44	43	41.5	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

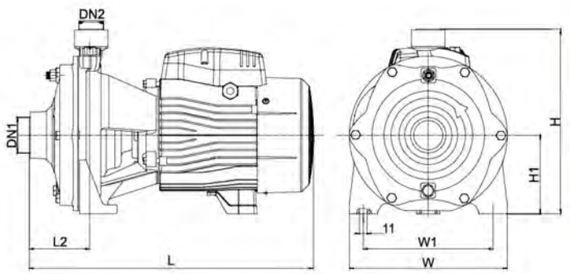
Hydraulic Performance Curves



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





Dimension

Model	DN1	DN2	L (mm)	L1 (mm)	H (mm)	H1 (mm)	W (mm)	W1 (mm)
2ACm75	1 1/4"	1"	336	72	231	100	181	145
2ACm110	1 1/2"		379	71	225	93	200	162
2ACm150			400	80	262	112	225	185
2ACm150H								
2AC220								
2ACm300H		1 1/4"	480	63	311	132	281	234
2AC300H								
2AC400H								

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

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
- Self-priming

Motor

- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient Temperature: +40℃
- IE 2 motor for 4AC75

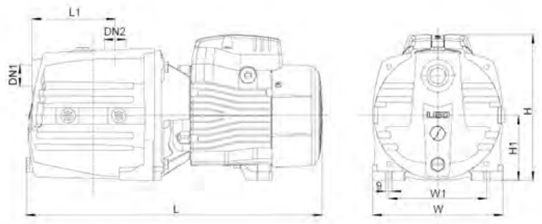
Identification Codes

3 A C m 45

- 45 — Power (X 10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- C — Centrifugal Pump
- A — LEO Product Style
- 3 — Impeller Stage

Technical Data

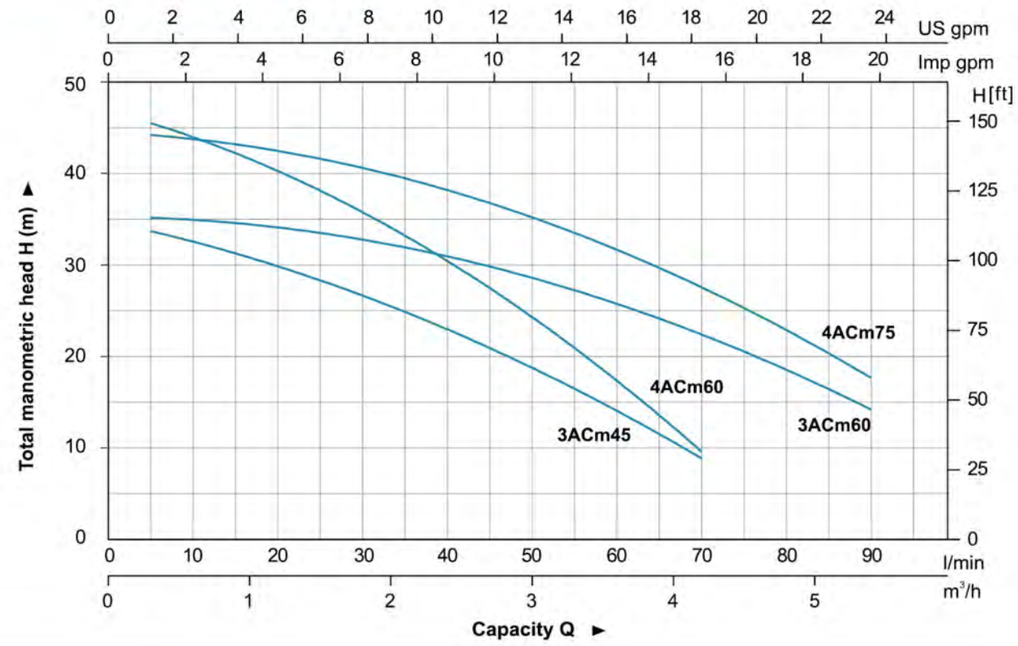
MODEL		POWER		Q (m^3/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.4	3.0	3.6	4.2	4.8	5.4
Single Phase	Three Phase	kW	HP	Q (l/min)	0	5	10	15	20	25	30	40	50	60	70	80	90
3ACm45	——	0.45	0.6	H (m)	35	33.5	32.5	31.5	30	28.5	26.5	23	18.5	14	9	-	-
4ACm60	——	0.6	0.85		46.5	45	44	42.5	40.5	38.5	36	30	24	17	10	-	-
3ACm60	——	0.6	0.85		36	35.5	35	34.5	34	33.5	32.5	30.5	28.5	26	23	19	13.5
4ACm75	4AC75	0.75	1		46.5	45	44	43	42	41	40	38	35.5	32.5	28	23	17



Dimension

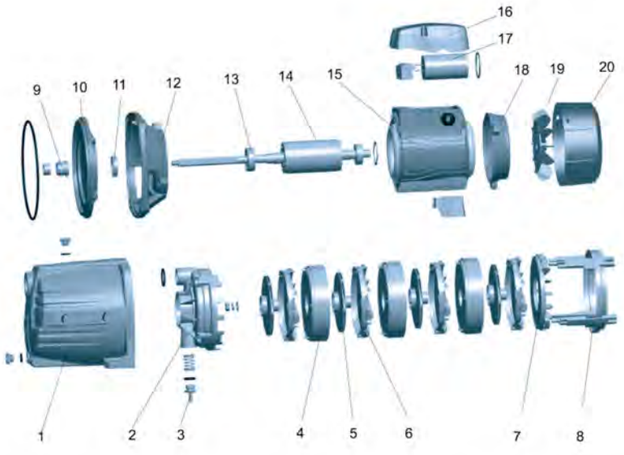
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L_1 (mm)	W_1 (mm)	H_1 (mm)
3ACm45	1"	1"	368	180	183	90	136	90
4ACm60			405	180	183	115	136	90
3ACm60			485	180	202	90	136	90
4ACm75			510	180	202	115	136	90

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	HT200
2	Pump cover	PPO
3	Return valve	PPO
4	Diffuser 1	PPO
5	Impeller	PPO
6	Diffuser 2	PPO
7	Diffuser holder	PPO
8	Support frame	PPO
9	Mechanical seal	Carbon/Ceramic
10	Bracket cover	HT200
11	Oil seal	
12	Support	ZL102
13	Bearing	
14	Rotor	
15	Stator	
16	Terminal box	PA6-GF25
17	Capacitor	
18	Rear cover	ZL102
19	Fan	PP
20	Fan cover	PP



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
3ACm45	13.2	410	200	210	1515
4ACm60	16	460	200	230	1233
3ACm60	15.3	435	200	230	1305
4ACm75	17	460	200	230	1176

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

- Low noise&Long life bearing
- Motor with copper winding
- 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)

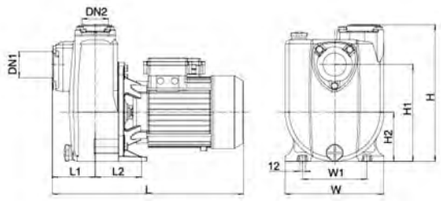
Identification Codes

XHS m 1500

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

Technical Data

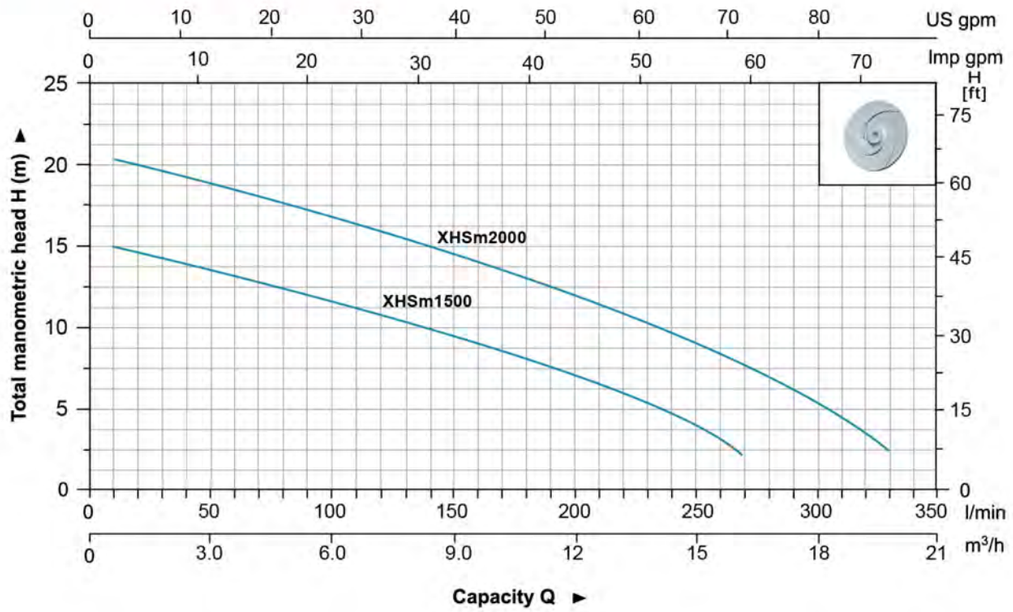
Model		POWER		Q (m³/h)	0	2.1	4.5	6.6	8.1	10.2	12	14.1	16.2	19.8
Single Phase	Three Phase	kW	HP	Q (l/min)	0	35	75	110	135	170	200	235	270	330
XHSm1500	XHS1500	1.1	1.5	H (m)	15	14	12.5	11	10	8.5	7	5	2.5	-
XHSm2000	XHS2000	1.5	2		20.5	19	17.5	16	15	13.5	12	10	7.5	2.5



Dimension

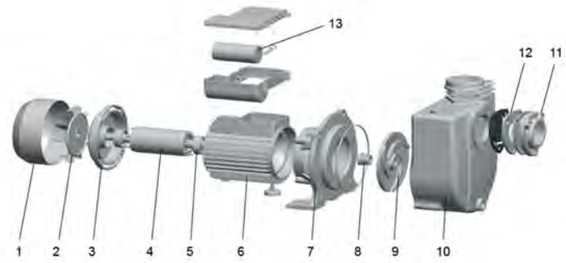
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	L2 (mm)	W1 (mm)	H1 (mm)	H2 (mm)
XHSm1500	2"	2"	430	222	308	96.5	104	145	218	111
XHSm2000										

Hydraulic Performance Curves



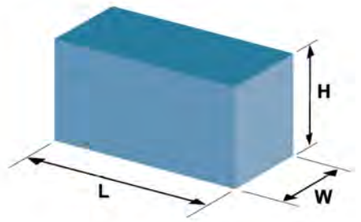
Materials Table

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/Ceramic
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 , domestic water supply , high rise buildings, long distance water transfer and related auxiliary equipment etc.

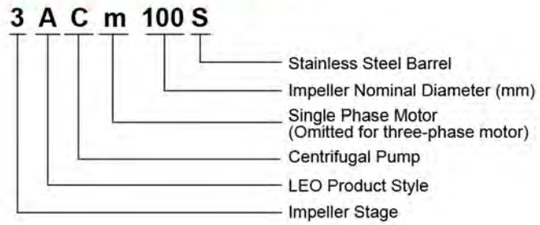
Pump

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

Motor

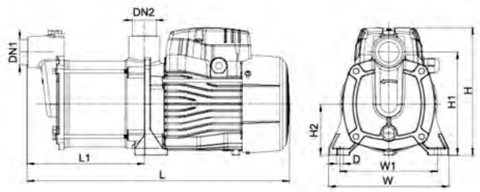
- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient Temperature: +40℃
- IE 2 motor (Three phase, power ≥ 0.75kW)

Identification Codes



Technical Data

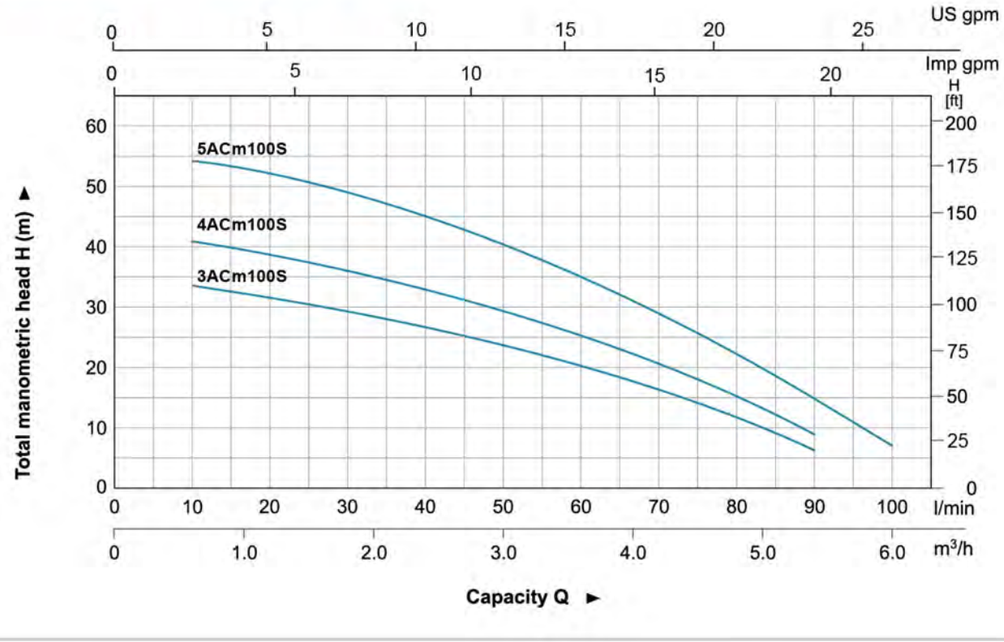
Model		POWER		Q (m³/h)	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
Single Phase	Three Phase	kW	HP	Q (l/min)	0	10	20	30	40	50	60	70	80	90	100
3ACm100S	3AC100S	0.6	0.8		35	33.5	31.5	29	26.5	24	20.5	16	12	7	-
4ACm100S	4AC100S	0.75	1	H (m)	45	41	38.5	36	33	30	25.5	21	15	9	-
5ACm100S	5AC100S	0.9	1.2		55	54	52	49	45	40	35	29	22.5	15	8



Dimension

Model	DN1	DN2	L (mm)	L1 (mm)	W (mm)	W1 (mm)	H (mm)	H1 (mm)	H2 (mm)	D (mm)
3ACm100S	1"	1"	384	172	176	140	187	151	75	10
4ACm100S			408	196						
5ACm100S			432	220						

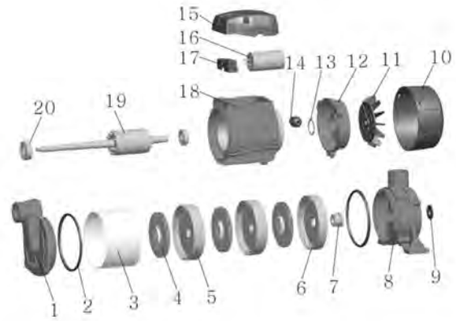
Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	HT200
2	Seal washer	NBR
3	Pump barrel	AISI304
4	Impeller	PPO
5	Drain cover	PPO
6	Diffuser	PPO
7	Mechanical seal	Carbon/Ceramic
8	Support	HT200
9	Water proof gland	NBR
10	Fan cover	PP
11	Fan	PP
12	Rear cover	ZL102
13	Spring washer	65Mn

No.	Part	Material
14	Cable holder	
15	Capacitor box	PA6-GF25
16	Capacitor	
17	Terminal board	
18	Stator	
19	Rotor	
20	Bearing	



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
3ACm100S	12.5	405	210	230	1359
4ACm100S	13.5	430	210	230	1215
5ACm100S	14.5	455	210	230	1188

ACSm

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

- Low noise&Long life bearing
- Motor with copper winding
- 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)

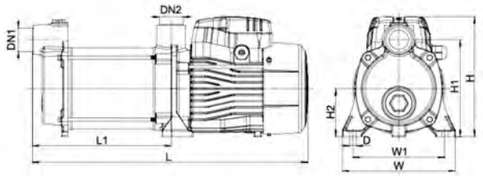
Identification Codes

3 A CS m 100 S

- Stainless Steel Barrel
- Impeller Nominal Diameter (mm)
- Single Phase Motor (Omitted for three-phase motor)
- Self-priming Centrifugal Pump
- LEO Product Style
- Impeller Stage

Technical Data

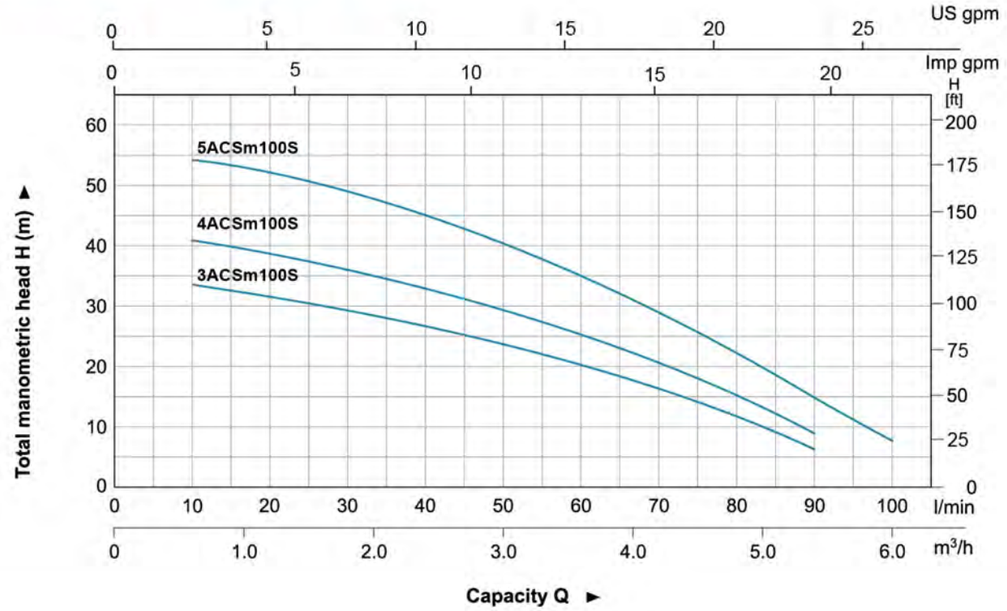
Model		POWER		Q (m³/h)	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
Single Phase	Three Phase	kW	HP	Q (l/min)	0	10	20	30	40	50	60	70	80	90	100
3ACSm100S	3ACS100S	0.6	0.8	H (m)	35	33.5	31.5	29	26.5	24	20.5	16	12	7	-
4ACSm100S	4ACS100S	0.75	1		45	41	38.5	36	33	30	25.5	21	15	9	-
5ACSm100S	5ACS100S	0.9	1.2		55	54	52	49	45	40	35	29	22.5	15	8



Dimension

Model	DN1	DN2	L (mm)	L1 (mm)	W (mm)	W1 (mm)	H (mm)	H1 (mm)	H2 (mm)	D (mm)
3ACSm100S	1"	1"	429	216	176	140	187	151	75	10
4ACSm100S			453	240						
5ACSm100S			477	264						

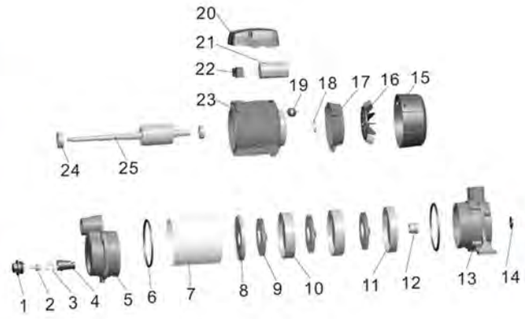
Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Plug	HT200
2	Return valve	NBR
3	Spring	AISI304
4	Nozzle	PPO
5	Pump body	PPO
6	Seal washer	PPO
7	Pump barrel	AISI304
8	Pump cover	PPO
9	Impeller	PPO
10	Drain cover	PPO
11	Diffuser	PPO
12	Mechanical seal	Carbon/Ceramic
13	Support	HT200

No.	Part	Material
14	Water proof gland	NBR
15	Fan cover	PC/ABS
16	Fan	PPO
17	Rear cover	ZL102
18	Spring washer	65Mn
19	Cable holder	
20	Capacitor box	PA6-GF25
21	Capacitor	
22	Terminal board	
23	Stator	
24	Bearing	
25	Rotor	



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20"TEU)
3ACSm100S	13.1	455	210	230	1188
4ACSm100S	14.1	480	210	230	1116
5ACSm100S	15.1	505	210	230	1089

XCm

Self-Priming Stainless Steel Multistage Centrifugal Pump

Application

- Can be used to transfer clean water or other liquids similar towater 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
- Reliable sealing system: mechanical seal+lip seal
- Horizontal shaft
- Max. liquid temperature: +35°C
- Max. suction: +8 m

Motor

- Low noise&Long life bearing
- Motor with copper winding
- Motor with thermal protector
- Insulation class: F
- Protection class: IPX4
- Max. ambient Temperature: +40°C
- IE 2 motor (Three phase, power≤0.9kW)

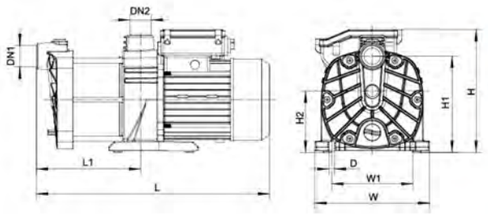
Identification Codes

3 X C m 129 PS (E)

- (E) — Electronic Switch
- PS — Stainless Steel Pump Barrel, Plastic Pump Body and Bracket
- 129 — Product Characteristics
- m — Single Phase Motor (Omitted for three-phase motor)
- C — Centrifugal Pump
- X — LEO Product Style
- 3 — Impeller Stage

Technical Data

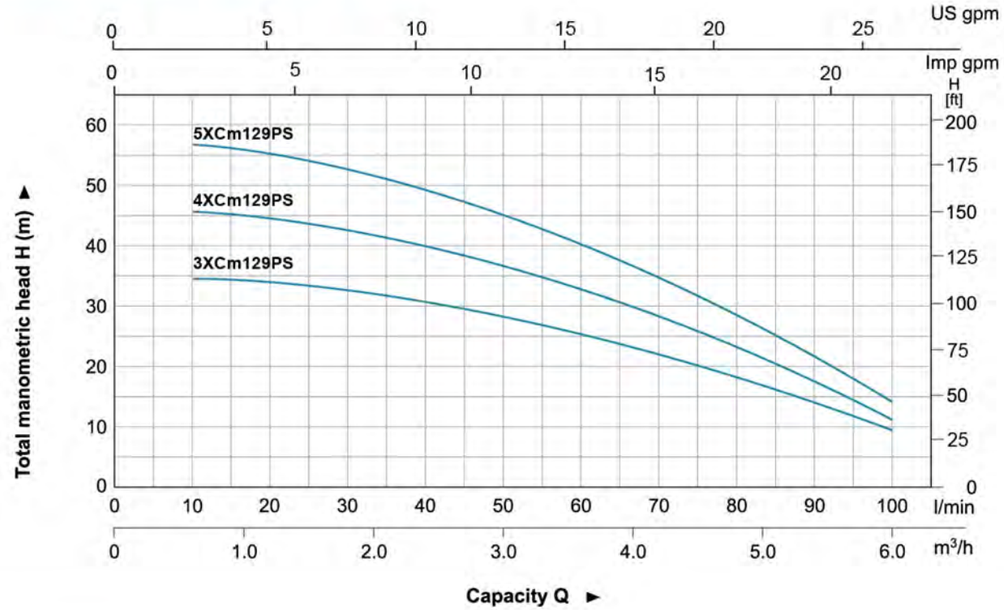
Model	POWER		Q (m³/h)	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4
	kW	HP	Q (l/min)	0	10	20	30	40	50	60	70	80	90
3XCm129PS	0.9	1.2	H (m)	35	34.5	33.5	32.5	30	28	26	22	16.5	12.5
4XCm129PS	1.1	1.5		50	48	46	43	39	34	31	27	22	11
5XCm129PS	1.3	1.76		60	58	55	53	48	45	42	36	30	8



Dimension

Model	DN1	DN2	L (mm)	L1 (mm)	W (mm)	W1 (mm)	H (mm)	H1 (mm)	H2 (mm)	D (mm)
3XCm129PS	1"	1"	403	180	198	140	203	166	106	9.5
4XCm129PS			427	204						
5XCm129PS			451	228						

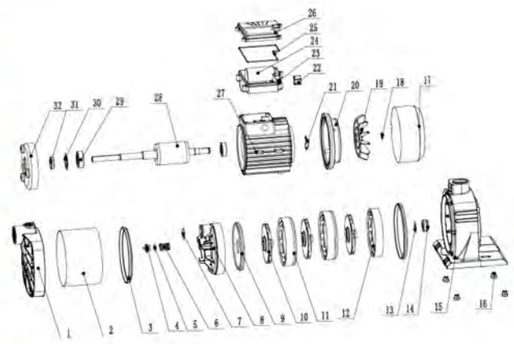
Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	PP-GF30
2	Pump barrel	304
3	Seal washer	NBR
4	Return valve	PPO-GF30
5	O-ring	NBR
6	Spring	304
7	O-ring	NBR
8	Return cover	PPO-GF30
9	Pump cover	PPO-GF30
10	Impeller	PPO-GF30
11	Drain cover	PPO-GF30
12	Diffuser	PPO-GF30
13	Flat washer	304
14	Mechanical seal	
15	Support	
16	Rubber brace	NBR

No.	Part	Material
17	Fan cover	08F
18	Elastic retaining ring for shaft	65Mn
19	Fan	PP-GF15
20	Rear cover	ZL102
21	Waveform spring	202
22	Cover box nut	PA6-GF25
23	Cover box	ABS
24	Capacitor	
25	Cover box sealing ring	NBR
26	Capacitor box	ABS
27	Stator	
28	Rotor	
29	Bearing	
30	Adjusting gasket	ST12 Galvanized
31	Water proof gland	
32	Front end cover	ZL102



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
3XCm129PS	10.7	462	235	240	972
4XCm129PS	11.9	487	235	240	927
5XCm129PS	12.9	507	235	240	891

XCm

Stainless Steel Multistage Centrifugal Pump

Pump cover Impeller Diffuser

Non-recycled reinforced plastic (PPO)
High temperture resistance

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
- Low noise

Motor

- C&U bearing
- Motor with copper winding
- Built-in thermal protector
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperture: +40°C

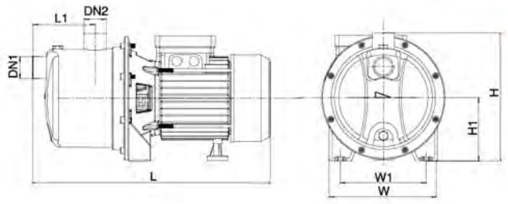
Identification Codes

4 XC m 120 C

- Features
- Impeller Nominal Diameter (mm)
- Single Phase Motor (Omitted for three-phase motor)
- Centrifugal Pump
- Impeller Stage

Technical Data

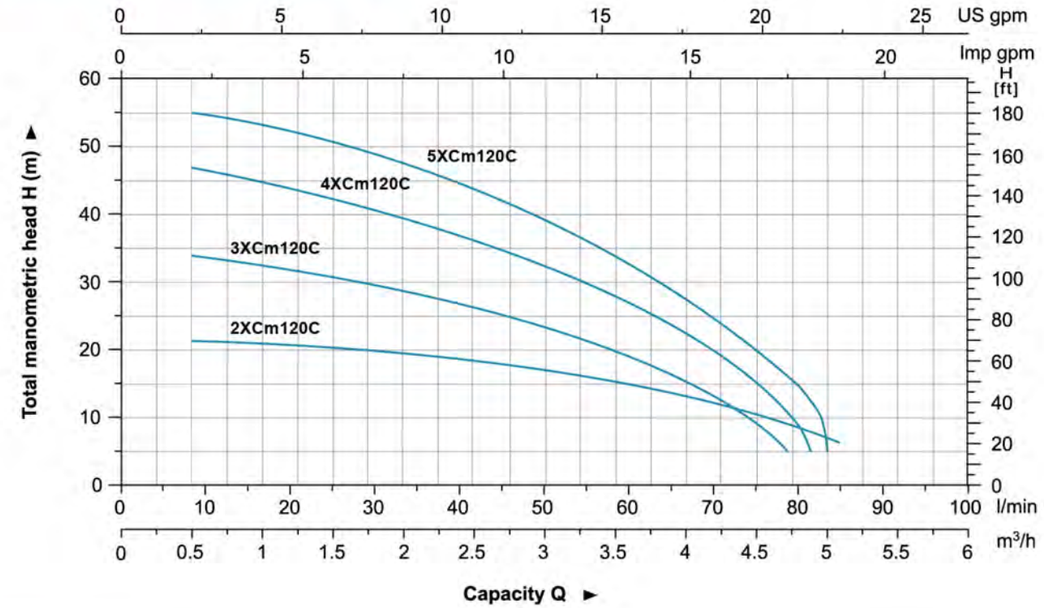
Model		Power		Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	4.9	5
Single Phase	Three Phase	kW	HP	Q(l/min)	0	10	20	30	40	50	60	70	80	82	84
2XCm120C	-	0.37	0.5	H(m)	20.5	20.3	20	19.5	18.5	16.5	14.5	11	6	-	-
3XCm120C	-	0.6	0.8		34	33	31.5	29	26	22	17.5	11.5	3.5	-	-
4XCm120C	4XC120C	0.75	1.0		48	45.5	42.5	39.5	36	31.5	26	18.8	9	3	-
5XCm120C	5XC120C	0.9	1.2		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)
2XCm120C	1"	1"	344	200	209	52	140	103
3XCm120C			362	174	208	77	140	103
4XCm120C			386	174	208	104	140	103
5XCm120C			410	174	208	125	140	103

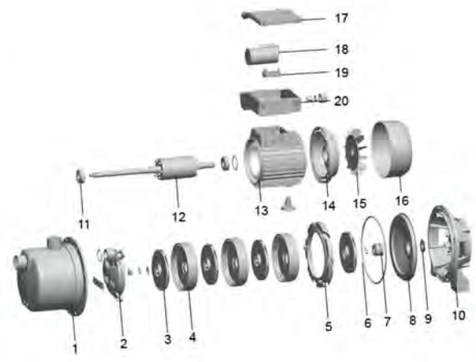
Hydraulic Performance Curves



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

No.	Part	Material
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 (kg)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
2XCm120C	8.3	380	235	265	1056
3XCm120C	9.5	405	235	265	1072
4XCm120C	10.5	430	235	265	1008
5XCm120C	11.5	455	235	265	960

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

Motor

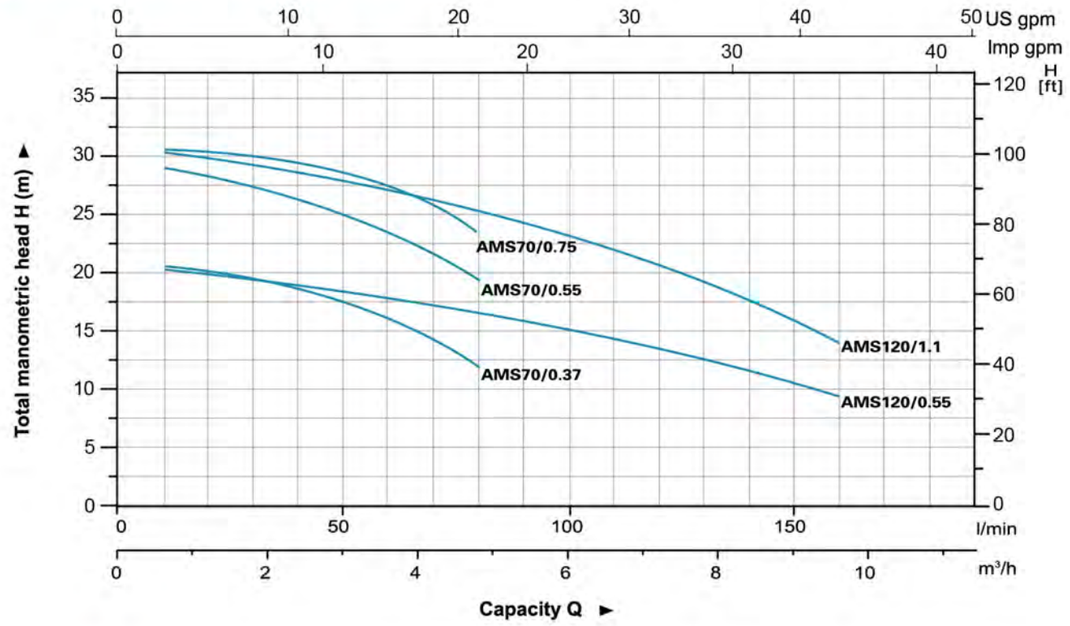
- IE2 motor
- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. temperature: +40℃

Identification Codes

A MS m 70 / 0.37

- 0.37 — 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

Hydraulic Performance Curves

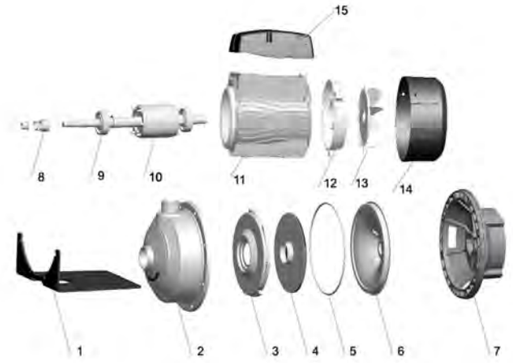


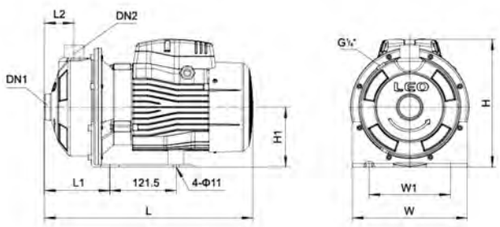
Technical Data

MODEL		POWER		Q (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	Q (l/min)	0	30	40	60	80	100	120	140	160	180
AMSm70/0.37	AMS70/0.37	0.37	0.5	H (m)	20.9	19.0	18.1	15.7	12.1	-	-	-	-	-
AMSm70/0.55	AMS70/0.55	0.55	0.75		29.5	27.3	26.3	23.4	19.1	-	-	-	-	-
AMSm70/0.75	AMS70/0.75	0.75	1.0		30.4	28.5	27.8	26.0	23.0	-	-	-	-	-
AMSm120/0.55	AMS120/0.55	0.55	0.75		20.2	-	-	17.9	16.6	15.1	13.3	11.2	8.7	-
AMSm120/1.1	AMS120/1.1	1.1	1.5		30.2	-	-	26.7	25.1	23.3	21.2	19.0	16.4	-

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	ADC12
8	Mechanical seal	Silicon/Carbon
9	Ball bearing	
10	Rotor	
11	Stator	
12	Rear housing	ADC12
13	Fan	PP
14	Fan cover	PP
15	Terminal box	ABS





Dimension

Model	Ports		L (mm)	W (mm)	H (mm)	L1 (mm)	L2 (mm)	W1 (mm)	H1 (mm)
	DN1	DN2							
AMS70/0.37	1 1/4"	1"	332	210	224	119	55	149	110
AMS70/0.55	1 1/4"	1"	332	210	224	119	55	149	110
AMS70/0.75	1 1/4"	1"	381	210	234	119	55	149	110
AMS120/0.55	1 1/4"	1"	332	210	224	119	55	149	110
AMS120/1.1	1 1/4"	1"	381	210	234	119	55	149	110

Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20 TEU)
AMS70/0.37	10	380	240	270	1200
AMS70/0.55	11	380	240	270	1200
AMS70/0.75	14	410	240	270	1104
AMS120/0.55	11	380	240	270	1200
AMS120/1.1	15	410	240	270	1104

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

Motor

- IE2 motor
- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. temperature: +40℃

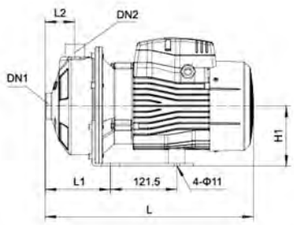
Identification Codes

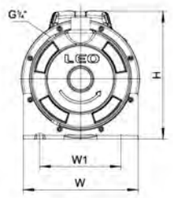
A MS m 210 / 1.5

- 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		Q (m³/h)	0	1.8	3.6	6	7.2	8.4	9.6	10.8	12	15	18	21	24	26	29	31
Single Phase	Three Phase	kW	HP	Q (l/min)	0	30	60	100	120	140	160	180	200	250	300	350	400	430	480	520
AMSm210/0.75	AMS210/0.75	0.75	1.0	H (m)	16.8	-	-	-	15.6	15.2	14.8	14.2	13.6	11.9	9.8	-	-	-	-	-
AMSm210/1.1	AMS210/1.1	1.1	1.5		19.7	-	-	-	18.7	18.3	18.0	17.5	17.1	15.6	13.6	-	-	-	-	-
AMSm210/1.5	AMS210/1.5	1.5	2.0		24.2	-	-	-	23.5	23.2	22.8	22.4	21.8	20.2	18.0	-	-	-	-	-
AMSm210/2.2	AMS210/2.2	2.2	3.0		27.5	-	-	-	26.7	26.5	26.1	25.7	25.2	23.8	21.9	-	-	-	-	-
AMSm370/1.1	AMS370/1.1	1.1	1.5		15.4	-	-	-	-	-	-	14.7	14.4	13.5	12.3	10.8	8.9	7.6	-	-
AMSm370/1.5	AMS370/1.5	1.5	2.0		19.3	-	-	-	-	-	-	-	18.1	17.3	16.3	15.0	13.3	12.3	10.2	-
AMSm370/2.2	AMS370/2.2	2.2	3.0		23.1	-	-	-	-	-	-	-	21.7	20.9	20.0	18.8	17.2	16.2	14.2	12.3

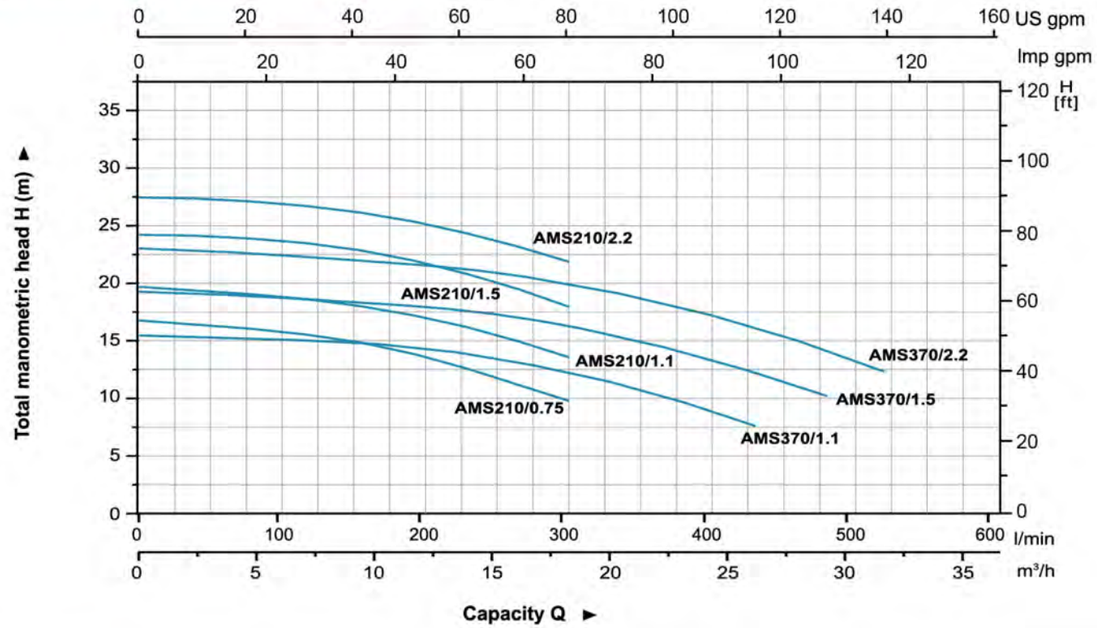




Dimension

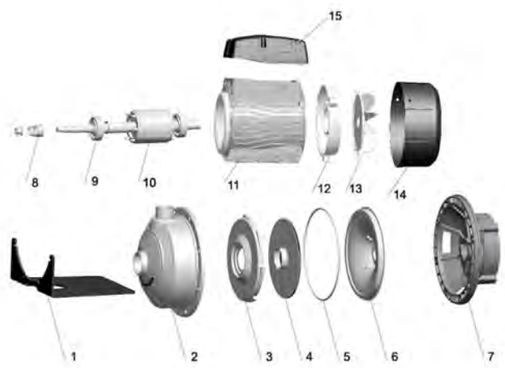
Model	Ports		L (mm)	W (mm)	H (mm)	L1 (mm)	L2 (mm)	W1 (mm)	H1 (mm)
	DN1	DN2							
AMS210/0.75	1 1/2"	1 1/4"	392	210	234	129	55	149	110
AMS210/1.1	1 1/2"	1 1/4"	392	210	234	129	55	149	110
AMS210/1.5	1 1/2"	1 1/4"	440	210	250	129	55	149	110
AMS210/2.2	1 1/2"	1 1/4"	440	210	250	129	55	149	110
AMS370/1.1	2"	1 1/4"	392	210	234	129	55	149	110
AMS370/1.5	2"	1 1/4"	440	210	250	129	55	149	110
AMS370/2.2	2"	1 1/4"	440	210	250	129	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	ADC12
8	Mechanical seal	Silicon/Carbon
9	Ball bearing	
10	Rotor	
11	Stator	
12	Rear housing	ADC12
13	Fan	PP
14	Fan cover	PP
15	Terminal box	ABS



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
AMS210/0.75	14	410	240	270	1104
AMS210/1.1	15	410	240	270	1104
AMS210/1.5	18	465	240	270	968
AMS210/2.2	20	465	240	270	968
AMS370/1.1	15	410	240	270	1104
AMS370/1.5	18	465	240	270	968
AMS370/2.2	20	465	240	270	968

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

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

Identification Codes

Q(D)X 1.5 – 32 – 0.75 (A)

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

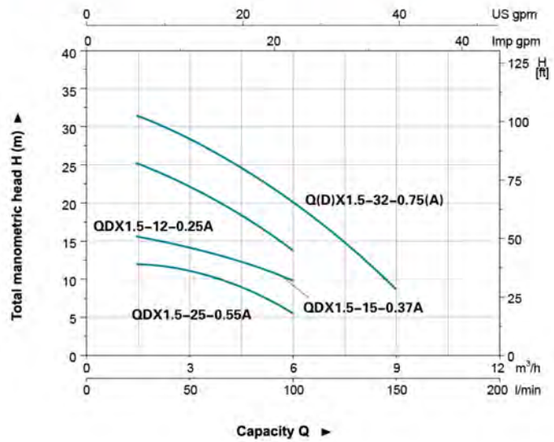
Technical Data

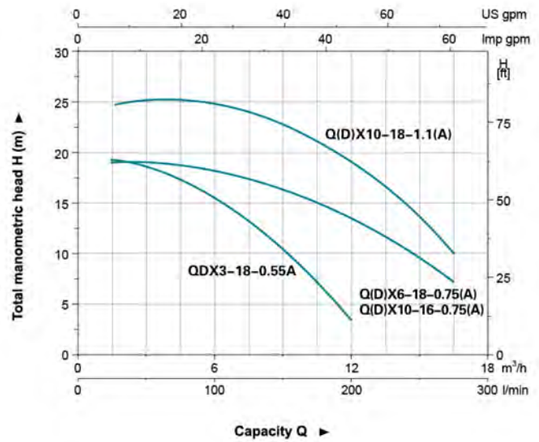
Model	Q (m^3/h)	0	1.5	3	4.5	6	7.5	9	10.5	12	13.5	15	16.5	18	19.5	21	22.5	24	25.5	27	28.5	30	31.5	33	34.5	36	37.5	39	40.5	42	43.5	45
	Q (l/min)	0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600	625	650	675	700	725	750
*QDX1.5-12-0.25A	H (m)	13	12	11	9	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*QDX1.5-15-0.37A		16	15.6	14.2	12.3	9.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*QDX1.5-25-0.55A		26.5	25	22.5	18	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*QDX3-18-0.55A		19.2	19.1	18.5	17.5	15.5	13.2	10	7	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*QDX10-10-0.55A		13.2	13.2	13.2	13	12.7	12	11	10	9.2	7.5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*QDX15-7-0.55A		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	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q(D)X1.5-32-0.75(A)		32.5	31.5	28.5	24.5	20	15.5	8.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q(D)X6-18-0.75(A)		19.5	19.2	19	18.6	18	17	16.3	15.6	13.7	11.8	9	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q(D)X10-16-0.75(A)		19.5	19.2	19	18.6	18	17	16.3	15.6	13.7	11.8	9	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q(D)X15-10-0.75(A)		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	-	-	-	-	-	-	-	-	-	-	-
Q(D)X25-6-0.75(A)		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	-	-	-	-	-	-	-	-	-	-	-	-
Q(D)X10-18-1.1(A)		25	25	25	24.6	24	22.8	22.2	18.5	16	13.2	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q(D)X15-14-1.1(A)		16.6	16.6	16.5	16.4	16.3	16.2	16.1	15.7	15.4	14.8	14.2	13.5	12.8	12.1	11.5	10.9	9.9	8.9	7.8	6.8	5.5	4.3	-	-	-	-	-	-	-	-	-	-
Q(D)X40-6-1.1(A)		9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.4	9.3	9.2	9	8.9	8.7	8.3	8	7.7	7.3	6.9	6.5	6	5.5	5	4.5	4	3.5	3

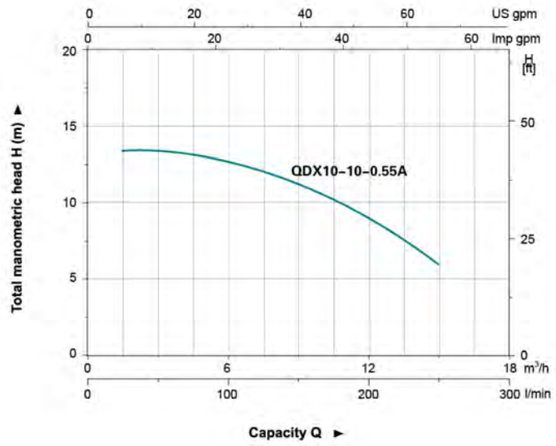
•single phase only

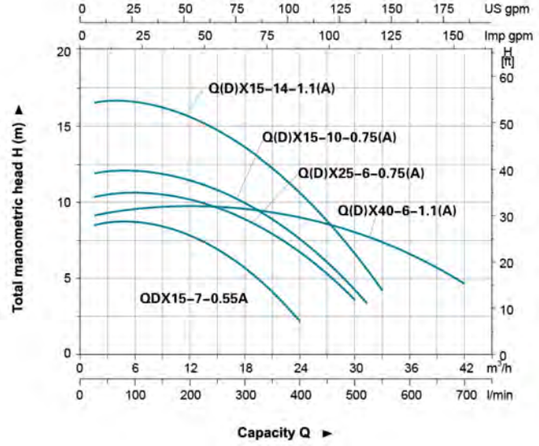
Model	Q (m^3/h)	1.5	10	20	30	40	45	50	55	60	65	70
	Q (l/min)	25	167	333	500	667	750	833	917	1000	1083	1167
QDX40-9-1.5	H (m)	12.3	12	11.4	10.5	9.2	8.5	7.6	6.7	5.7	4.6	-
QX40-9-1.5		12.3	12	11.4	10.5	9.2	8.5	7.6	6.7	5.7	4.6	-
QDX50-7-1.5		12.3	12	11.4	10.5	9.2	8.5	7.6	6.7	5.7	4.6	-
QX50-7-1.5		12.3	12	11.4	10.5	9.2	8.5	7.6	6.7	5.7	4.6	-
QX50-10-2.2		15.4	15.2	14.6	13.7	12.5	11.8	11	10.1	9.1	8	6.9
QX65-8-2.2		15.4	15.2	14.6	13.7	12.5	11.8	11	10.1	9.1	8	6.9

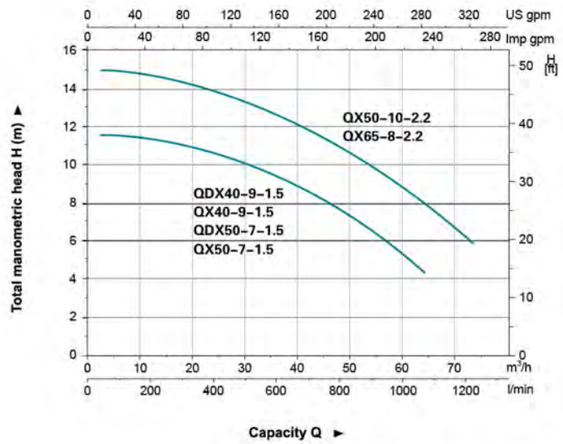
Hydraulic Performance Curves







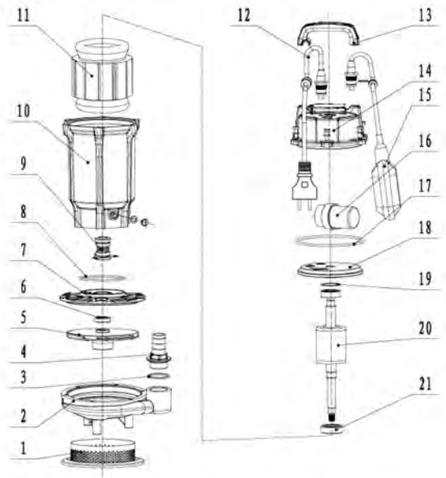




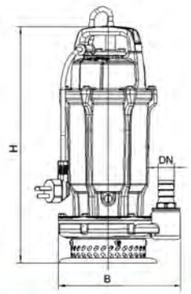
Materials Table

No.	Part	Material
1	Filter	Stainless steel
2	Pump body	HT200
3	O-Ring	NBR
4	Outlet connector	HT200
★ 5	Impeller	PPO/HT200
6	Oil seal	
7	Cover of cylinder	HT200
8	O-Ring	NBR
9	Mechanical seal	Upper: Ceramic/Carbon Lower: SiC/Carbon
10	Motor casing	HT200
11	Stator	
12	Cable assembly	
13	Handle	PP
14	Top cover	HT200
15	Float switch	
16	Capacitor	
17	O-Ring	NBR
18	End cover	HT200
19	Wave spring pad	
20	Rotor	
21	Bearing	

★HT200 for QDX25-6-0.75A and QDX40-5.5-1.1A



Dimension



Model	Outlet	Connector				H (mm)	B (mm)
		Standard		Optional			
	External thread tube	Hose	Internal thread tube	Hose	Internal thread tube		
QDX1.5-12-0.25A	G1	25	/	25	G3/4	195	145
QDX1.5-15-0.37A	G1	25	/	25	G3/4	195	145
QDX1.5-25-0.55A	G1	25	/	25	G3/4	245	195
QDX3-18-0.55A	G1	25	/	25	G3/4	205	160
QDX10-10-0.55A	G1.5	40	/	40	G1	215	150
QDX15-7-0.55A	G2	50	/	50	G1.5	240	170
Q(D)X1.5-32-0.75(A)	G1	25	/	25	G3/4	245	195
Q(D)X6-18-0.75(A)	G1.5	40	/	40	G1	220	160
Q(D)X10-16-0.75(A)	G1.5	50	/	50	G1.5	220	160
Q(D)X15-10-0.75(A)	G2	65	/	65	G2	240	170
Q(D)X25-6-0.75(A)	G2.5	80	/	80	G2.5	250	160
Q(D)X10-18-1.1(A)	G1.5	50	/	50	G1.5	270	190
Q(D)X15-14-1.1(A)	/	65	/	65	G2	270	180
Q(D)X40-6-1.1(A)	/	80	G2.5	/	/	270	195
QDX40-9-1.5	/	80	G2.5	/	/	520	319
QX40-9-1.5	/	80	G2.5	/	/	488	319
QDX50-7-1.5	/	80	G2.5	/	/	520	319
QX50-7-1.5	/	100	G3.5	/	/	488	319
QX50-10-2.2	/	100	G3.5	/	/	492	319
QX65-8-2.2	/	100	G3.5	/	/	492	319

Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
QDX1.5-12-0.25A	11.5	392	224	180	1788
QDX1.5-15-0.37A	11.5	392	224	190	1788
QDX1.5-25-0.55A	16	435	250	235	1062
QDX3-18-0.55A	14.5	415	230	205	1388
QDX10-10-0.55A	14.5	415	230	205	1388
QDX15-7-0.55A	15.5	420	280	215	1132
Q(D)X1.5-32-0.75(A)	16.5	435	250	235	1062
Q(D)X6-18-0.75(A)	15.5	415	230	205	1388
Q(D)X10-16-0.75(A)	15.5	415	230	205	1388
Q(D)X15-10-0.75(A)	16.5	420	280	215	1132
Q(D)X25-6-0.75(A)	17.5	420	280	215	1132
Q(D)X10-18-1.1(A)	22	452	300	240	855
Q(D)X15-14-1.1(A)	22	452	300	240	855
Q(D)X40-6-1.1(A)	22.5	490	295	235	792
QDX40-9-1.5	31	560	370	290	420
QX40-9-1.5	26	560	370	290	420
QDX50-7-1.5	31	560	370	290	420
QX50-7-1.5	26	560	370	290	420
QX50-10-2.2	31	560	370	290	420
QX65-8-2.2	31	560	370	290	420

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%. passage of suspended solids up to 0.2mm.
- Insulation class: F
- Ingress protection: IP68

Identification Codes

Q(D)X 1.5 – 17 – 0.37 L A

- A — Automatic Opreation with Float Switch
- L — Aluminum Shell
- 0.37 — Power (kW)
- 17 — Rated Head (m)
- 1.5 — Rated Flow (m^3/h)
- Q(D)X — Submersible Pump (Three-phase without A and D)

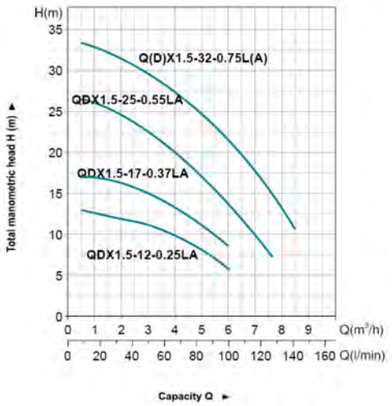
Technical Data

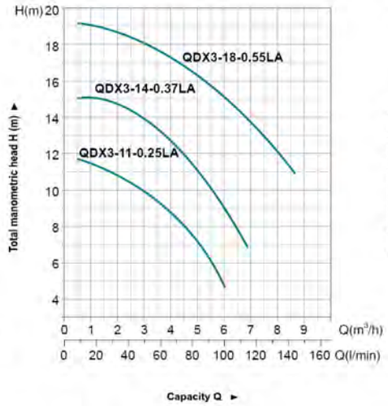
Model	Q(m^3/h)	0	0.5	1	1.5	2	2.5	3	4	5	6	7	8	9
	Q(l/min)	0	8.5	16.5	25	33	41.5	50	67	83	100	117	133	150
QDX1.5-12-0.25LA	H (m)	13	12.7	12.3	12	11.8	11.4	11	9.5	8.3	5.5	-	-	-
QDX1.5-17-0.37LA		17.2	17	16.9	16.8	16.2	15.6	15	13.4	11.2	8.8	-	-	-
QDX1.5-25-0.55LA		26.5	26.2	25.5	25	24.5	23	22.5	20	16	13	10	-	-
Q(D)X1.5-32-0.75L(A)		33.5	33.2	32.5	32	31	30.3	29.5	27.5	25	21	17.5	13	-
QDX3-10-0.25LA		13	-	12.3	-	11.8	-	11	9.5	8.3	5.5	-	-	-
QDX3-14-0.37LA		16	-	15.4	-	14.9	-	14	12.5	11	9.5	7	-	-
QDX3-18-0.55LA		19.4	-	19.1	-	18.6	-	18	17.3	16.3	15	13.6	12	10

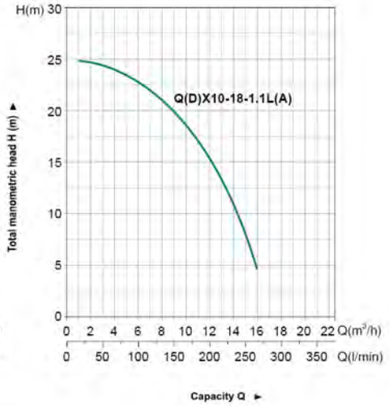
Model	Q(m^3/h)	0	2	4	6	8	10	12	14	16	18	20
	Q(L/min)	0	33	67	100	113	167	200	233	267	300	333
QDX10–10–0.55LA	H (m)	13.2	13.2	13.3	12.7	11.8	10	8.2	7	5	-	-
Q(D)X6–18–0.75L(A)		19.5	19.4	18.8	18	17.7	16	14.2	11.3	8.5	5.5	2
Q(D)X10–16–0.75L(A)		19.5	19.4	18.8	18	17.7	16	14.2	11.3	8.5	5.5	2
Q(D)X10–18–1.1L(A)		25	24.5	26.2	23	21.5	18	15.5	11	4.5	-	-

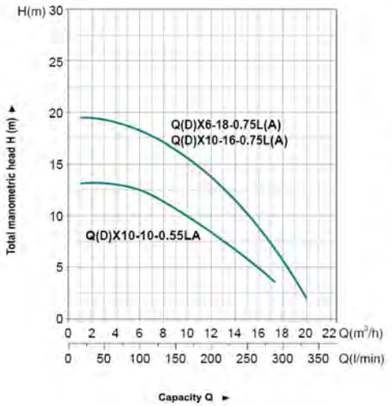
Model	Q(m^3/h)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
	Q(L/min)	0	83	167	250	333	417	500	583	667	750	833	917	1000	1083	1167	1250
QDX15–7–0.55LA	H (m)	8.7	8.6	8.2	7	4.9	1.7	-	-	-	-	-	-	-	-	-	-
Q(D)X15–10–0.75L(A)		12.1	11.7	11.2	10	7.9	5.3	-	-	-	-	-	-	-	-	-	-
Q(D)X15–14–1.1L(A)		16.6	16.5	15.7	14	11.6	8.7	5.5	-	-	-	-	-	-	-	-	-
Q(D)X25–6–0.75L(A)		11.8	11	10.3	9.6	8.3	6	3.5	-	-	-	-	-	-	-	-	-
Q(D)X40–6–1.1L(A)		9.5	9.3	9.2	9.2	9.1	8.6	8	7.1	6	4.8	3.8	2.5	-	-	-	-
Q(D)X40–9–1.5L		13.3	13	12.5	12	11.4	10.9	10.5	9.7	9	8	7	6.2	5.1	4	-	-
Q(D)X50–7–1.5L		13.3	13	12.5	12	11.4	10.9	10.5	9.7	9	8	7	6.2	5.1	4	-	-
Q(D)X50–10–2.2L		16.5	16	15.7	15.4	14.9	14.5	14	13.4	12.7	11.7	11	10.2	9	8	6.8	5.8
Q(D)X65–8–2.2L		16.5	16	15.7	15.4	14.9	14.5	14	13.4	12.7	11.7	11	10.2	9	8	6.8	5.8

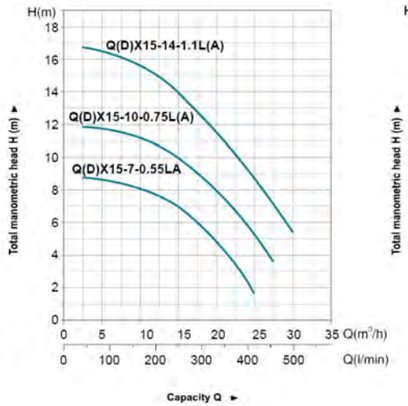
Hydraulic Performance Curves

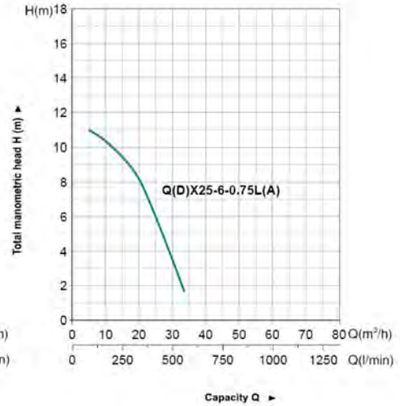


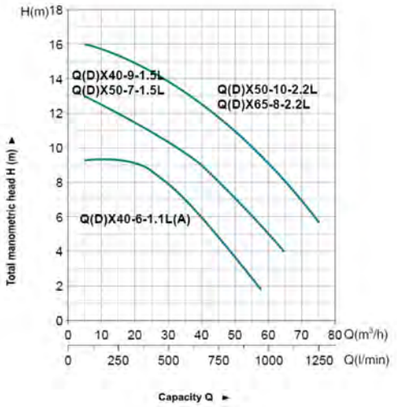






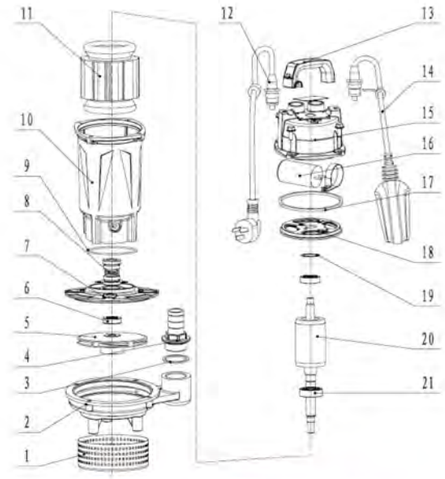




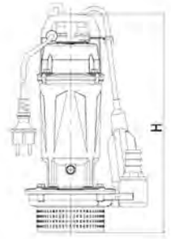


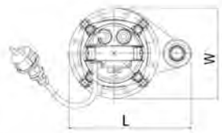
Materials Table

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	ADC12
15	Top cover	
16	Capacitor	
17	O-Ring	NBR
18	End cover	ADC12
19	Wave spring pad	
20	Rotor	
21	Bearing	



Dimension





Model	Outlet	Connector				L (mm)	W (mm)	H (mm)
		Standard		Optional				
	External thread tube	Hose	Internal thread tube	Hose	Internal thread tube			
QDX1.5-12-0.25LA	G1	25	/	25	G3/4	195	144	348
QDX1.5-15-0.37LA	G1	25	/	25	G3/4	195	144	348
QDX1.5-25-0.55LA	G1	25	/	25	G3/4	245	194	382
Q(D)X1.5-32-0.75L(A)	G1	25	/	25	G3/4	245	194	382
QDX3-10-0.25LA	G1	25	/	25	G3/4	195	144	348
QDX3-14-0.37LA	G1	25	/	25	G3/4	195	144	348
QDX3-18-0.55LA	G1	25	/	25	G3/4	205	159	375
QDX10-10-0.55LA	G1.5	40	/	40	G1	213	152	374
Q(D)X6-18-0.75L(A)	G1.5	40	/	40	G1	221	159	379
QDX15-7-0.55LA	G2	50	/	50	G1.5	237	160	393
Q(D)X10-16-0.75L(A)	G1.5	50	/	50	G1.5	221	159	372
Q(D)15-10-0.75L(A)	G2	50	/	50	G2	237	166.5	393
Q(D)10-18-1.1L(A)	G2	50	/	50	G1.5	271	190	425
Q(D)15-14-1.1L(A)	/	65	G2	/	/	267	182	426
Q(D)25-6-0.75L(A)	/	80	G2.5	/	/	248	162	392
Q(D)40-6-1.1L(A)	/	80	G2.5	/	/	268	194	452
QDX40-9-1.5L	/	80	G2.5	/	/	319	218	510
QX40-9-1.5L	/	80	G2.5	/	/	319	218	480
Q(D)50-10-2.2L	/	80	G2.5	/	/	319	218	510
QDX50-7-1.5L	/	100	G3.5	/	/	319	218	510
QX50-7-1.5L	/	100	G3.5	/	/	319	218	480
Q(D)X65-8-2.2L	/	100	G3.5	/	/	319	218	510

Package Information

Model	GW(Kgs)		L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
	QDX	QX				
QDX1.5-12-0.25LA	6.8	-	392	224	180	1788
QDX1.5-17-0.37LA	7.8	-	392	224	180	1788
QDX1.5-25-0.55LA	11.5	-	435	250	235	1062
Q(D)X1.5-32-0.75L(A)	12.5	12	435	250	235	1062
QDX3-11-0.25LA	6.8	-	392	224	180	1788
QDX3-14-0.37LA	7.8	-	392	224	180	1788
QDX3-18-0.55LA	10.2	-	415	230	205	1388
QDX10-10-0.55LA	10.5	-	415	230	205	1388
Q(D)X6-18-0.75L(A)	11.5	11	415	230	205	1388
QDX15-7-0.55LA	11	-	420	280	215	1132
Q(D)X10-16-0.75L(A)	11.5	11	415	230	205	1388
Q(D)X15-10-0.75L(A)	13	12.5	420	280	215	1132
Q(D)X10-18-1.1L(A)	15	14	452	300	240	855
Q(D)X15-14-1.1L(A)	15	14	452	300	240	855
Q(D)X25-6-0.75L(A)	13	12	420	280	215	1132
Q(D)X40-6-1.1L(A)	17	16	490	295	235	792
Q(D)X40-9-1.5L	23.5	20.5	560	370	290	420
Q(D)X50-10-2.2L	25	23.5	560	370	290	420
Q(D)X50-7-1.5L	23.5	20.5	560	370	290	420
Q(D)X65-8-1.5L	25	23.5	560	370	290	420

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

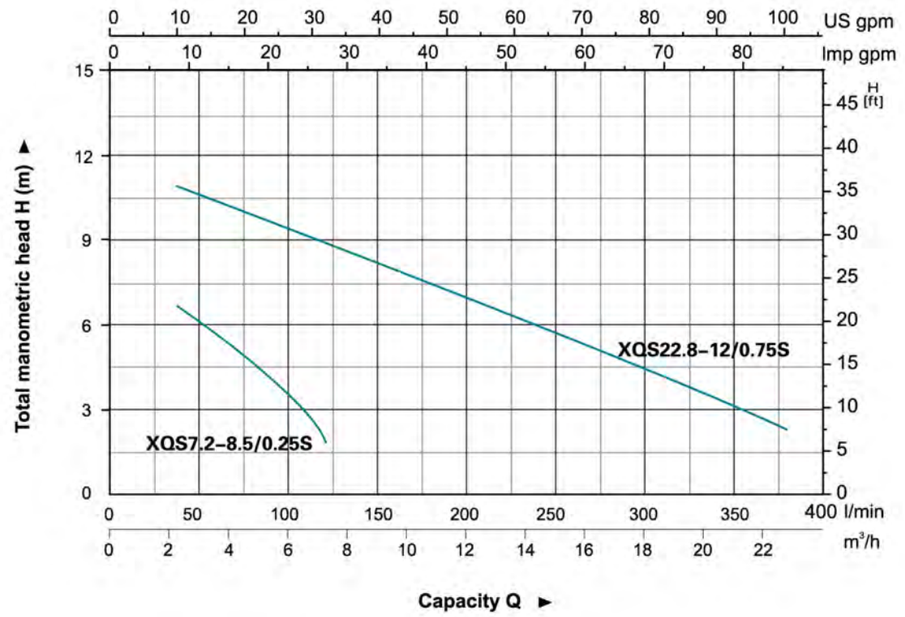
- Copper winding
- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

Identification Codes

XQS 7.2 – 8.5 / 0.25 S

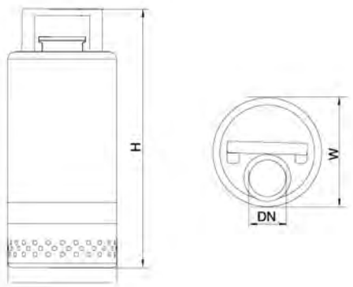
- XQS — Submersible Pump
- 7.2 — Max. Flow (m^3/h)
- 8.5 — Max. Head (m)
- 0.25 — Power (kW)
- S — Pump Body Material: Stainless Steel

Hydraulic Performance Curves



Technical Data

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

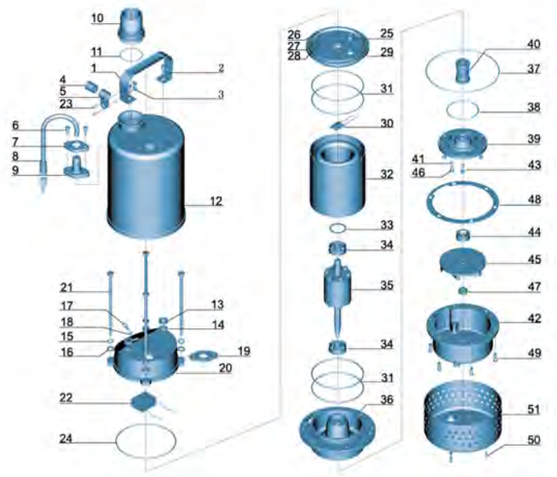


Dimension

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

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			



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

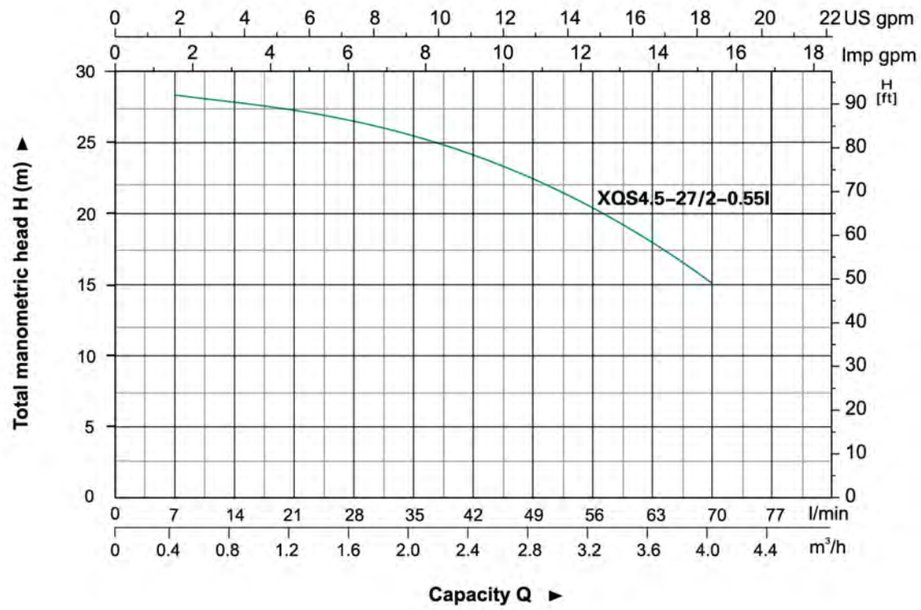
- Copper winding
- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

Identification Codes

XQS 4.5 – 27 / 2 – 0.55 I

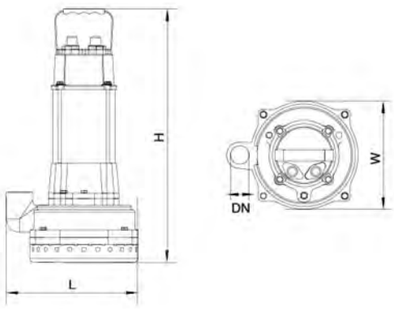
- XQS — Submersible Pump
- 4.5 — Max. Flow (m^3/h)
- 27 — Max. Head (m)
- 2 — Impeller Stage
- 0.55 — Power (kW)
- I — Pump Body Material : Cast Iron

Hydraulic Performance Curves



Technical Data

Model	Power (kW)	Power HP	Outlet diameter (mm)	Voltage (V/Hz)	Max.flow (l/min)	Max.head (m)	GW (kgs)	Packing size (mm)	Quantity (PCS/20'TEU)
XQS4.5-27/2-0.55I	0.55	0.75	25	220/50	75	27	21.8	500x270x235	980



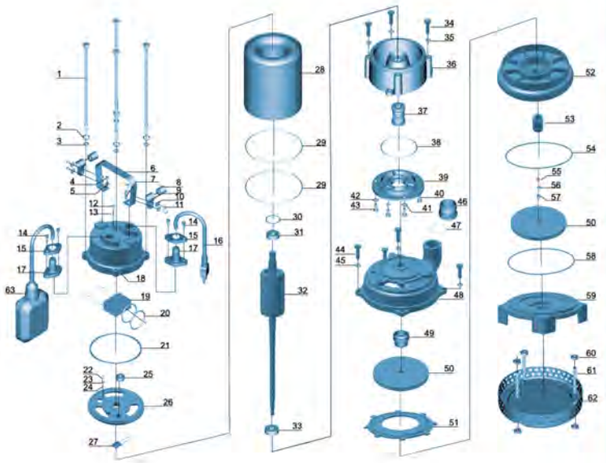
Dimension

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

Materials Table

No.	Part	Material
1	Bolt	Stainless steel
2	Stretching washer	Stainless steel
3	Washer	Stainless steel
4	Bolt	Stainless steel
5	Washer	Stainless steel
6	Handle	Stainless steel
7	Nut	Stainless steel
8	Protector	NR
9	Cable presser	Stainless steel
10	Washer	Stainless steel
11	Screw	Stainless steel
12	Bolt	Stainless steel
13	O-ring	NBR
14	Bolt	Stainless steel
15	Flange	Stainless steel
16	Cable	
17	Cable protector	CR
18	Capacitor cover	HT200
19	Capacitor	
20	O-ring	NBR
21	O-ring	NBR
22	Screw	CuZu40
23	Stretching washer	65Mn
24	Washer	CuZu40
25	Cable holder	NBR
26	Motor cover	HT200
27	Thermal protector	
28	Stator	
29	O-ring	NBR
30	Wave washer	65Mn
31	Ball bearing	
32	Rotor	

No.	Part	Material
33	Ball bearing	
34	Bolt	Stainless steel
35	Washer	Stainless steel
36	Connection part	HT200
37	Mechanical seal	Carbon/Ceramic
38	O-ring	NBR
39	Oil chamber cover	HT200
40	Screw	Stainless steel
41	Washer	Stainless steel
42	O-ring	Stainless steel
43	Screw	Stainless steel
44	Bolt	Stainless steel
45	Washer	Stainless steel
46	Connector	ABS
47	O-ring	NBR
48	Pump body	HT200
49	Mechanical seal	Ceramic/Carbon
50	Impeller	PPO
51	Guidleaf cover	PPO
52	Guidleaf	PPO
53	Sleeve	PPO
54	O-ring	NBR
55	Washer	Stainless steel
56	Stretching washer	Stainless steel
57	Nut	Stainless steel
58	O-ring	NBR
59	Pump cover	HT200
60	Nut	
61	Bilateral bolt	Stainless steel
62	Filter mesh	Stainless steel
63	Float switch	



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

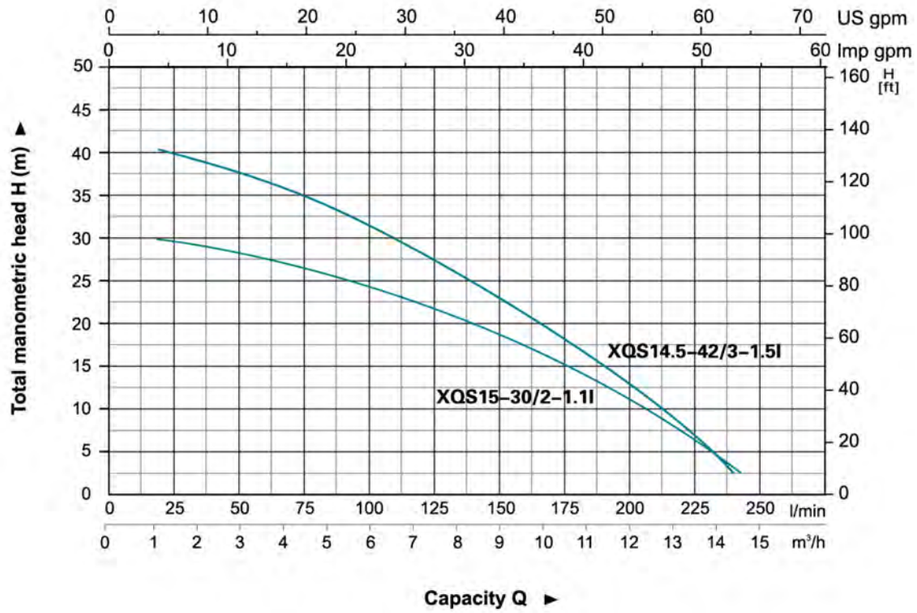
- Copper winding
- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

Identification Codes

XQS15 – 30 / 2 – 1.1 I

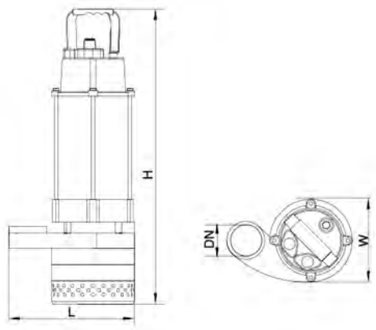
- XQS15 – Submersible Pump
- 30 – Max. Flow (m^3/h)
- 2 – Max. Head (m)
- 1.1 – Impeller Stage
- I – Power (kW)
- Pump Body Material : Cast Iron

Hydraulic Performance Curves



Technical Data

Model	Power (kW)	Power HP	Outlet diameter (mm)	Voltage (V/Hz)	Max.flow (l/min)	Max.head (m)	GW (kgs)	Packing size (mm)	Quantity (PCS/20 TEU)
XQS15–30/2–1.1I	1.1	1.5	50	220/50	250	30	23.3	555x290x220	840
XQS14.5–42/3–1.5I	1.5	2.0	50	220/50	240	42	26.8	625x285x205	814



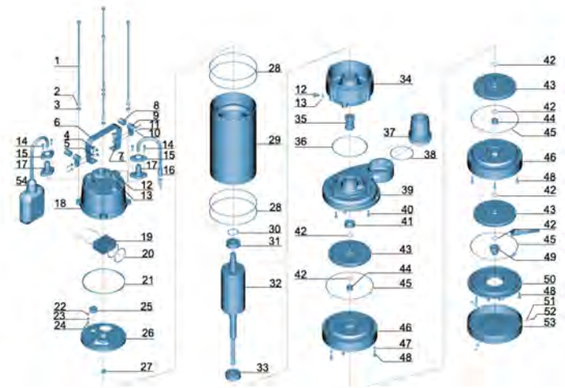
Dimension

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

Materials Table

No.	Part	Material
1	Bolt	Stainless steel
2	Stretching washer	Stainless steel
3	Washer	Stainless steel
4	Bolt	Stainless steel
5	Washer	Stainless steel
6	Handle	Stainless steel
7	Nut	Stainless steel
8	Protector	NR
9	Cable presser	Stainless steel
10	Washer	Stainless steel
11	Screw	Stainless steel
12	Bolt	Stainless steel
13	O-ring	NBR
14	Screw	Stainless steel
15	Flange	Stainless steel
16	Cable	
17	Cable protector	CR
18	Capacitor cover	HT200
19	Capacitor	
20	O-ring	NBR
21	Rubber washer	NBR
22	Screw	CuZn40
23	Stretching washer	65Mn
24	Washer	CuZn40
25	Cable holder	NBR
26	Motor cover	HT200
27	Thermal protector	
28	O-ring	NBR

No.	Part	Material
29	Stator	
30	Wave washer	65Mn
31	Ball bearing	
32	Rotor	
33	Ball bearing	
34	Connection part	HT200
35	Mechanical seal	Ceramic/Carbon
36	O-ring	NBR
37	Connector	ABS
38	O-ring	NBR
39	Pump body	HT200
40	Screw	Stainless steel
41	Oil seal	
42	Rubber washer	NBR
43	Impeller	HT200
44	Ring	Steel
45	O-ring	NBR
46	Diffuser	HT200
47	Stretching washer	Stainless steel
48	Screw	Stainless steel
49	Nut	Stainless steel
50	Pump cover	HT200
51	Washer	Stainless steel
52	Screw	Stainless steel
53	Filter mesh	Steel
54	Float switch	
55	Key	Steel



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

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

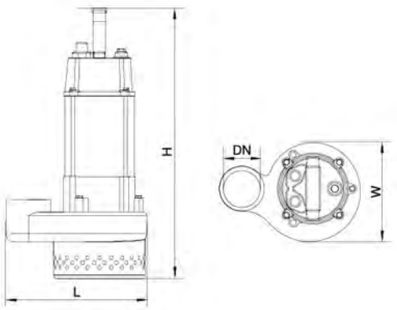
Identification Codes

XQS 15 – 20 / 1.1 I

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

Technical Data

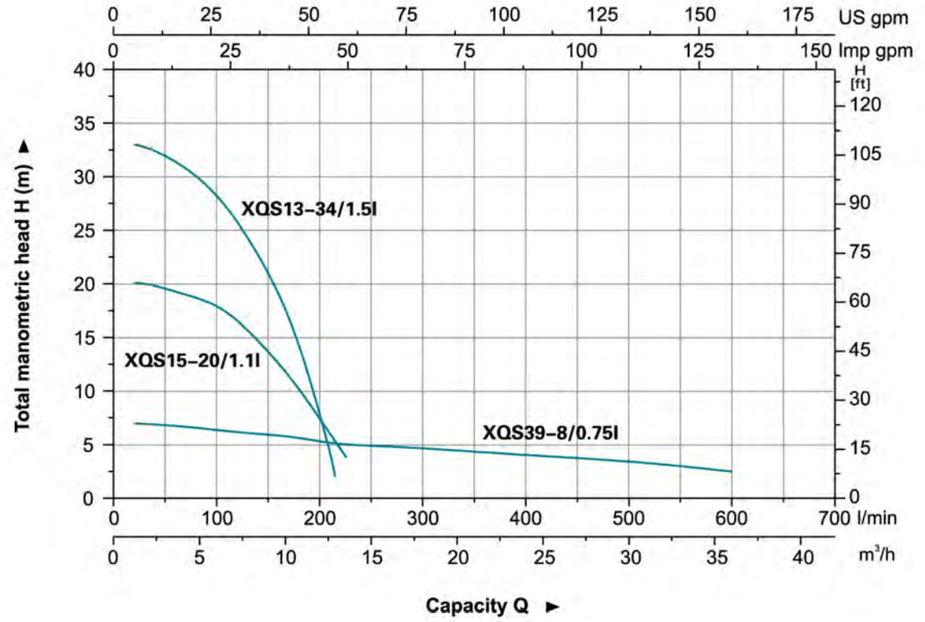
Model	Power (kW)	Power HP	Outlet diameter (mm)	Voltage (V/Hz)	Max.flow (l/min)	Max.head (m)	GW (kgs)	Packing size (mm)	Quantity (PCS/20'TEU)
XQS39–8/0.75I	0.75	1.0	75	220/50	650	8	21.6	580x320x250	684
XQS15–20/1.1I	1.1	1.5	40,32,25	220/50	250	20	21.5	510x290x220	880
XQS13–34/1.5I	1.5	2.0	40,32,25	220/50	216	34	25.3	580x320x250	648



Dimension

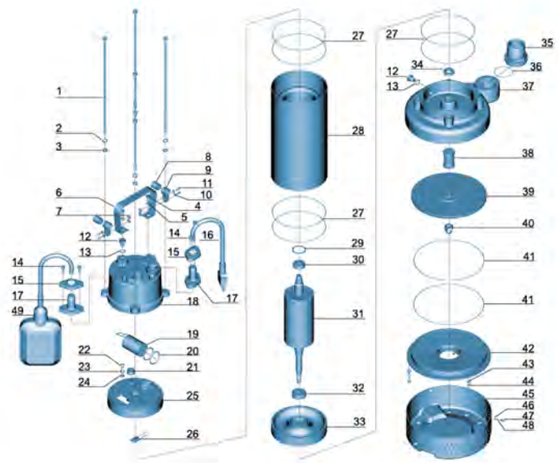
Model	DN	L (mm)	W (mm)	H (mm)
XQS39–8/0.75I	$2^1/_2$"	207	109	500
XQS15–20/1.1I	$1^1/_4$"	238	177	460
XQS13–34/1.5I		250	205	512

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	Ceramic/Carbon
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			



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

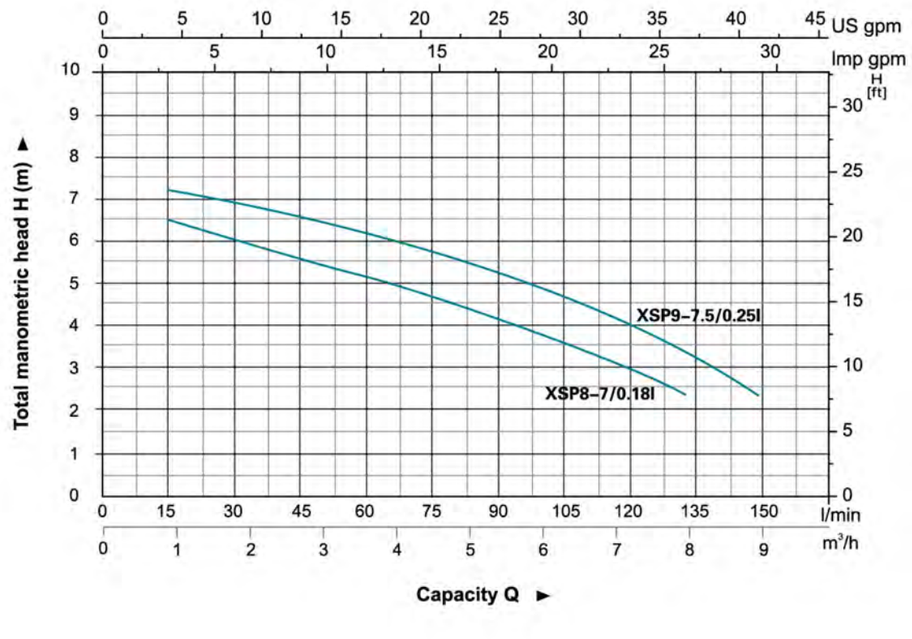
- Copper winding
- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

Identification Codes

XSP 8 – 7 / 0.18 I

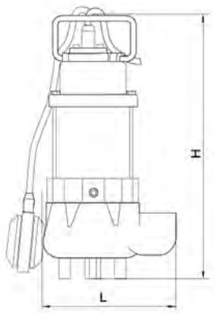
- Pump Body Material : Cast Iron
- Power (kW)
- Max. Head (m)
- Max. Flow (m^3/h)
- Sewage Submersible Pump

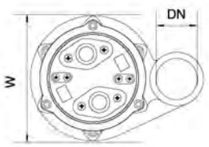
Hydraulic Performance Curves



Technical Data

Model	Power (kW)	Power HP	Outlet diameter (mm)	Voltage (V/Hz)	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	220/50	133	7	15	9	185x180x360	2322
XSP9-7.5/0.25I	0.25	0.33	40,32,25	220/50	150	7.5	15	10	185x180x380	2174



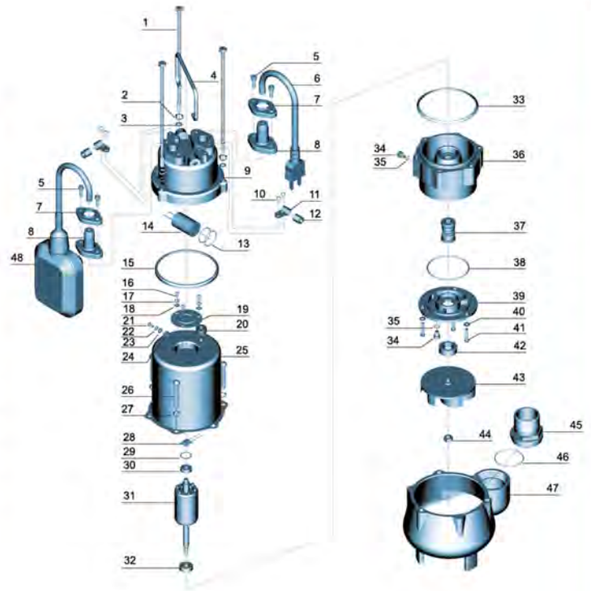


Dimension

Model	DN	L (mm)	W (mm)	H (mm)
XSP8-7/0.18I	$1^1/_4$"	166	121	335
XSP9-7.5/0.25I		166	121	355

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	Ceramic/Carbon
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

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

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

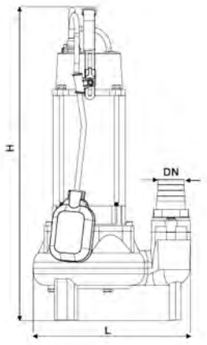
Identification Codes

XSP 32 - 17 / 1.5 I

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

Technical Data

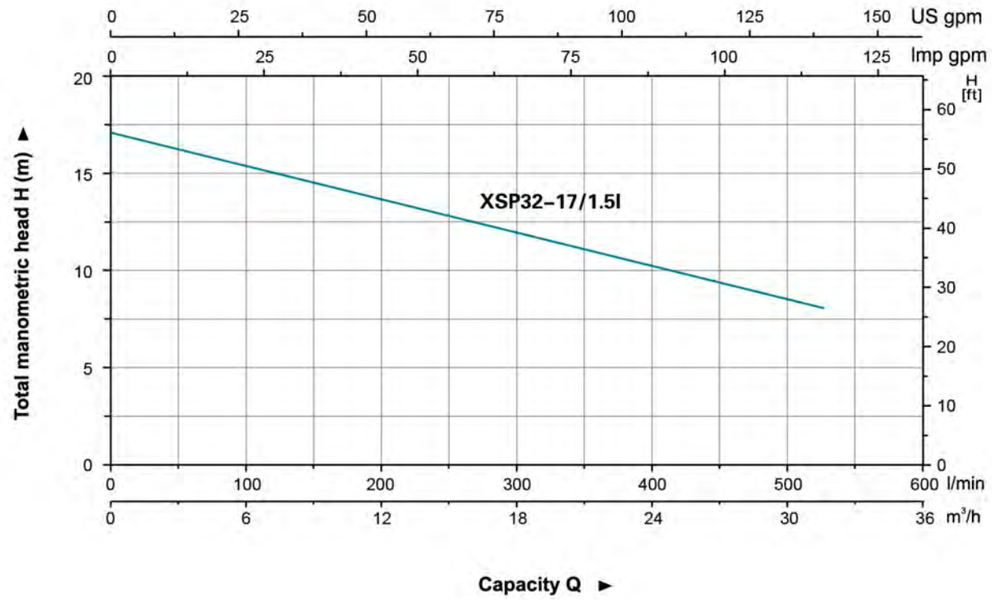
Model	Power (kW)	Power HP	Outlet diameter (mm)	Voltage (V/Hz)	Max.flow (l/min)	Max.head (m)	Max.dia. of particle (mm)	GW (kgs)	Packing size (mm)
XSP32-17/1.5I	1.5	2	50	220/50	530	17	25	29	610x315x255



Dimension

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

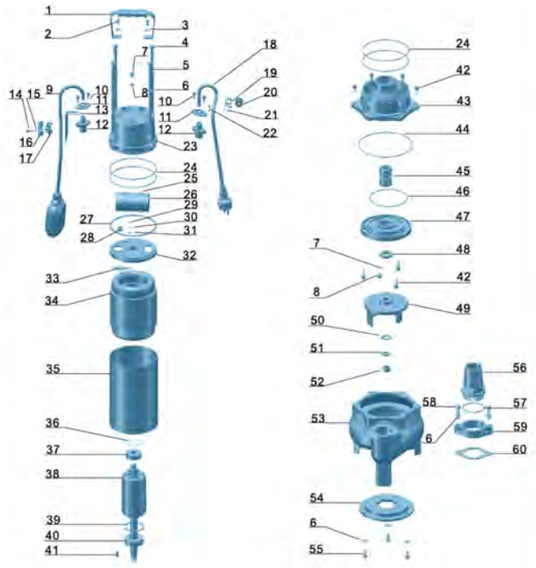
Hydraulic Performance Curves



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: $1.2x10^3 kg/m^3$

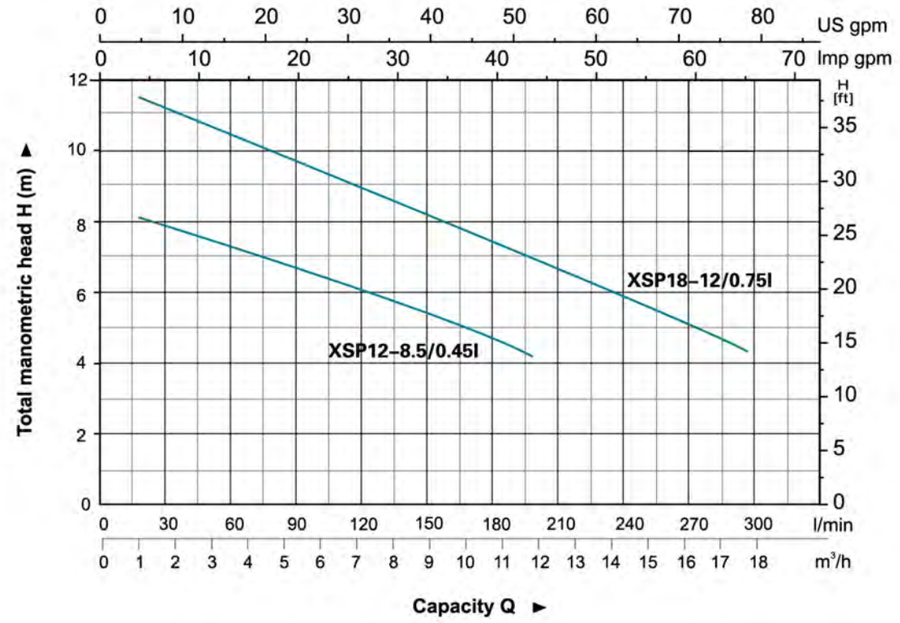
Motor
- Copper winding
- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

Identification Codes

XSP 12 – 8.5 / 0.45 I

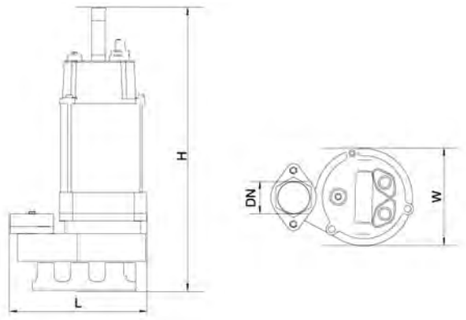
- Pump Body Material : Cast Iron
- Power (kW)
- Max. Head (m)
- Max. Flow (m^3/h)
- Sewage Submersible Pump

Hydraulic Performance Curves



Technical Data

Model	Power (kW)	Power HP	Outlet diameter (mm)	Voltage (V/Hz)	Max.flow (l/min)	Max.head (m)	Max.dia. of particle (mm)	GW (kgs)	Packing size (mm)	Quantity (PCS/20'TEU)
XSP12-8.5/0.45I	0.45	0.6	50	220/50	200	8.5	25	18.2	495x263x222	1010
XSP18-12/0.75I	0.75	1.0	50	220/50	300	12	25	20.2	540x265x195	1056



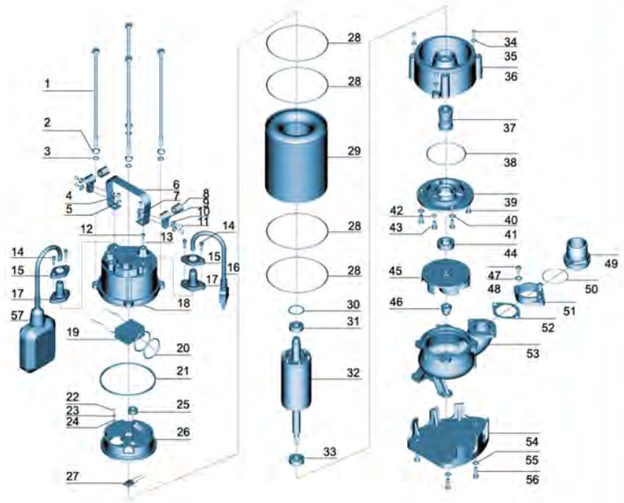
Dimension

Model	DN	L (mm)	W (mm)	H (mm)
XSP12-8.5/0.45I	2"	225	150	450
XSP18-12/0.75I		226	159	500

Materials Table

No.	Part	Material
1	Bolt	Stainless steel
2	Stretching washer	Stainless steel
3	Washer	Stainless steel
4	Bolt	Stainless steel
5	Washer	Stainless steel
6	Handle	Stainless steel
7	Nut	Stainless steel
8	Protector	NR
9	Cable presser	Stainless steel
10	Washer	Stainless steel
11	Screw	Stainless steel
12	Bolt	Stainless steel
13	O-ring	NBR
14	Screw	Stainless steel
15	Flange	Stainless steel
16	Cable	
17	Cable protector	CR
18	Capacitor cover	HT200
19	Capacitor	
20	O-ring	NBR
21	Rubber washer	NBR
22	Screw	CuZn40
23	Stretching washer	65Mn
24	Washer	CuZn40
25	Cable holder	NBR
26	Motor cover	HT200
27	Thermal protector	
28	O-ring	NBR
29	Stator	

No.	Part	Material
30	Wave washer	65Mn
31	Ball bearing	
32	Rotor	
33	Ball bearing	
34	Screw	Stainless steel
35	Washer	Stainless steel
36	Connection part	HT200
37	Mechanical seal	Ceramic/Carbon
38	O-ring	NBR
39	Oil chamber cover	HT200
40	Screw	Stainless steel
41	Washer	Stainless steel
42	O-ring	NBR
43	Screw	Stainless steel
44	Oil seal	
45	Impeller	HT200
46	Nut	Stainless steel
47	Bolt	Stainless steel
48	Washer	Stainless steel
49	Connector	ABS
50	O-ring	NBR
51	Connector nut	HT200
52	Rubber washer	NBR
53	Pump body	HT200
54	Base plate	HT200
55	Washer	Stainless steel
56	Screw	Stainless steel
57	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

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

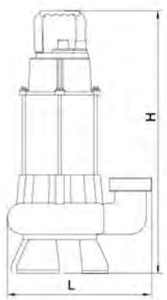
Identification Codes

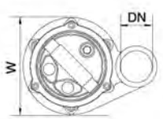
XSP 20 – 9 / 1.1 I

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

Technical Data

Model	Power (kW)	Power HP	Outlet diameter (mm)	Voltage (V/Hz)	Max.flow (l/min)	Max.head (m)	Max.dia. of particle (mm)	GW (kgs)	Packing size (mm)	Quantity (PCS/20 TEU)
XSP20-9/1.1I	1.1	1.5	50	220/50	333	9	35	20.9	580x320x250	681

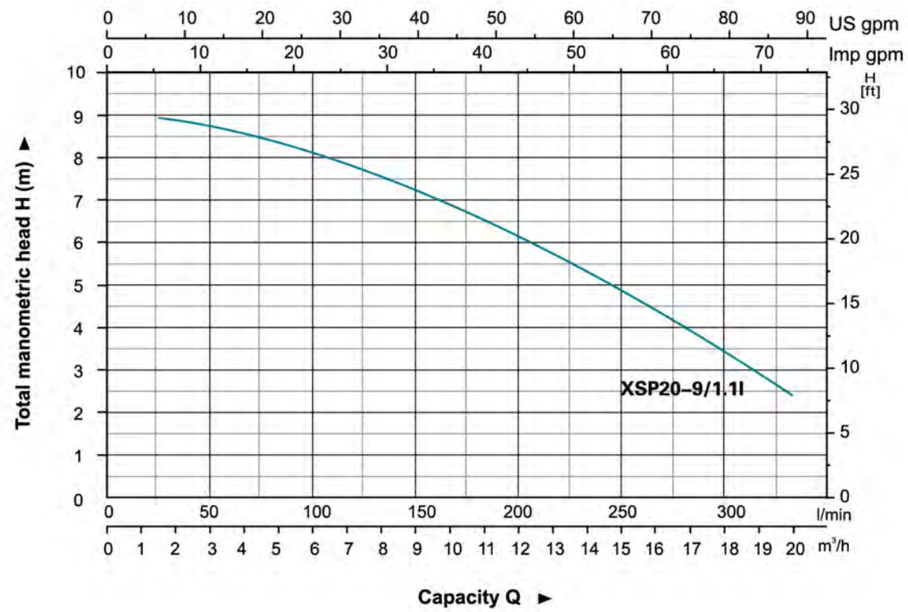




Dimension

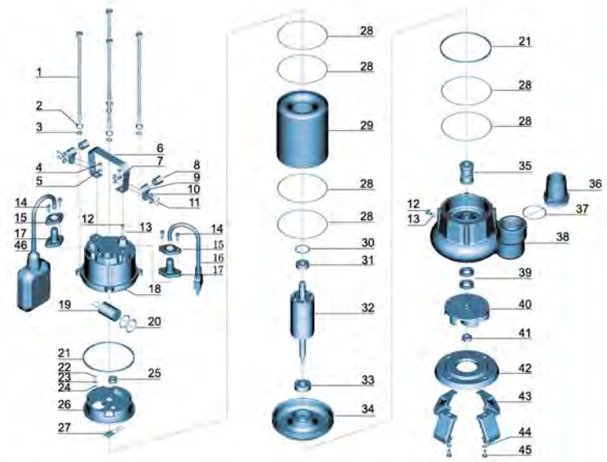
Model	DN	L (mm)	W (mm)	H (mm)
XSP20-9/1.1I	2"	280	200	530

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	Ceramic/Carbon
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

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

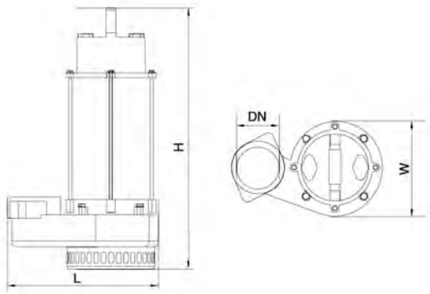
Identification Codes

XSP 42 – 17 / 2.2 I

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

Technical Data

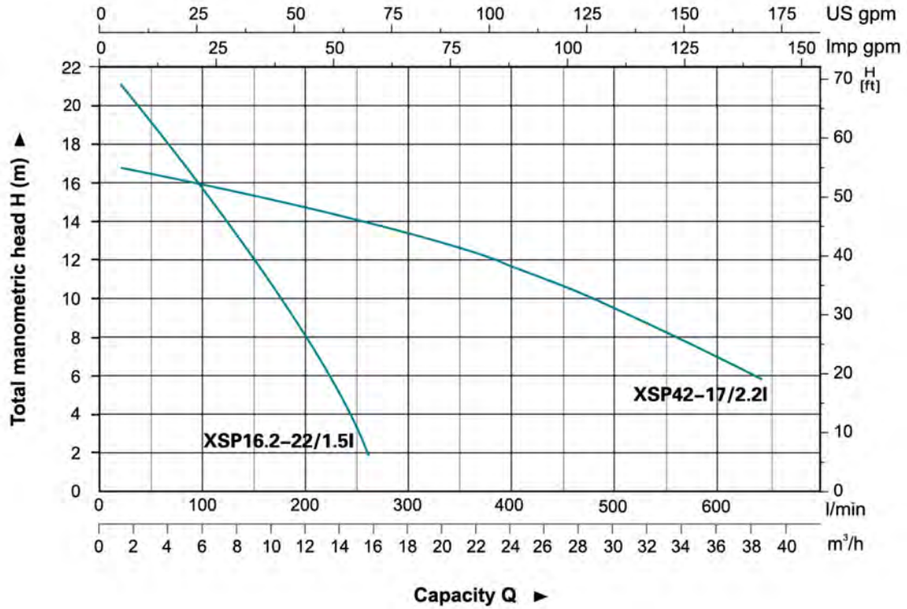
Model	Power (kW)	Power HP	Outlet diameter (mm)	Voltage (V/Hz)	Max.flow (l/min)	Max.head (m)	Max.dia. of particle (mm)	GW (kgs)	Packing size (mm)	Quantity (PCS/20'TEU)
XSP16.2-22/1.5I	1.5	2.0	40	220/50	270	22	10	27.6	585x350x245	540
XSP42-17/2.2I	2.2	3.0	75	220/50	700	17	20	29.7	585x350x245	540



Dimension

Model	DN	L (mm)	W (mm)	H (mm)
XSP16.2-22/1.5I	$1^1/_2$"	308	198	530
XSP42-17/2.2I	3"	302	190	535

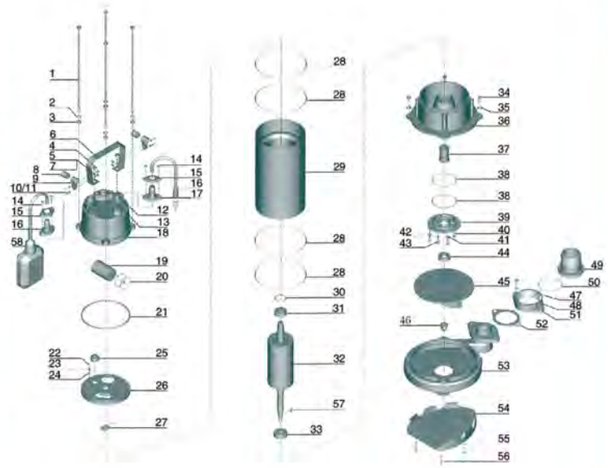
Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Bolt	Stainless steel
2	Stretching washer	Stainless steel
3	Washer	Stainless steel
4	Bolt	Stainless steel
5	Washer	Stainless steel
6	Handle	Stainless steel
7	Nut	Stainless steel
8	Protector	NR
9	Cable presser	Stainless steel
10	Washer	Stainless steel
11	Screw	Stainless steel
12	Bolt	Stainless steel
13	O-ring	NBR
14	Screw	Stainless steel
15	Flange	Stainless steel
16	Cable	
17	Cable protector	CR
18	Capacitor cover	HT 200
19	Capacitor	
20	O-ring	NBR
21	Rubber washer	NBR
22	Screw	CuZn40
23	Stretching washer	65Mn
24	Washer	CuZn40
25	Line protector	NBR
26	Motor cover	HT 200
27	Thermal protector	
28	O-ring	NBR
29	Motor stator	Stainless steel
30	Undulated washer	65Mn

No.	Part	Material
31	Ball bearing	
32	Rotor	
33	Ball bearing	
34	Screw	Stainless steel
35	Washer	Stainless steel
36	Connection part	HT 200
37	Mechanical seal	Ceramic/Carbon
38	O-ring	NBR
39	Oil chamber cover	HT 200
40	Screw	Stainless steel
41	Washer	Stainless steel
42	O-ring	NBR
43	Screw	Stainless steel
44	Oil seal	
45	Impeller	HT 200
46	Nut	Stainless steel
47	Bolt	Stainless steel
48	Washer	Stainless steel
49	Out-let connector	ABS
50	O-ring	NBR
51	Connection nut	HT 200
52	Rubber washer	NBR
53	Pump body	HT 200
54	Base plate	HT 200
55	Washer	Stainless steel
56	Screw	Stainless steel
57	Key	
58	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

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

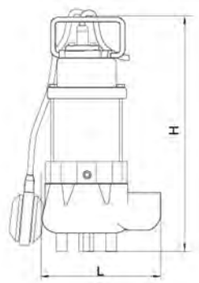
Identification Codes

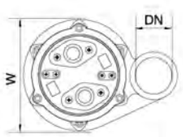
XSP 9 – 7.5 / 0.25 S

- 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 (kW)	Power HP	Outlet diameter (mm)	Voltage (V/Hz)	Max.flow (l/min)	Max.head (m)	Max.dia. of particle (mm)	GW (kgs)	Packing size (mm)	Quantity (PCS/20 TEU)
XSP9-7.5/0.25S	0.25	0.33	40,32,25	220/50	150	7.5	15	10.5	185x180x380	2110

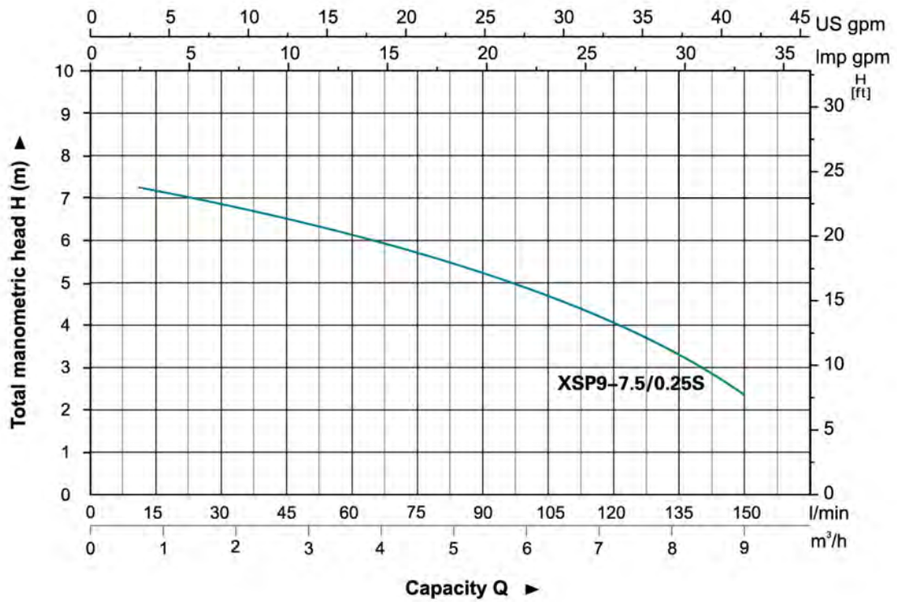




Dimension

Model	DN	L (mm)	W (mm)	H (mm)
XSP9-7.5/0.25S	1¼"	165	120	360

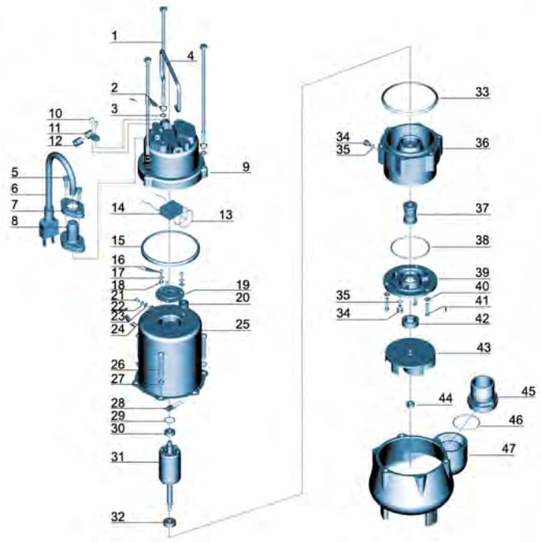
Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Bolt	Stainless steel
2	Stretching washer	Stainless steel
3	Washer	Stainless steel
4	Handle	Stainless steel
5	Screw	Stainless steel
6	Cable	
7	Flange	Stainless steel
8	Cable protector	CR
9	Capacitor cover	Stainless steel
10	Screw	Stainless steel
11	Cable presser	Stainless steel
12	Protector	FKM
13	O-ring	NBR
14	Capacitor	
15	Rubber washer	FKM
16	Screw	Steel
17	Stretching washer	65Mn
18	Washer	Steel
19	Press plate	Steel
20	Cable holder	NBR
21	Screw	CuZn40
22	Stretching washer	65Mn
23	Washer	CuZn40
24	Nut	Stainless steel

No.	Part	Material
25	Stator	
26	Screw	Stainless steel
27	Stretching washer	Stainless steel
28	Thermal protector	
29	Wave washer	65Mn
30	Ball bearing	
31	Rotor	
32	Ball bearing	
33	Rubber washer	FKM
34	Screw	Stainless steel
35	O-ring	FKM
36	Connection part	Stainless steel
37	Mechanical seal	Ceramic/Carbon
38	O-ring	FKM
39	Oil chamber cover	Stainless steel
40	Washer	Stainless steel
41	Screw	Stainless steel
42	Oil seal	
43	Impeller	Stainless steel
44	Nut	Stainless steel
45	Connector	ABS
46	O-ring	FKM
47	Pump body	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

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

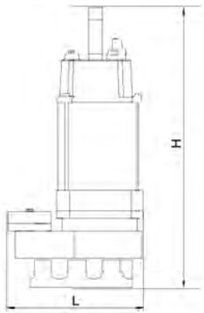
Identification Codes

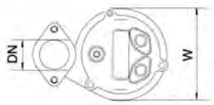
XSP 18 – 12 / 0.75 S

- 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 (kW)	Power HP	Outlet diameter (mm)	Voltage (V/Hz)	Max.flow (l/min)	Max.head (m)	Max.dia. of particle (mm)	GW (kgs)	Packing size (mm)	Quantity (PCS/20'TEU)
XSP18-12/0.75S	0.75	1.0	50	220/50	300	12	25	22.2	540x265x195	1056
XSP16.2-22/1.5S	1.5	2.0	40	220/50	270	22	10	27.5	585x350x245	540

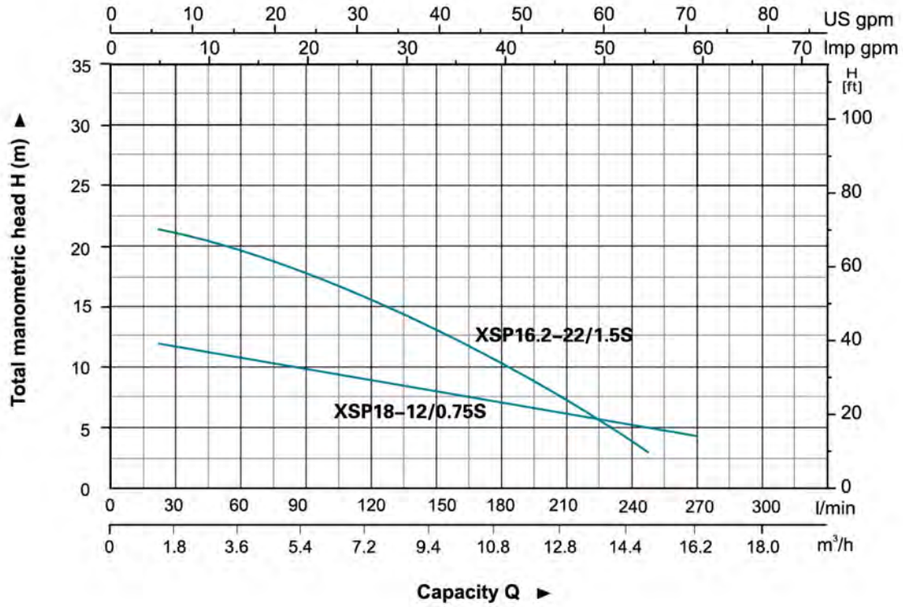




Dimension

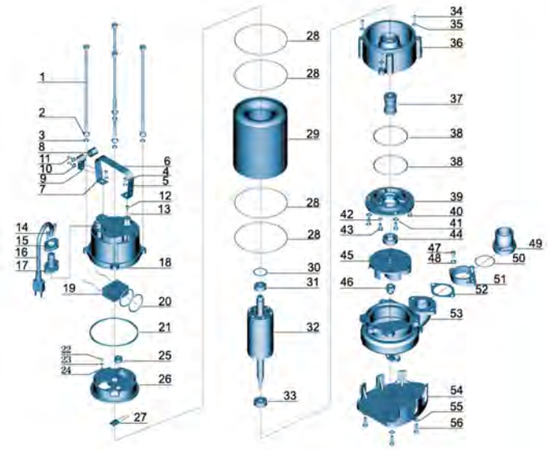
Model	DN	L (mm)	W (mm)	H (mm)
XSP18-12/0.75S	2"	226	159	500
XSP16.2-22/1.5S		275	198	530

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	Ceramic/Carbon
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

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

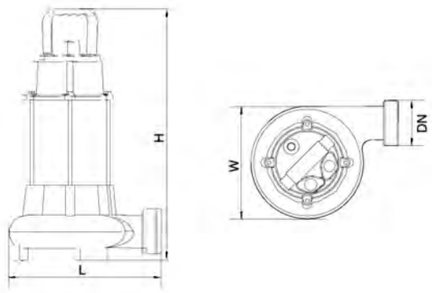
Identification Codes

XSP 14 – 7 / 1.1 I D

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

Technical Data

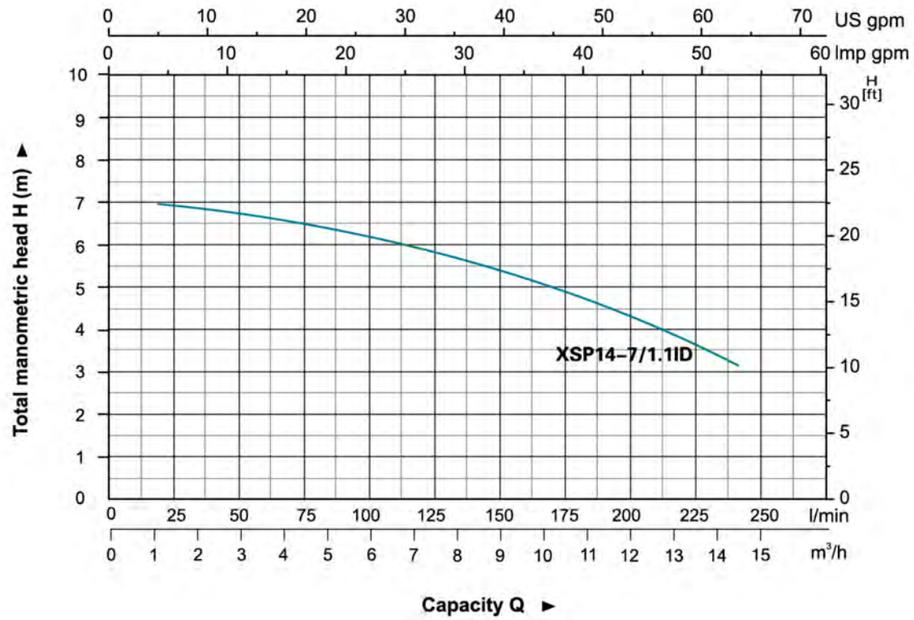
Model	Power (kW)	Power HP	Outlet diameter (mm)	Voltage (V/Hz)	Max.flow (l/min)	Max.head (m)	Max.dia. of particle (mm)	GW (kgs)	Packing size (mm)	Quantity (PCS/20 TEU)
XSP14-7/1.1ID	1.1	1.5	50	220/50	233	7	22.5	24	530x295x245	765



Dimension

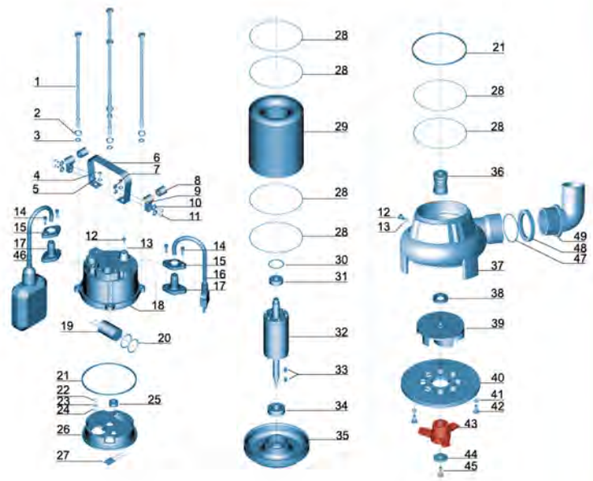
Model	DN	L (mm)	W (mm)	H (mm)
XSP14-7/1.1ID	2"	255	202	478

Hydraulic Performance Curves



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	Ceramic/Carbon
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

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

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

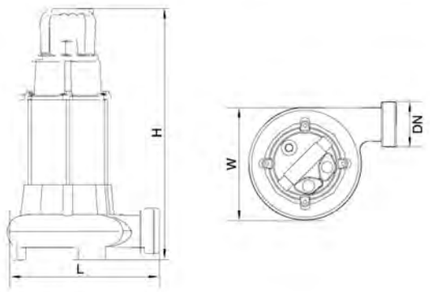
Identification Codes

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

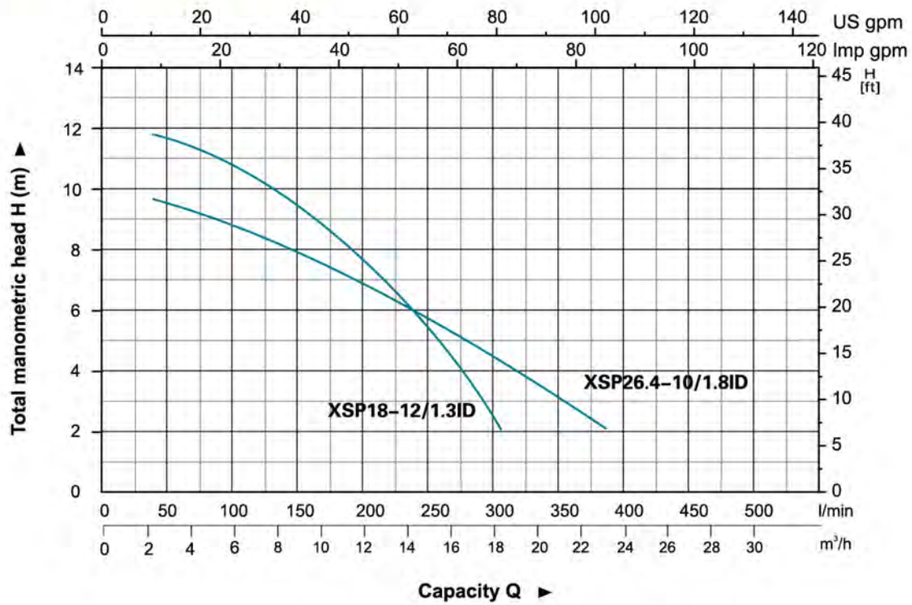
Model	Power (kW)	Power HP	Outlet diameter (mm)	Voltage (V/Hz)	Max.flow (l/min)	Max.head (m)	GW (kgs)	Packing size (mm)	Quantity (PCS/20 TEU)
XSP18-12/1.3ID	1.3	1.75	50	220/50	300	12	22.8	570x310x245	675
XSP26.4-10/1.8ID	1.8	2.4	75	220/50	440	10	30	585x350x245	540



Dimension

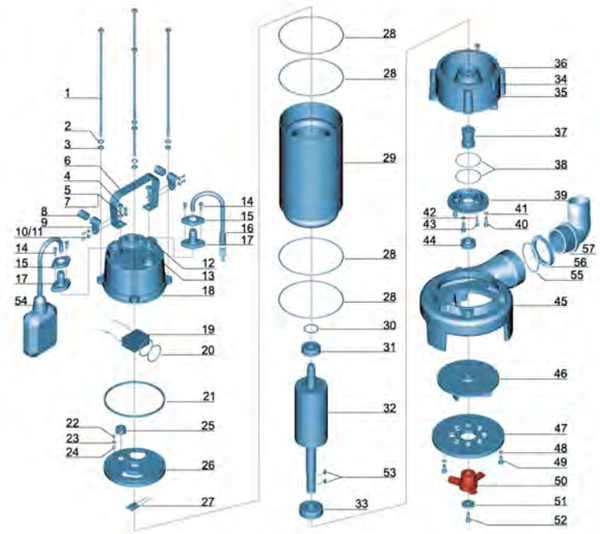
Model	DN	L (mm)	W (mm)	H (mm)
XSP18-12/1.3iD	2"	252	191	510
XSP26.4-10/1.8ID	$2^1/_2$"	290	196	520

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	Ceramic/Carbon
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			



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.

Application

- 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

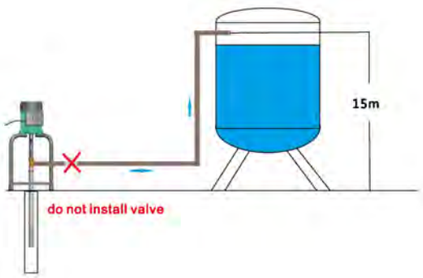
- 25 — Pipe Length (m)
- 750 — Power (W)
- FSP — FSP Flexible Shaft Pump (Single-phase machine)

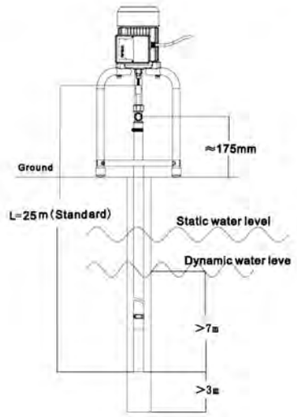
Technical Data

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

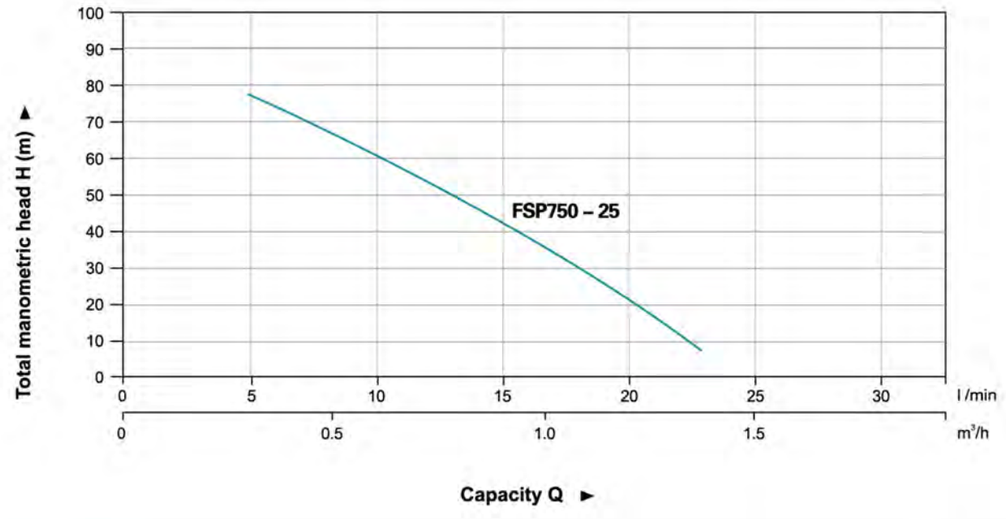




Mounting Dimension

(Flexible shaft pump length L, According to water depth matching,pipe standard length 25m)

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Front end cover	HT200
2	Oil seal	NBR
3	Bearing	GCr15
4	Rotor	
5	Cover box	ABS
6	Capacitor	
7	Cover lid	ABS
8	Stator	
9	Outgoing line	
10	Rear end cover	HT200
11	VD type sealing ring	
12	Fan	PP
13	Fan cover	Q235
14	Tee	Brass

No.	Part	Material
15	External pipe	PP
16	Hose clamp	304
17	Hose clamp	304
18	Bearing sheath	Q235
19	Component of soft shaft	
20	Internal pipe	PP
21	Component of pump head	
22	Support	Q235
23	Rail	Q235

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

- The lifting station is suitable for pumping of wastewater off places in private dwellings and basements where wastewater cannot be led directly to the sewer by means of a natural downward slope.
- It is typically used for:
  - Renovation of offices or other commercial buildings
  - Wall-mounted toilets in basements below sewer level
  - Washing machines & dish washers
  - Toilets, wash basins, bathtubs and cabinet showers in the bathrooms where the location may be remote from the main soil pipe so that a natural slope cannot be established

Features

- Compact and slim for easy installation
- Automatic start and stop
- Top quality air switch and carbon filter from Germany
- Circuit board with time delay function and low voltage protection
- Low noise
- New blade and support with better cutting performance
- Suitable for sewage water containing toilet paper and faeces with cutting blade

Operating Conditions

- Max. liquid temperature: 50°C
- Max. ambient temperature: 35°C
- PH value: 4 - 10
- The pump must not be used for strong chemicals or solvents

Identification Codes

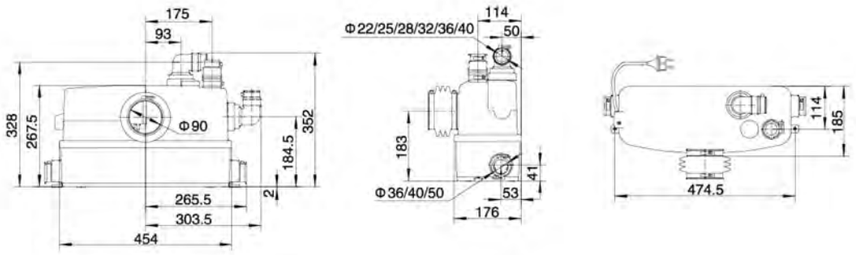
WC 60 0 A

- WC — Domestic Lifting Station
- 60 — Power(X10W)
- 0 — Improve
- A — Symbol for Product Optimization

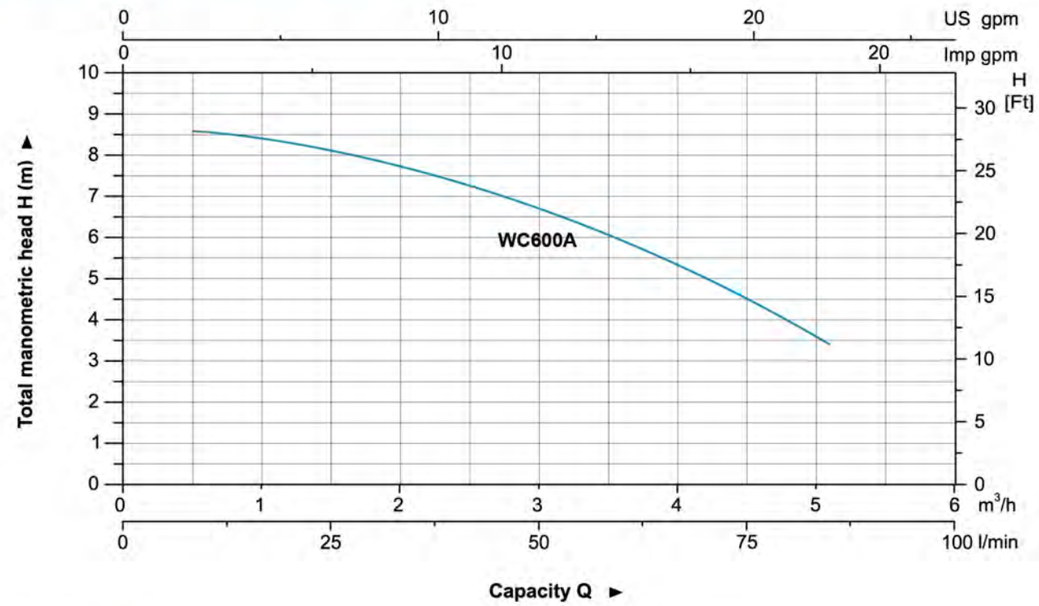
Technical Data

MODEL	POWER (P1)	Q (m³/h)	0	2.4	3.0	3.6	4.5	4.8	5.1
Single Phase	W	Q (l/min)	0	40	50	60	75	80	85
WC600A	600	H (m)	8.7	7.5	6.5	6	4.5	4	3.3

Dimension



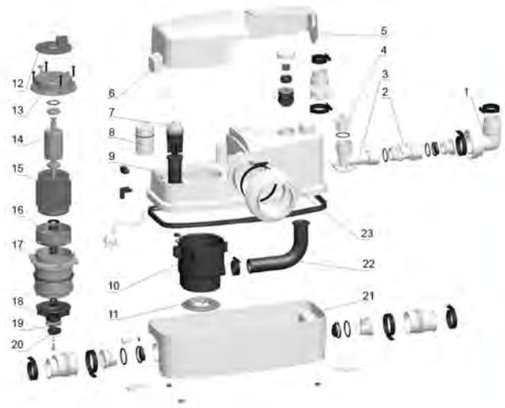
Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Outlet	EPDM
2	Connector	PP
3	3-Way	PP
4	Cover	PP
5	Outlet cover	ABS
6	Motor cover	ABS
7	Air switch	
8	Capacitor	
9	Tank cover	ABS
10	Pump body	PP
11	Cutting ring	AISI 304
12	Circuit board	
13	Upper cover	ADC12
14	Rotor	
15	Stator	
16	Bearing seat	ADC12
17	Stator shield	ZG 304

No.	Part	Material
18	Impeller	PPO
19	Cutting blade	AISI 304
20	Stirrer	PPO
21	Water tank	ABS
22	Outlet	NBR
23	Feed pipe	EPDM



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
WC600A	9.6	495	215	370	720

WC601A
Front Inlet

WC601B
Side Inlet

WC601C
Closed Inlet

Application

- The lifting station is suitable for pumping of wastewater off places in private dwellings and basements where wastewater cannot be led directly to the sewer by means of a natural downward slope.
- It is typically used for:
  - Renovation of offices or other commercial buildings
  - Wall-mounted toilets in basements below sewer level
  - Washing machines & dish washers
  - Toilets, wash basins, bathtubs and cabinet showers in the bathrooms where the location may be remote from the main soil pipe so that a natural slope cannot be established

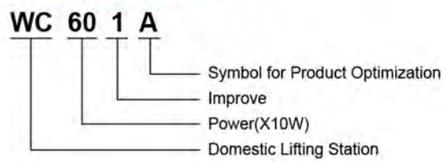
Features

- Reliable Multistage seal
- Integrated motor for easy maintenance
- Activated carbon filtration
- Powerful combined cutting system
- Worry-free auto start and stop
- Block warning

Operating Conditions

- Max. liquid temperature: 50°C
- Max. ambient temperature: 35°C
- PH value: 4 - 10
- The pump must not be used for strong chemicals or solvents

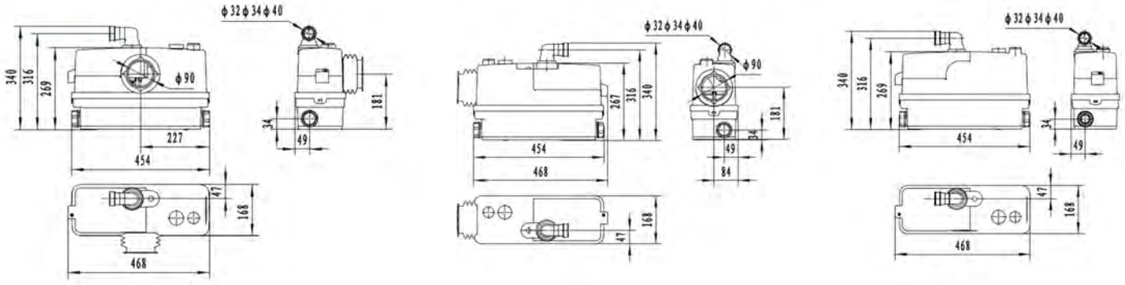
Identification Codes



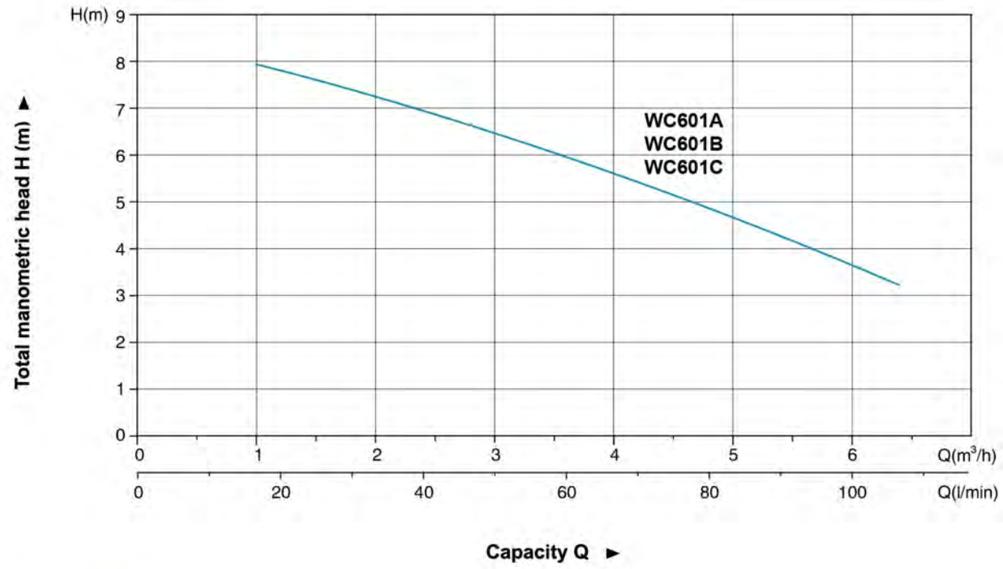
Technical Data

MODEL	POWER (P1)		Q(m³/h)	0	2.4	3.0	3.6	4.2	4.8	5.4	6
	kW	HP	Q(L/min)	0	40	50	60	70	80	90	100
WC601A	0.6	0.8	H(m)	8.5	7	6.5	6	5.5	5	4.5	3.5
WC601B	0.6	0.8		8.5	7	6.5	6	5.5	5	4.5	3.5
WC601C	0.6	0.8		8.5	7	6.5	6	5.5	5	4.5	3.5

Dimension



Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Upper cover	ADC12
2	Rotor	
3	Winding	
4	Bearing set	ADC12
5	Stator cover	304
6	Pump support	PP
7	Impeller	PPO
8	Pump body	PP
9	Bale seat	ZG
10	Blade	ZG
11	Check valve	
12	Tank	ABS
13	Feed tube	EPDM
14	Tank cover	ABS
15	Capacitor	
16	Board	
17	Switch	

No.	Part	Material
18	Outlet tube	PVC
19	Motor cover	ABS
20	Way valve parts	PP
21	Outlet	PP
22	Air switch	
23	Motor seat	PP
24	Cable	

Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
WC601A	7.7	505	215	300	924
WC601B	7.7	530	190	300	833
WC601C	7.6	530	190	300	833

XKP-ET

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
- Medium temperture: 5 - 50℃
- Environmental temperture: ≤40℃

Motor

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

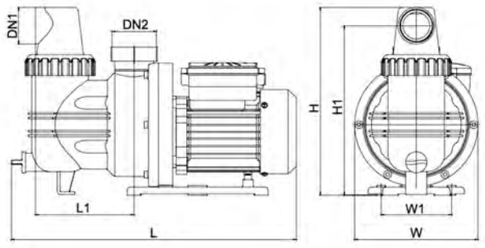
Identification Codes

XKP 450 E - 2 (T)

- Timer
- Product Style
- Pump Feature
- Power (W)
- Pool Pump

Technical Data

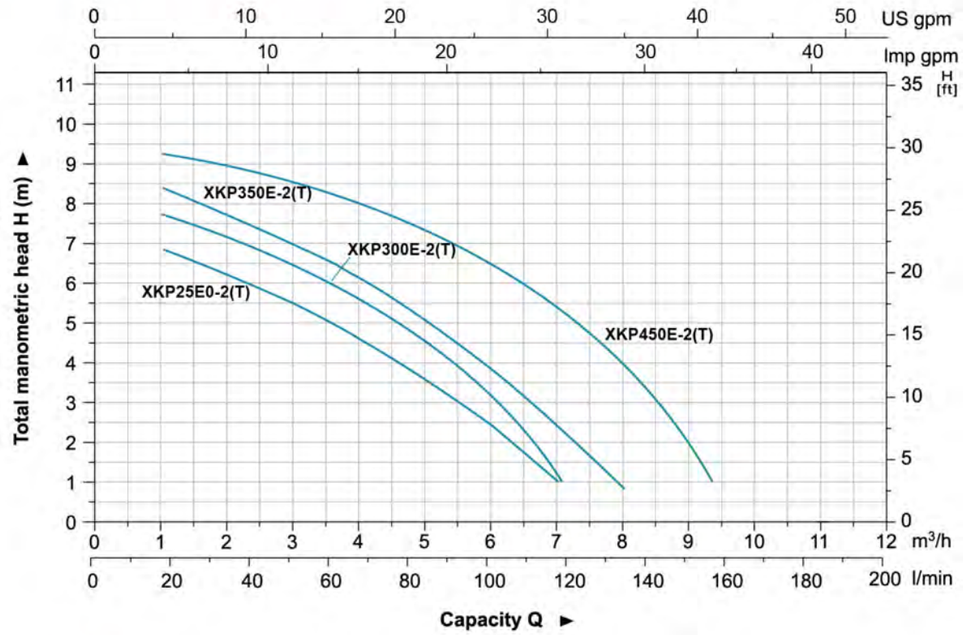
MODEL	POWER (P_2)	Q (m^3/h)	1	2	3	4	5	6	7	8	9	10
	W	Q (l/min)	17	33	50	66	83	100	116	132	150	165
XKP250E-2(T)	250	H (m)	6.9	6.3	5.5	4.6	3.6	2.4	1.0	-	-	-
XKP300E-2(T)	300		7.7	7.2	6.4	5.5	4.5	3.0	1.0	-	-	-
XKP350E-2(T)	350		8.4	7.7	7.0	6.2	5.0	3.8	2.3	0.8	-	-
XKP450E-2(T)	450		9.6	9.1	8.5	8.0	7.3	6.4	5.2	4.0	2.4	-



Dimension

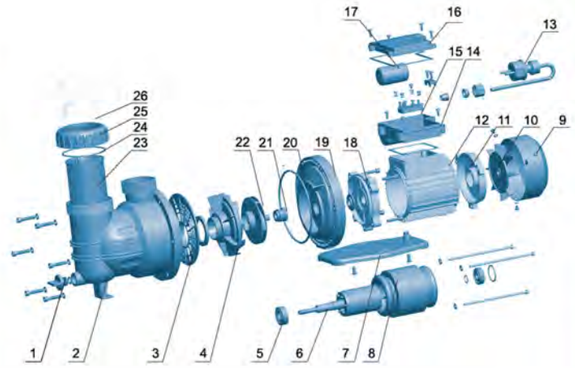
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	W1 (mm)	H1 (mm)
XKP250E-2(T)	40	40	416	175	265	140	100	239
XKP300E-2(T)			416	175	265	140	100	239
XKP350E-2(T)			416	175	265	140	100	239
XKP450E-2(T)			416	175	265	140	100	239

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	Graphite/Ceramics
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)
XKP250E-2(T)	5.6	450	203	238	1341
XKP300E-2(T)	6.0	450	203	238	1341
XKP350E-2(T)	6.2	450	203	238	1341
XKP450E-2(T)	6.4	450	203	238	1341

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
- Medium temperture: 5 - 50℃
- Environmental temperture: ≤40℃
- Max. suction: 3.5 m

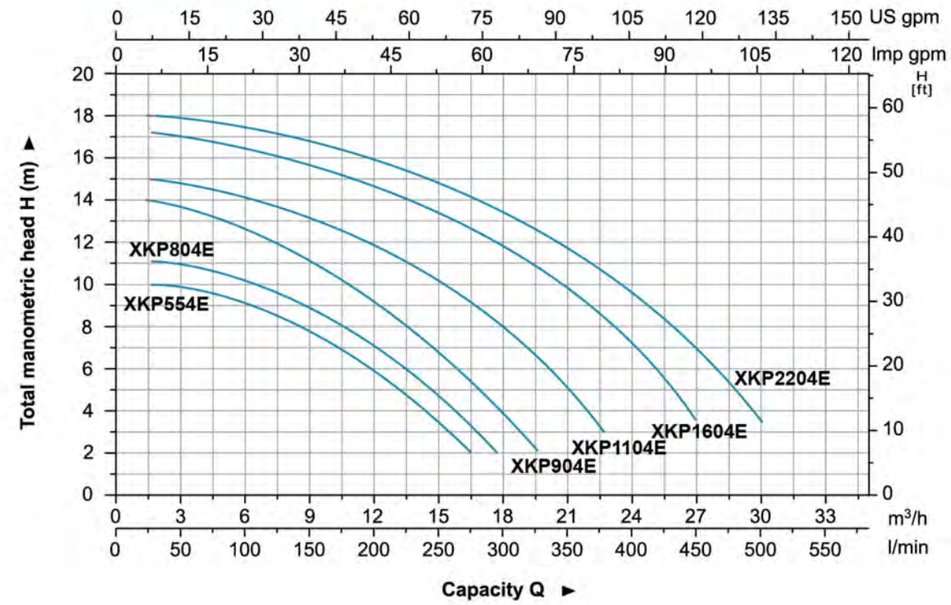
Motor
- Motor with copper or aluminum winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX5

Identification Codes

XKP 16 04 E

- E — Pump Feature
- 04 — Product Style
- 16 — Power (X 100 W)
- XKP — Pool Pump

Hydraulic Performance Curves

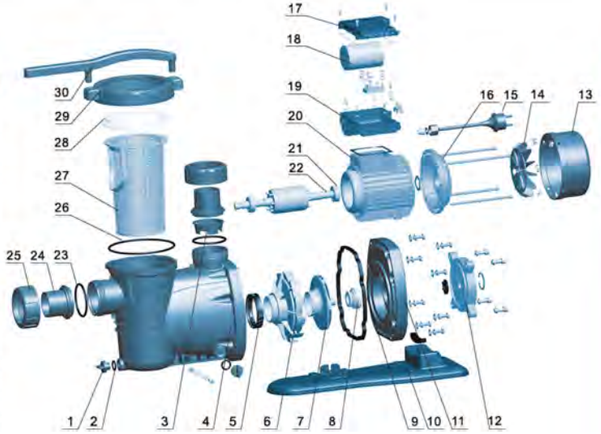


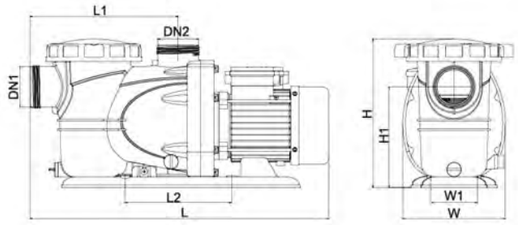
Technical Data

MODEL	POWER (P1)	Q (m³/h)	3	6	9	12	15	18	21	24	27	30
	W	Q (l/min)	50	100	150	200	250	300	350	400	450	500
XKP554E	600	H (m)	9.7	9	8	6	3.2	0.5	-	-	-	-
XKP804E	800		10.8	10.3	8.8	7	4.5	1.5	-	-	-	-
XKP904E	900		13.2	12.3	11.1	9.2	6.5	3.4	0.2	-	-	-
XKP1104E	1100		14.8	14.2	13.2	12	10.3	8	4.8	-	-	-
XKP1604E	1600		16.8	16.3	15.5	14.5	13.5	12	9.6	7	3.5	-
XKP2204E	2200		17.8	17.3	16.5	16	14.8	13.4	11.7	9.5	6.5	3.3

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	Diffuser seal washer	NBR	20	Stator	
6	Diffuser	PP	21	Bearing	
7	Impeller	PPO	22	Rotor	
8	Mechanical seal	Graphite/Ceramics	23	O-ring	NBR
9	Sealing 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





Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	L2 (mm)	H1 (mm)
XKP554E	50	50	554	190	276	274	197	187
XKP804E			554	190	276	274	197	187
XKP904E			554	190	276	274	197	187
XKP1104E			554	190	276	274	197	187
XKP1604E			584	190	276	274	197	187
XKP2204E			584	190	276	274	197	187

Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XKP554E	10.4	585	220	290	816
XKP804E	11.1	585	220	290	816
XKP904E	12.1	585	220	290	816
XKP1104E	12.8	585	220	290	816
XKP1604E	16.1	615	230	290	744
XKP2204E	17.7	615	230	290	744

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
- Medium temperture: 5 - 50℃
- Environmental temperture: ≤40℃
- 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

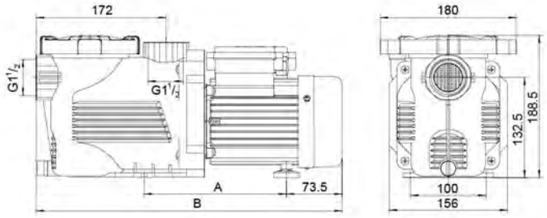
Identification Codes

XKP 25 6

- Product Style
- Power (X 10 W)
- Pool Pump

Technical Data

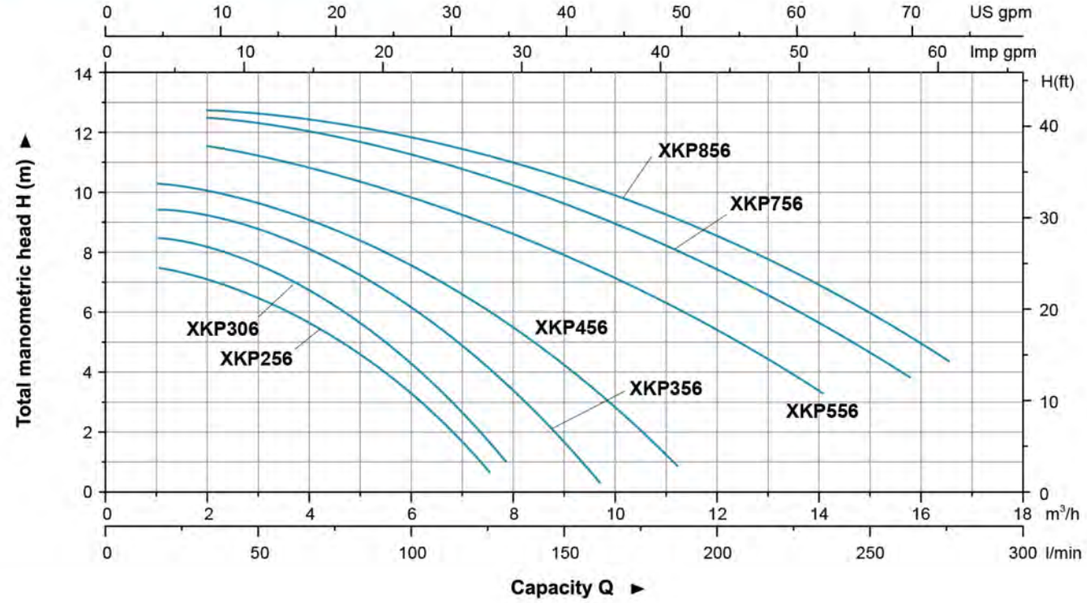
MODEL	POWER(P_1) W	Q(m^3/h) Q(l/min)	0 0	3 50	6 100	9 150	12 200	15 250
XKP256	250	H (m)	7.5	6.3	2.9	-	-	-
XKP306	300		8.5	7.3	4.2	-	-	-
XKP356	350		9.5	8.2	6.2	1.5	-	-
XKP456	450		10.3	9.2	7.2	4.1	-	-
XKP556	550		12	11	9.9	8	5.5	-
XKP756	750		12.5	12.3	11.3	9.7	7.5	4.8
XKP856	850		12.5	12.4	11.8	10.5	8.5	6



Dimension

MODEL	A	B
XKP256	157.5	374
XKP306	157.5	374
XKP356	157.5	374
XKP456	157.5	374
XKP556	188.5	405
XKP756	188.5	405
XKP856	188.5	405

Hydraulic Performance Curves



Materials Table

No.	Part	Material	No.	Part	Material
1	Pump cover nut		16	Rotor	
2	Pump cover		17	Ball bearing	
3	Sieve		18	Front plate	
4	O-sealing ring		19	Plastic rack	
5	Support foot		20	Bracket washer	
6	Motor stator		21	Mechanical seal	
7	Terminal box ring		22	Impeller	
8	Terminal box		23	Diffuser	
9	Capacitor		24	Diffuser ring	
10	Sealing strip		25	Pump body	
11	Terminal cover		26	Drain plug	
12	Power cable				
13	Fan				
14	Fan cover				
15	Ball bearing				

Package Information

MODEL	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XKP256	5.4	410	170	200	2002
XKP306	5.8	410	170	200	2002
XKP356	6	410	170	200	2002
XKP456	6.1	410	170	200	2002
XKP556	6.4	410	170	200	1859
XKP756	7.1	410	170	200	1859
XKP856	7.4	410	170	200	1859

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
- Medium temperture: 5 - 50℃
- Environmental temperture: ≤40℃
- 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

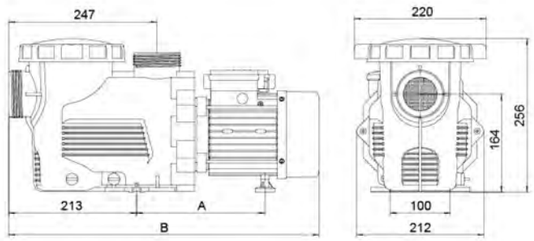
Identification Codes

XKP 16 06

- 06 — Product Style
- 16 — Power (X 100 W)
- XKP — Pool Pump

Technical Data

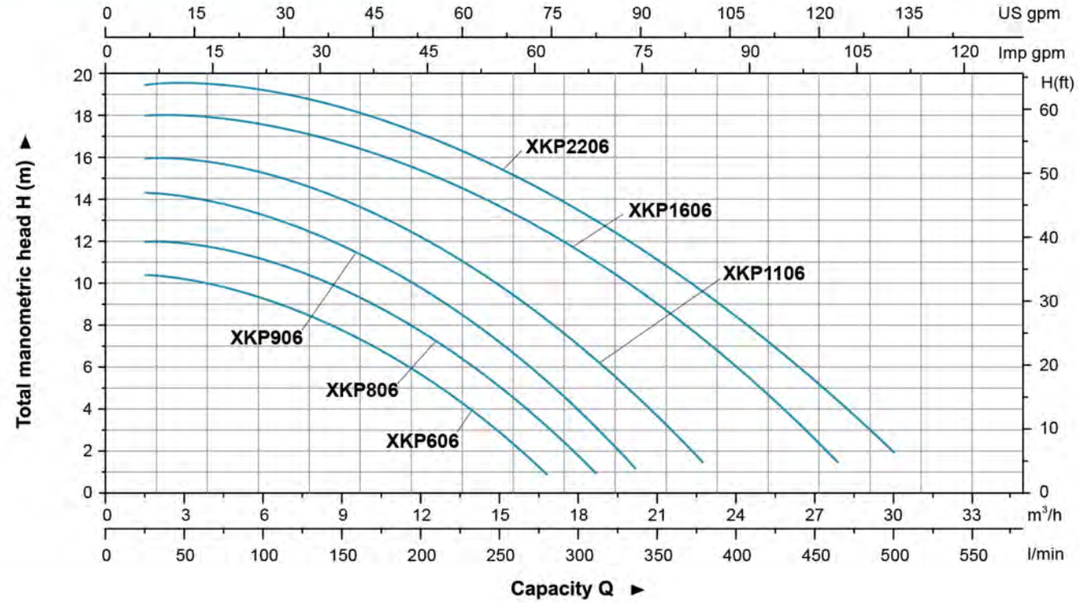
MODEL	POWER(P_1) W	Q(m^3/h) Q(l/min)	0 0	6 100	12 200	18 300	24 400	30 500
XKP606	600	H (m)	10.5	9.4	5.7	-	-	-
XKP806	800		12	11.3	7.7	1.9	-	-
XKP906	900		14.5	13.3	9.7	3.9	-	-
XKP1106	1100		16	15.3	12.3	7.2	-	-
XKP1606	1600		18	17.7	15.6	11.6	6.2	-
XKP2206	2200		19.5	19	17.2	13.6	8.6	2.2



Dimension

MODEL	A	B
XKP606	214	250
XKP806	214	250
XKP906	214	250
XKP1106	214	250
XKP1606	518	548
XKP2206	518	548

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump cover nut	
2	Pump cover	
3	O-sealing ring	
4	Sieve	
5	Water outlet connector	
6	Nut	
7	Support foot	
8	Motor stator	
9	Terminal box	
10	Terminal box ring	
11	Capacitor	
12	Seal washer	
13	Terminal cover	
14	Power cable	
15	End plate	
16	Fan	
17	Fan cover	
18	Plastic rack	
19	Pump support	
20	Ball bearing	
21	Rotor	
22	Mechanical seal	
23	Switch seal washer	
24	Impeller	
25	Diffuser	
26	Switch seal washer	
27	Pump body	
28	Drain plug	

Package Information

MODEL	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XKP606	9.6	575	225	255	900
XKP806	10.4	575	225	255	900
XKP906	11.2	575	225	255	900
XKP1106	12.1	575	225	255	900
XKP1606	15.2	605	225	255	837
XKP2206	16.8	605	225	255	837


Cascade


Water Bell


Cascade


Water Bell

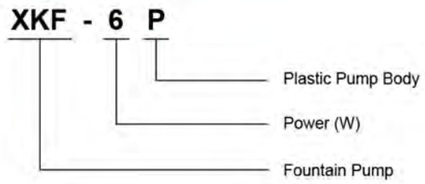
Application

- 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



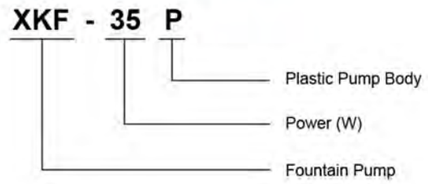
Application

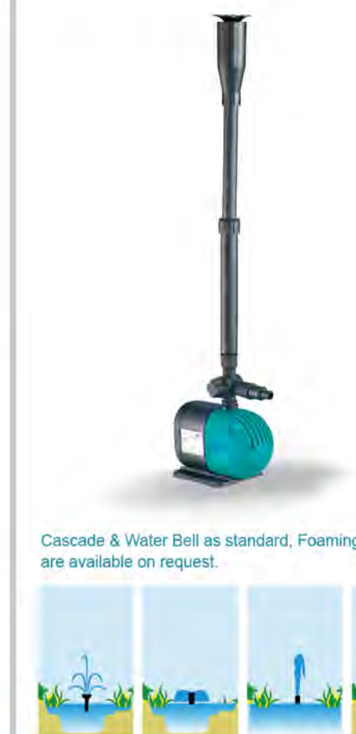
- Filter of the pond water
- Beautiful ornament for the pond
- Oxygen enrichment of the pond water

Features

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

Identification Codes






Cascade


Water Bell


Foaming Jet


Water Lily


Pelunica

Cascade & 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-6P	220V-240V/50Hz	6	0.7	380	13	H05RN-F 10m
XKF-15P	220V-240V/50Hz	15	1.0	850	13	H05RN-F 10m
XKF-20P	220V-240V/50Hz	20	1.1	1100	13	H05RN-F 10m

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

Technical Data

Model	Voltage	Input Power (W)	Max.Head (m)	Max.Flow (L/h)	Outlet (mm)	Cable
XKF-35P	220V-240V/50Hz	35	1.4	1600	19	H05RN-F 10m
XKF-55P	220V-240V/50Hz	55	2.3	2300	19	H05RN-F 10m
XKF-75P	220V-240V/50Hz	75	2.7	2650	19	H05RN-F 10m
XKF-95P	220V-240V/50Hz	95	3.0	3500	19	H05RN-F 10m
XKF-110P	220V-240V/50Hz	110	3.7	3750	19	H05RN-F 10m

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

0.75kw~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: AISI304 , 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℃
- Overload protection
- 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 (impeller, motor can be extracted without disconnecting the pump body from the pipes)

Identification Codes

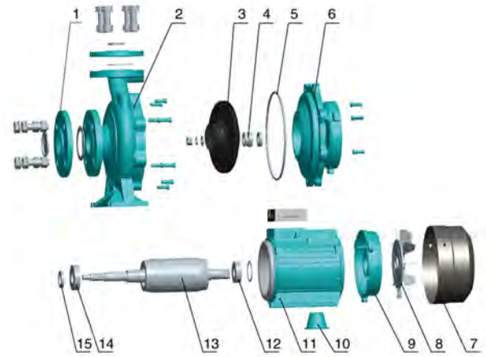
XST m 32 – 125 K / 11

- 11 — Rated Power (1/10 kW)
- K — Extented Model
- 125 — Impeller Nominal Diameter (mm)
- 32 — Outlet Diameter (mm)
- m — Single Phase (m is omitted for three-phase)
- XST — Standard Centrifugal Pump

Materials Table

0.75kw~7.5kw

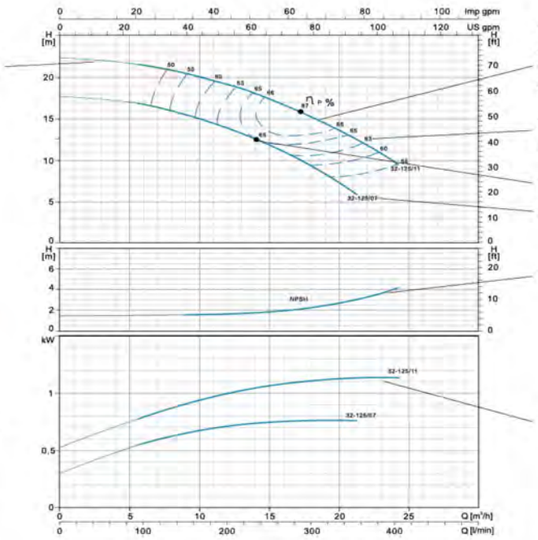
No.	Part	Material
1	Flange	HT200
2	Pump body	HT200
3	Impeller	HT200 , AISI304
4	Mechanical seal	Carbon/Silicon carbide
5	O-ring	NBR
6	Pump support	HT200
7	Fan cover	08F
8	Fan	PP
9	Rear cover	ZL102
10	Support	HT200
11	Stator	
12	Bearing	
13	Rotor	
14	Bearing	
15	Oil seal	



9.2kw~55kw

No.	Part	Material
1	Flange	HT200
2	Pump body	HT200
3	O-ring	NBR
4	Impeller	HT200 , AISI304
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.

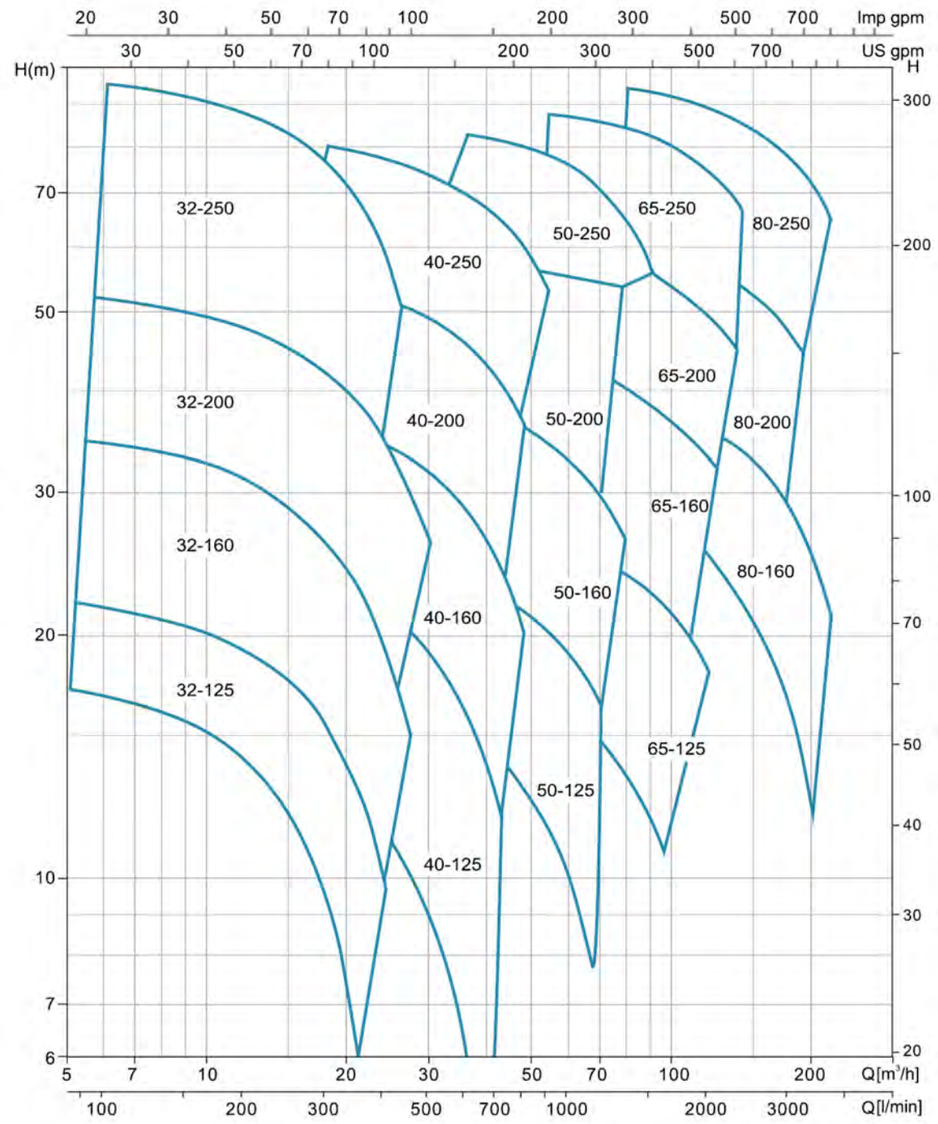
Technical Data

PUMP TYPE	POWER		l/min	Q=DELIVERY																			
	kW	HP	m³/h	0	100	150	250	300	400	450	600	700	800	900	1200	1400	1500	1800	2000	2300	3000	3500
				0	6	9	15	18	24	27	36	42	48	54	72	84	90	108	120	138	180	210
32-125/7*△	0.75	1		17.5	16.7	15	12	9															
32-125/11*△	1.1	1.5		22	21	20.2	17	15	9														
32-160/15*△	1.5	2		24	23.7	22.5	19.5	16.2															
32-160/22*△	2.2	3		31	29.6	29	25.5	22.5	15														
32-160/30*△	3	4		34.5	33.5	33	29	26.5	20	16.5													
32-200/30*	3	4		43.2	42	40.5	35.2	32.2	24.6	19.8													
32-200/40*	4	5.5		52	50.5	50	45	41.9	35	30.3													
32-250/55**	5.5	7.5		79	74.7	71.8	63	56	37.5														
32-250/75**	7.5	10		95	92	89	82	75	57.8														
40-125/11△	1.1	1.5		14.7				13	11.5	10.1													
40-125/15△	1.5	2		18.1				17	15	13.9													
40-125/22△	2.2	3		24.5				23.2	21.5	20.2	16	12											
40-160/30	3	4		31.8				29	27.5	26.3	21.5	17.5											
40-160/40	4	5.5		38				36	34	33	28.5	25	20.1										
40-200/55*	5.5	7.5		44				42	40	38	32	27											
40-200/75*	7.5	10		55				52	49	48	42	37	32										
40-250/92*	11	15		64				59	56.5	55	49.5	45	39.8										
40-250/110*	11	15		72				67.5	65	63.5	57.5	52.2	47										
40-250/150*	15	20		82				79	77.3	76.5	71	66	60.5										
50-125/22△	2.2	3		17							15.4	14	12.8	11.5									
50-125/30	3	4		20							18.8	18	17	15.6									
50-125/40	4	5.5		24							23.1	22.6	21.5	20.3	15.8								
50-160/55	5.5	7.5		32							30.6	30	28	26.6	20.5								
50-160/75	7.5	10	H	40							38	37	36	34.4	29								
50-200/92*	11	15	(m)	50.5							46.8	45	43	40.9	32.5								
50-200/110*	11	15		57.5							53.5	52	50	47.5	40								
50-250/150*	15	20		68.5							64	63	61.5	59	50	41							
50-250/185*	18.5	25		77							73.2	72	70	68	60.5	51.5							
50-250/220*	22	30		86.3							83	81.5	80	78	70	61							
65-125/40	4	5.5		19									17.3	16.8	14.5	13	11.8						
65-125/55	5.5	7.5		23									21.3	20.9	19	17.5	16.7	13.7					
65-125/75	7.5	10		27									26	25.6	24.5	23	22.5	20	18				
65-160/92	11	15		33										31.5	30	28	27.1	24	21.5				
65-160/110	11	15		36										34.5	33	31.5	30.8	28	25.5				
65-160/150	15	20		42										41	40	38.5	37.8	35	33				
65-200/150	15	20		45.5										46	43.5	41	39.2	33					
65-200/185	18.5	25		53										53.5	51.2	48.3	47	41.5					
65-200/220	22	30		59										59.5	57.2	54	53	47	43.5				
65-200K/185	18.5	25		41.2											42	41.2	40.6	38.2	36.5	34			
65-200K/220	22	30		48												48	47.5	46	44	41			
65-200K/300	30	40		59.5												59	58.5	58	56.2	54			
65-250/220	22	30		62										61.5	58.2	56.5	54	49	45				
65-250/300	30	40		76										75	73	70	69	64	61	54			
65-250/370	37	50		90										88	86	84	82	78	74	68			
80-160/110	11	15		27													27.3	26	24.5	22.5	16		
80-160/150	15	20		32.8													32.5	31.3	30.2	28	22.1	16.7	
80-160/185	18.5	25		39													38	36.8	35.7	33.8	28.8	23.5	
80-200/220	22	30		48													47.5	46	43.5	41	32.5		
80-200/300	30	40		60													59.5	58	57	54.5	47		
80-250/370	37	50		71.5													70.5	67.5	65.5	61.5	49.5	38	
80-250/450	45	60		82													80.5	78.5	76.5	72	62	51	
80-250/550	55	75		95													93.5	91.2	89.8	86.8	77.6	68.3	

* =AISI304 impeller ** =Double AISI304 impeller
Models marked with " △ " have both single phase and three phase type, other models only have three phase type

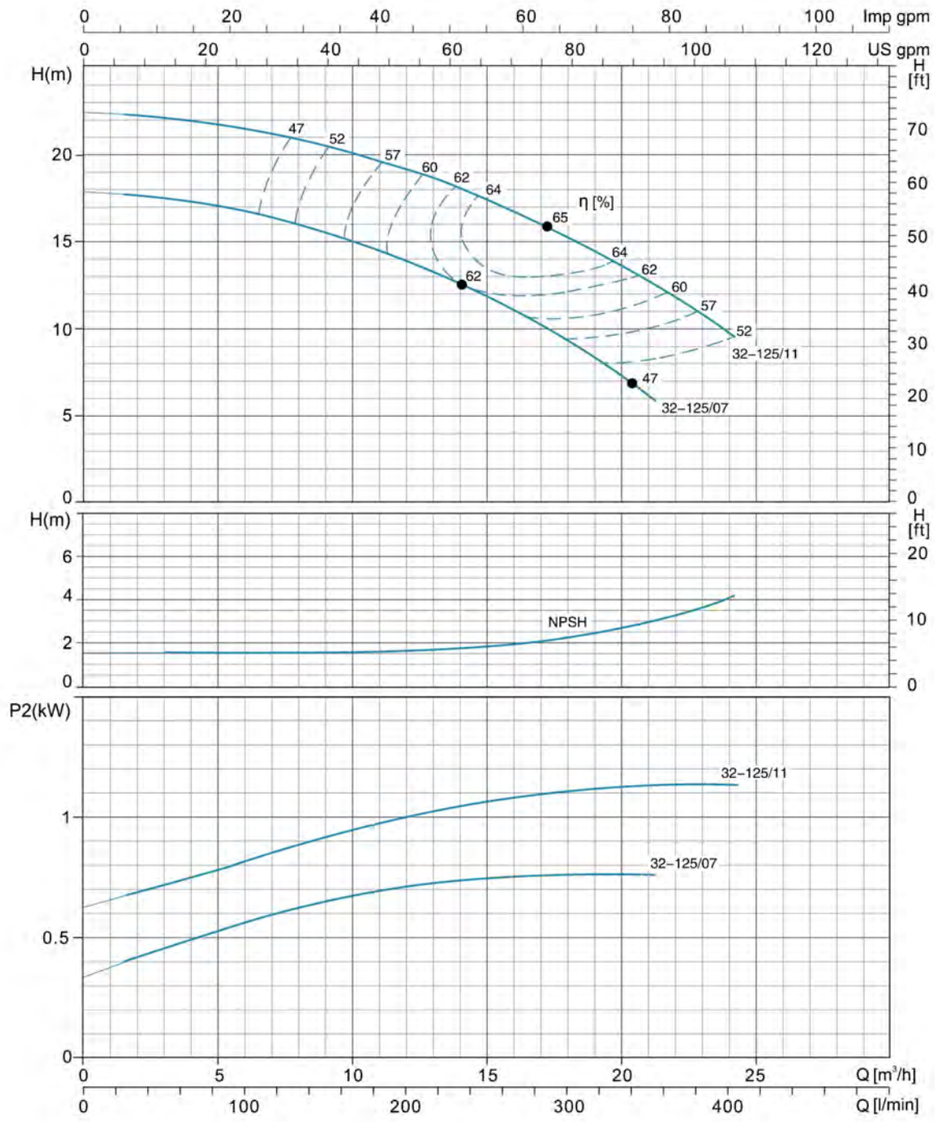
Characteristic Curves

XST	~2900rpm	ISO 9906 Annex A



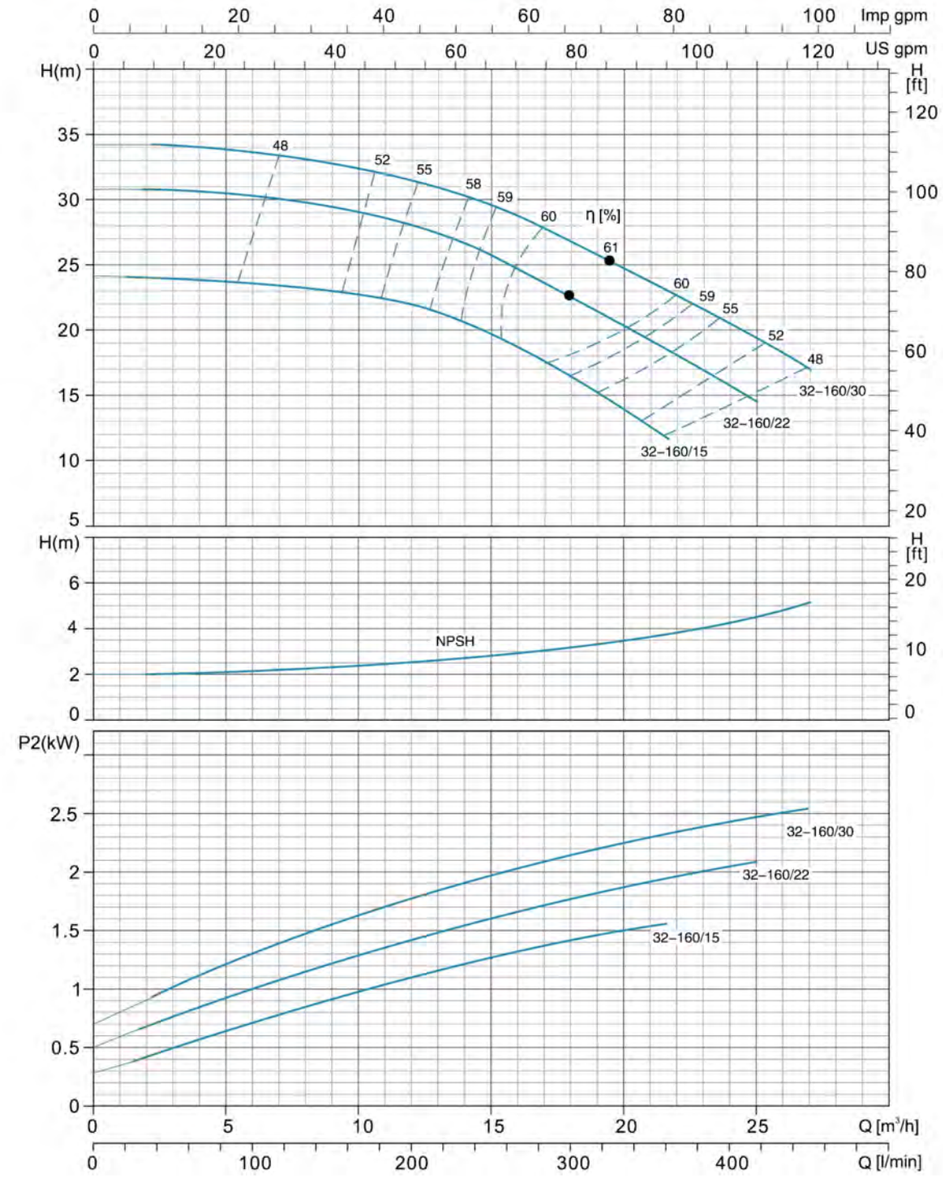
Hydraulic Performance Curves

XST(m)32-125	~2900rpm	ISO 9906 Annex A



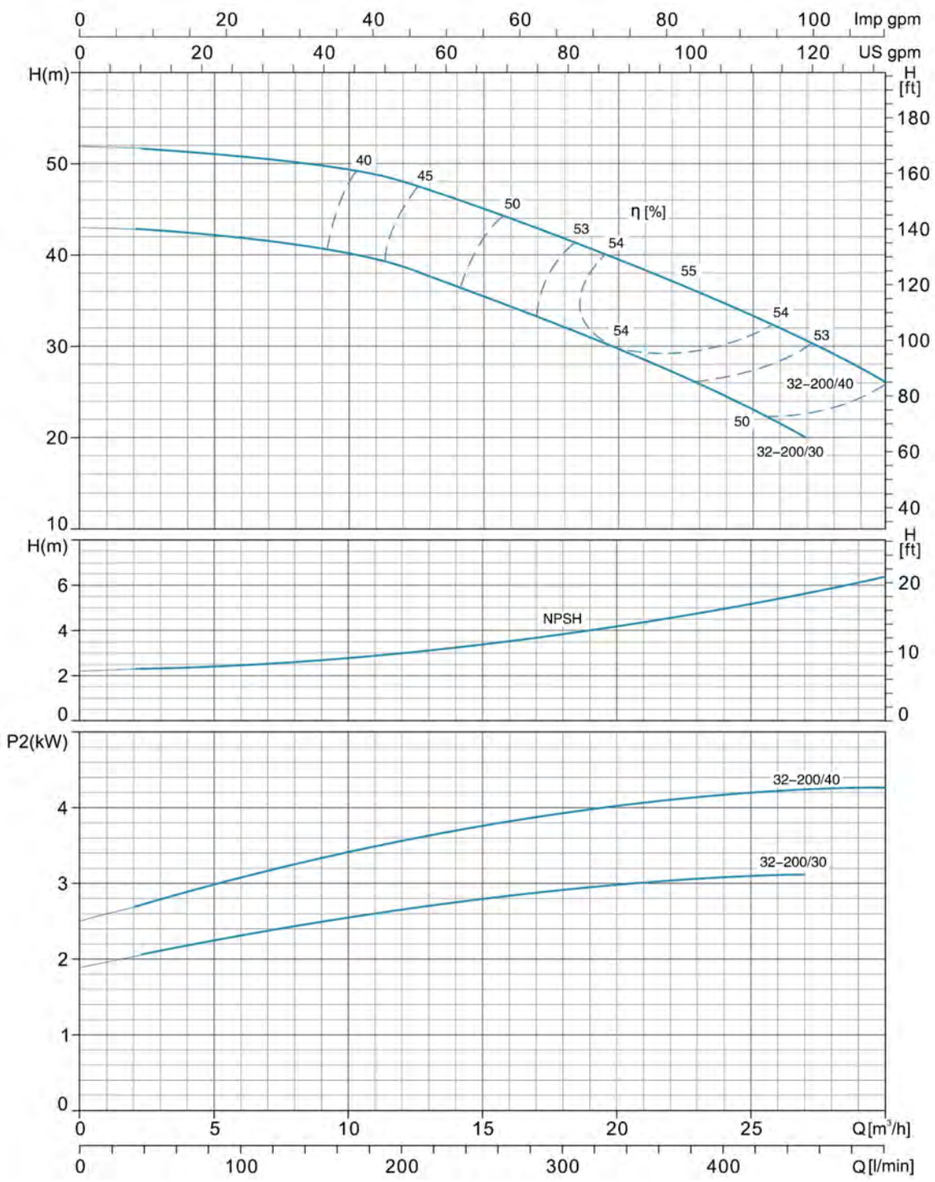
Hydraulic Performance Curves

XST(m)32-160	~2900rpm	ISO 9906 Annex A



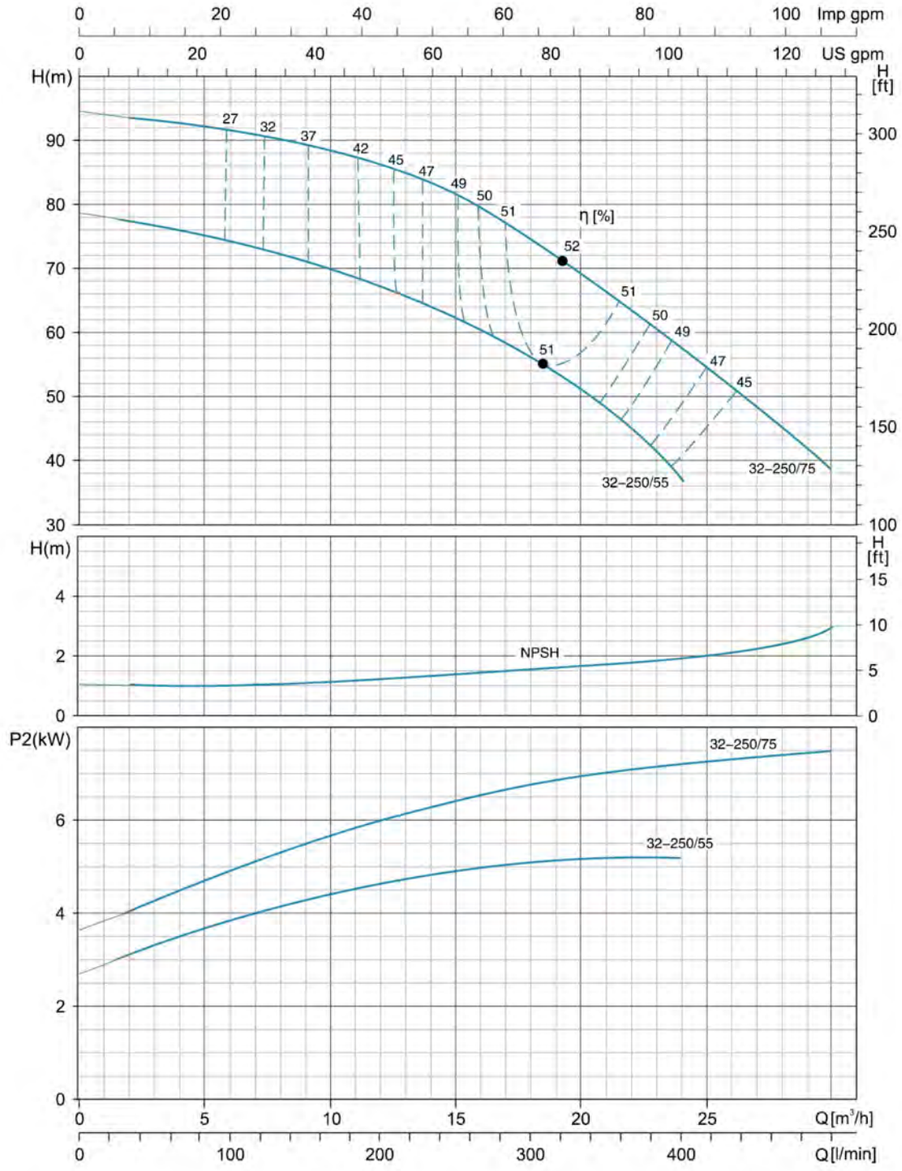
Hydraulic Performance Curves

XST32-200	~2900rpm	ISO 9906 Annex A



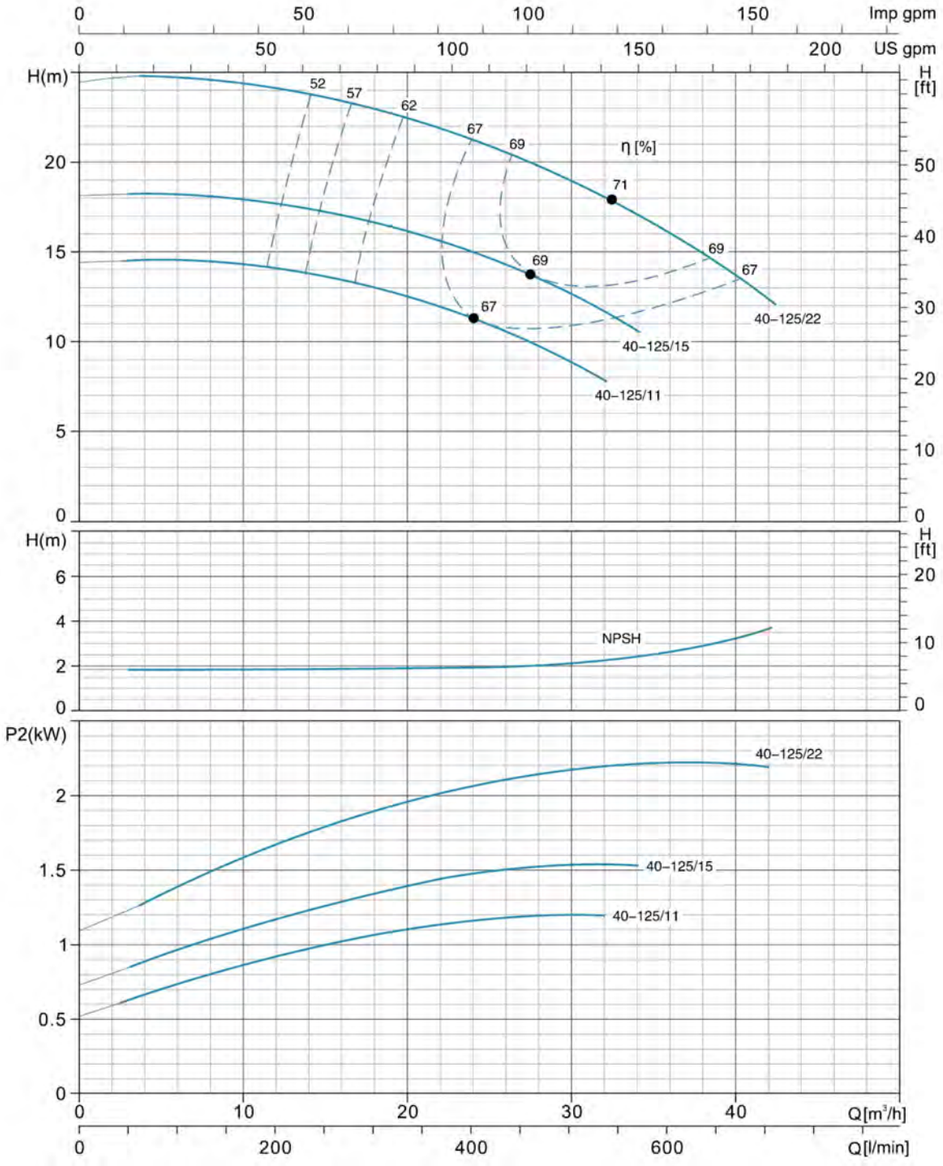
Hydraulic Performance Curves

XST32-250	~2900rpm	ISO 9906 Annex A



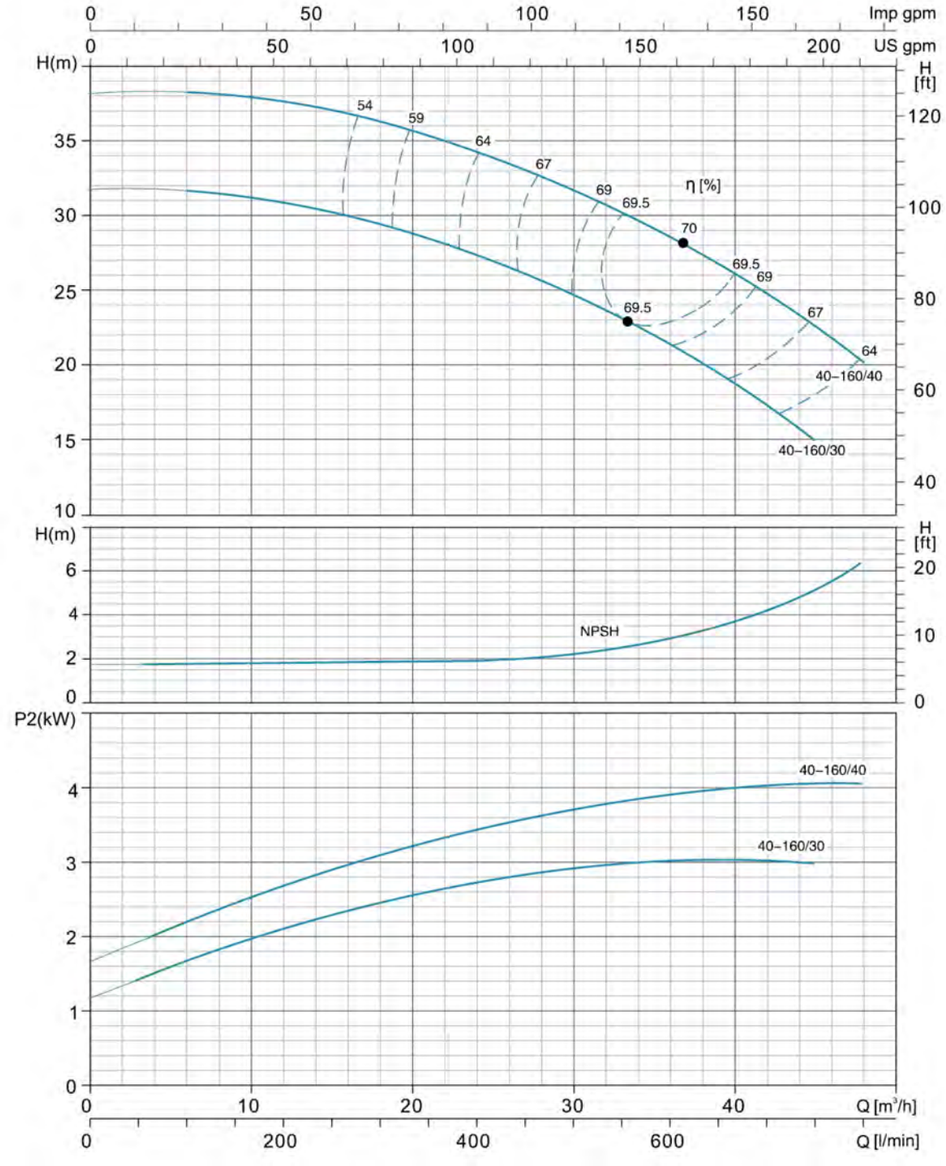
Hydraulic Performance Curves

XST(m)40-125	~2900rpm	ISO 9906 Annex A



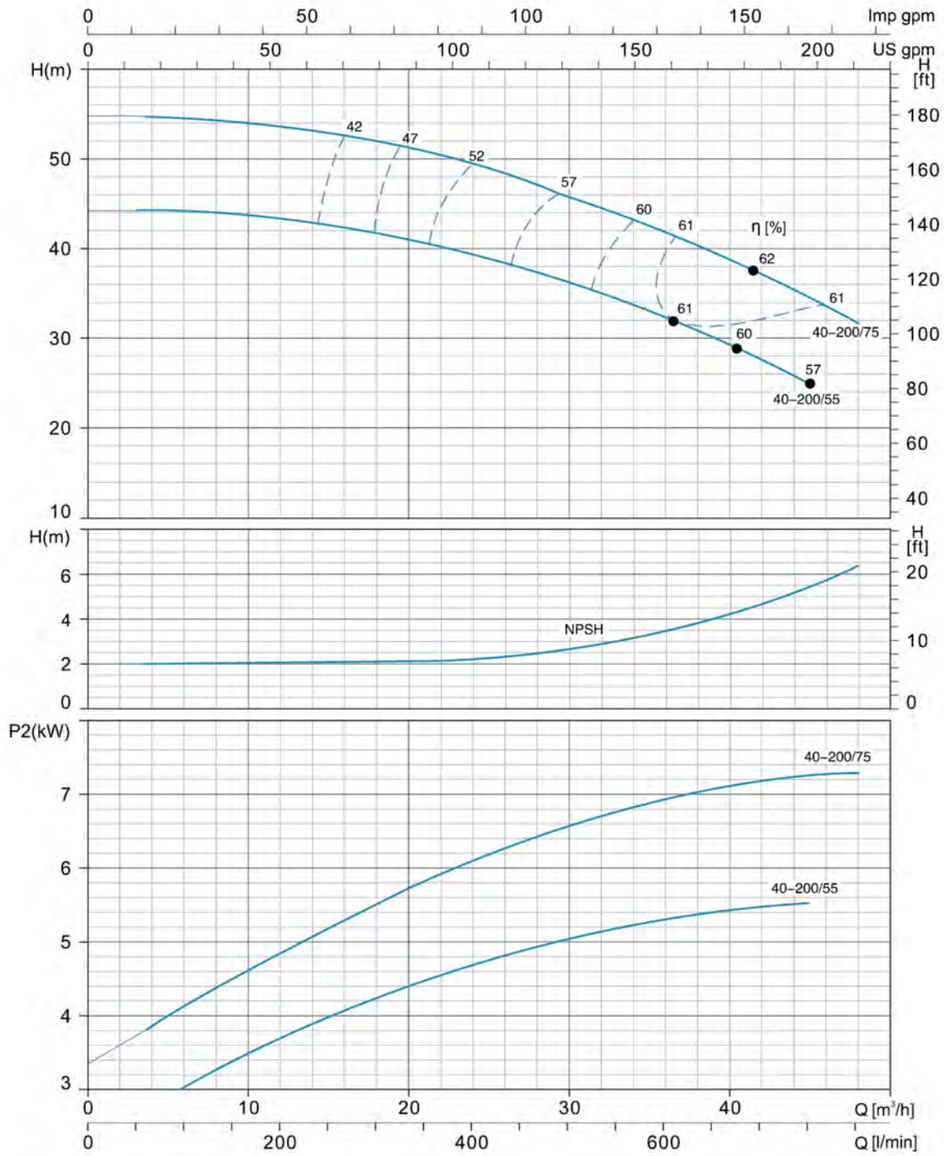
Hydraulic Performance Curves

XST40-160	~2900rpm	ISO 9906 Annex A



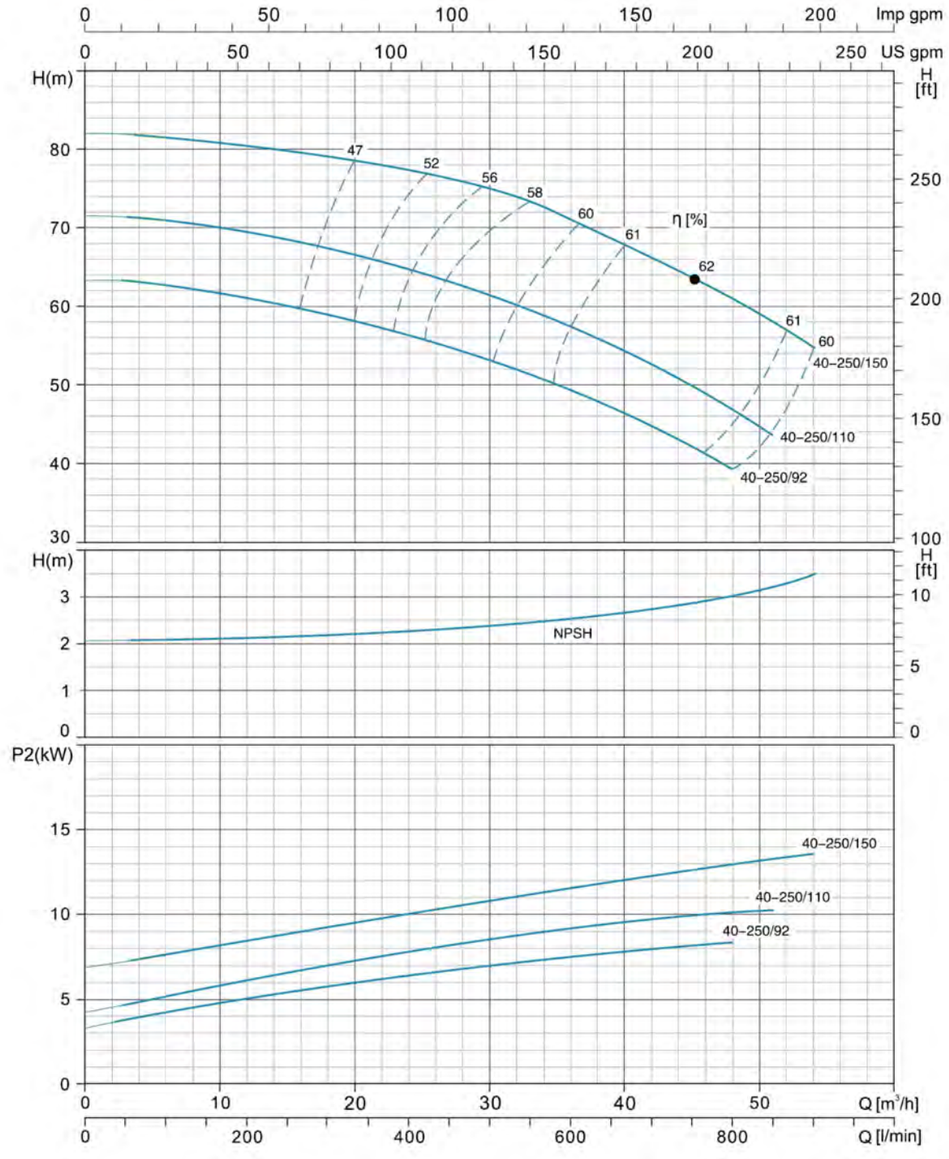
Hydraulic Performance Curves

XST40-200	~2900rpm	ISO 9906 Annex A



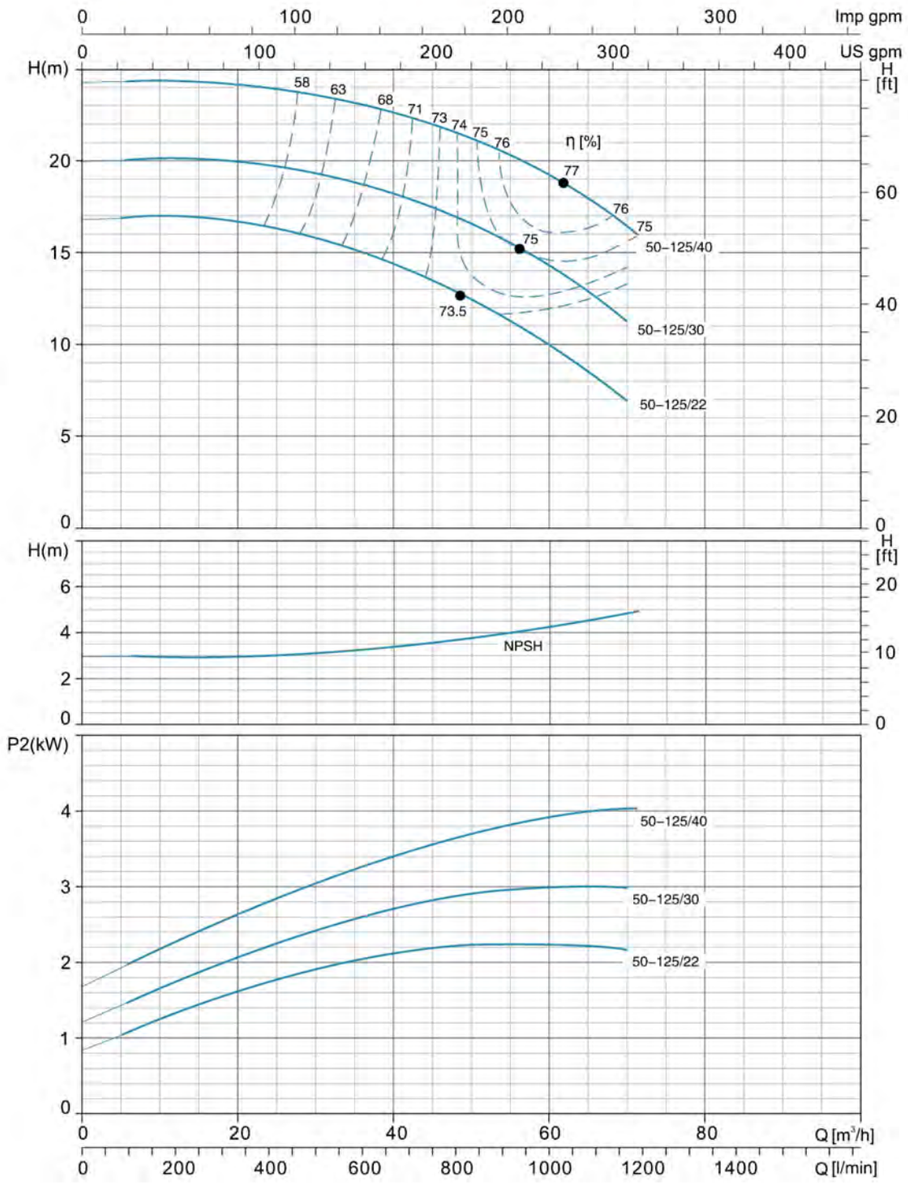
Hydraulic Performance Curves

XST40–250	~2900rpm	ISO 9906 Annex A



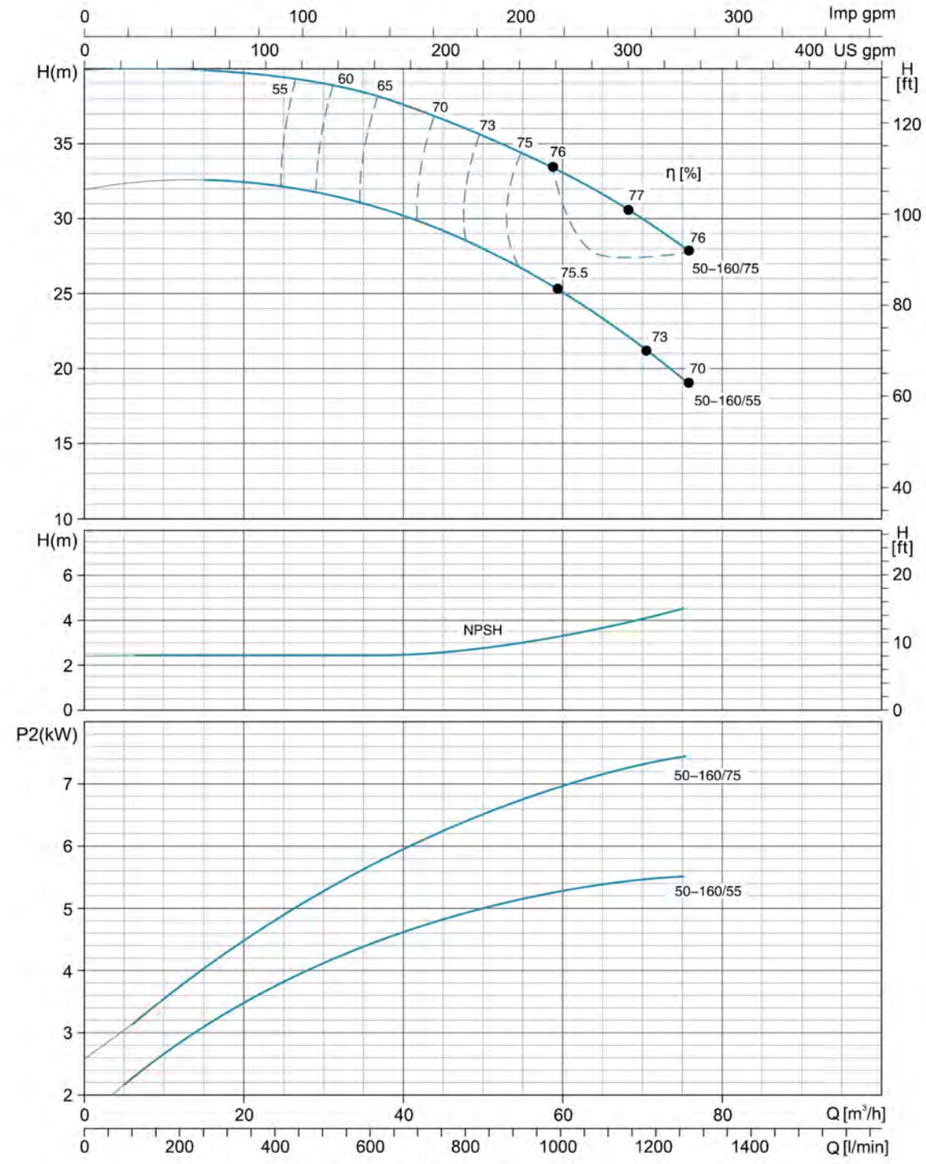
Hydraulic Performance Curves

XST(m)50-125	~2900rpm	ISO 9906 Annex A



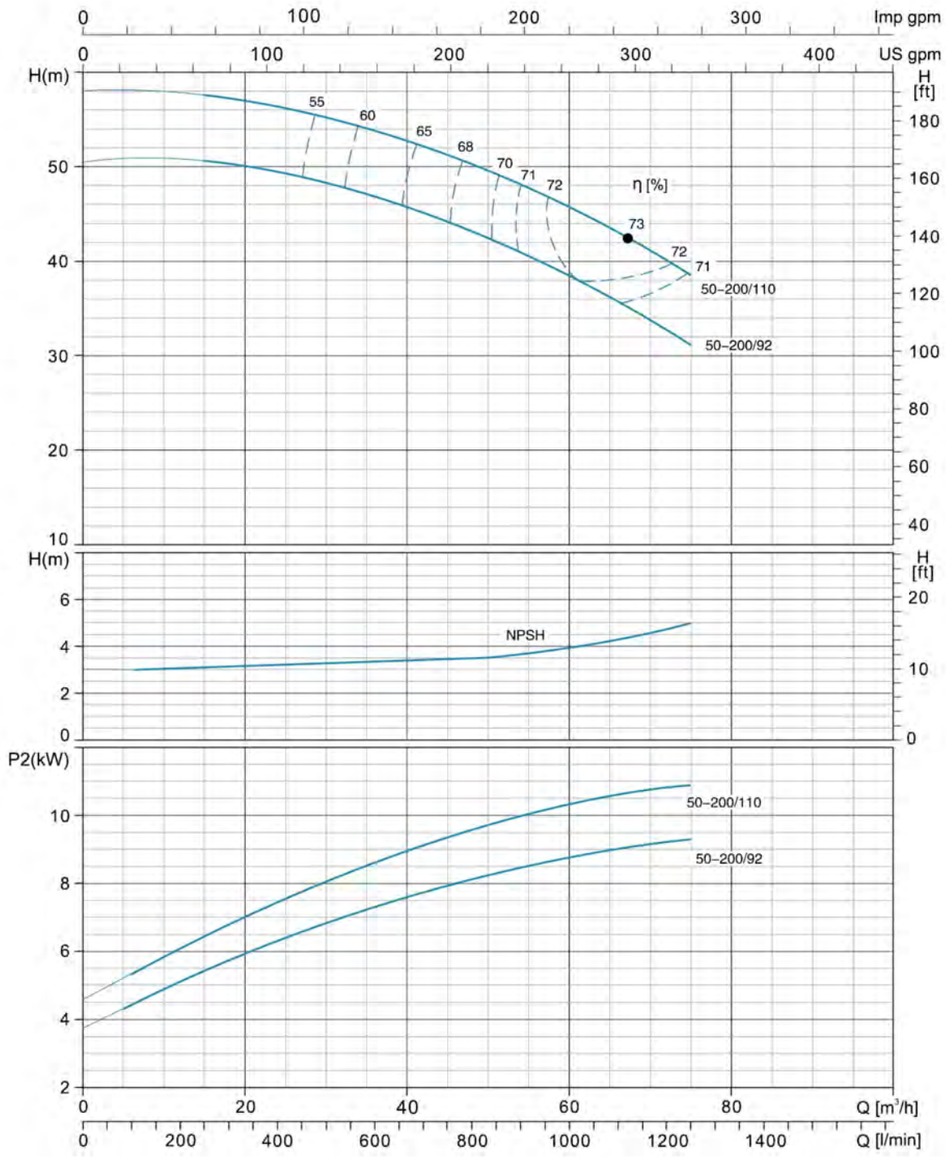
Hydraulic Performance Curves

XST50-160	~2900rpm	ISO 9906 Annex A



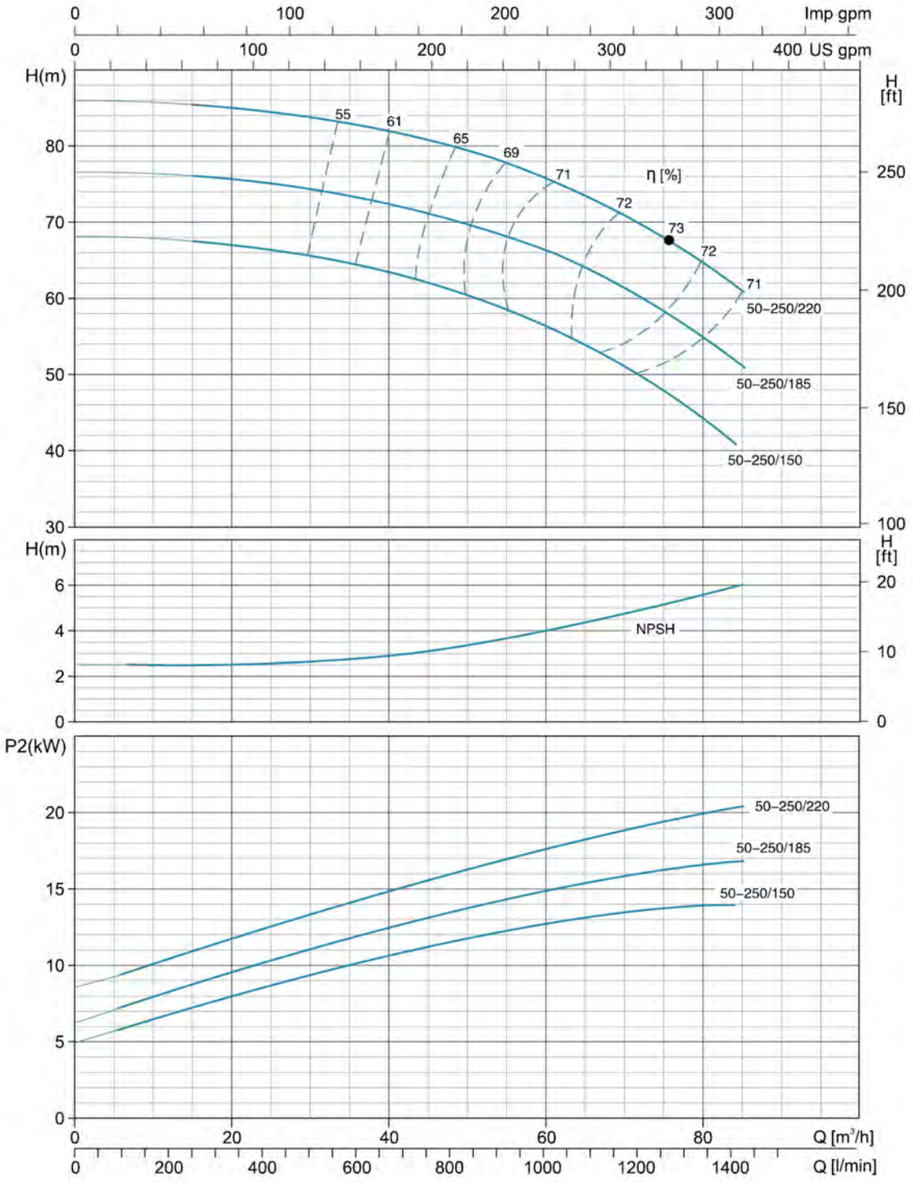
Hydraulic Performance Curves

XST50-200	~2900rpm	ISO 9906 Annex A



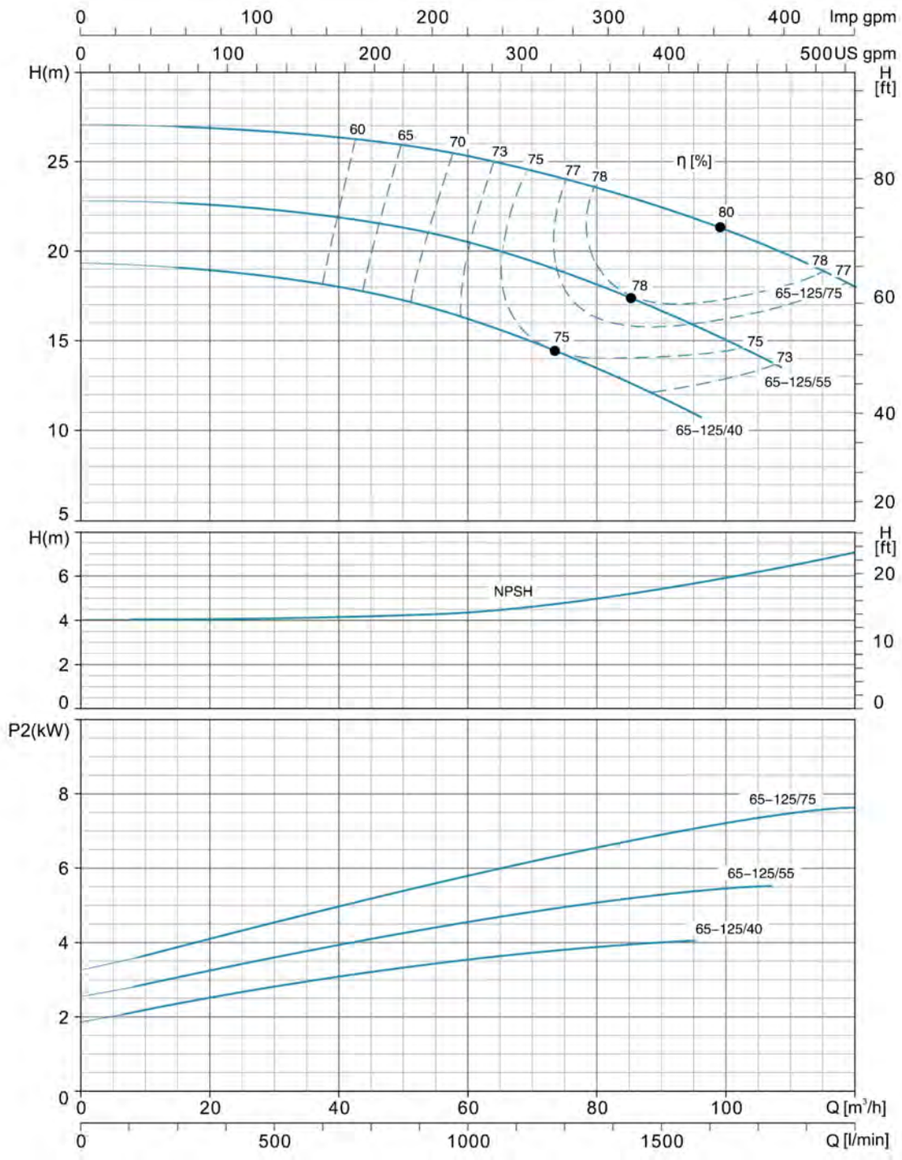
Hydraulic Performance Curves

XST50-250	~2900rpm	ISO 9906 Annex A



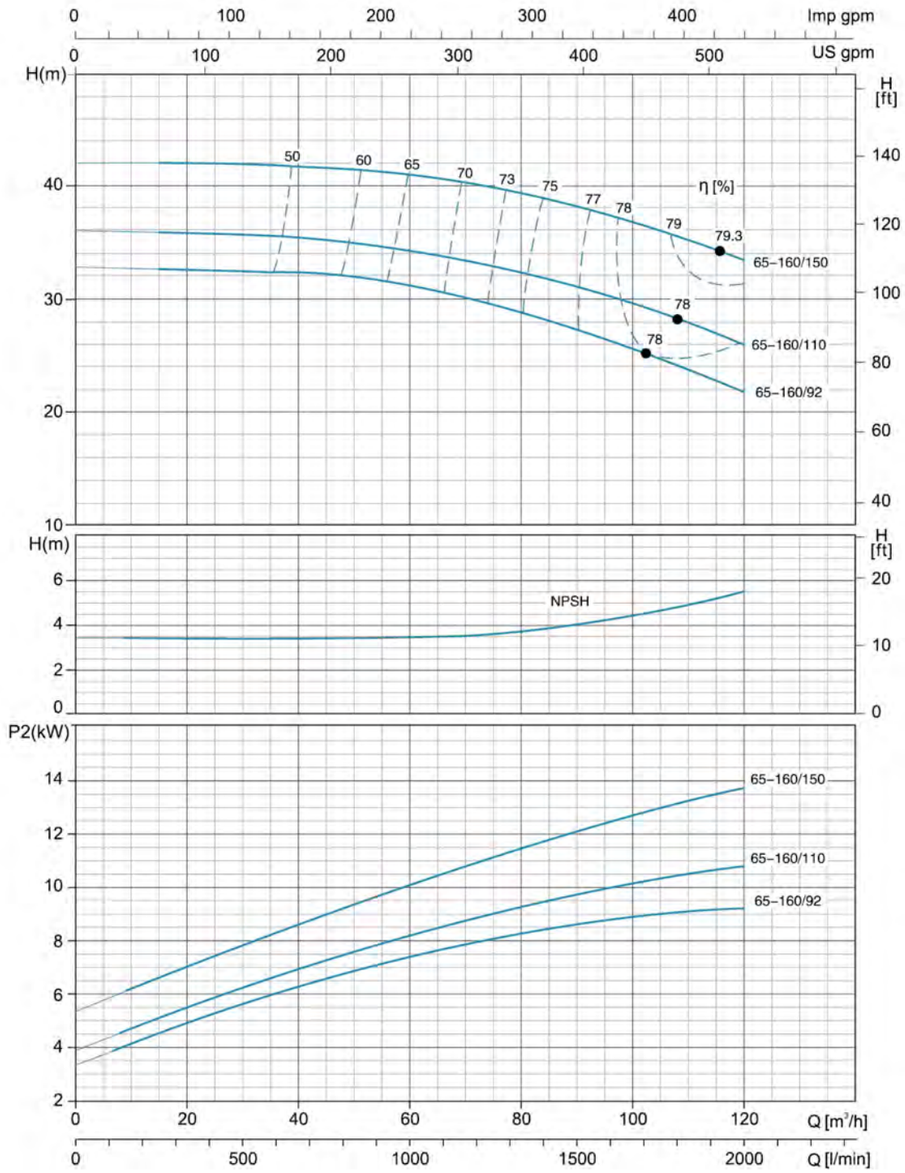
Hydraulic Performance Curves

XST65-125	~2900rpm	ISO 9906 Annex A



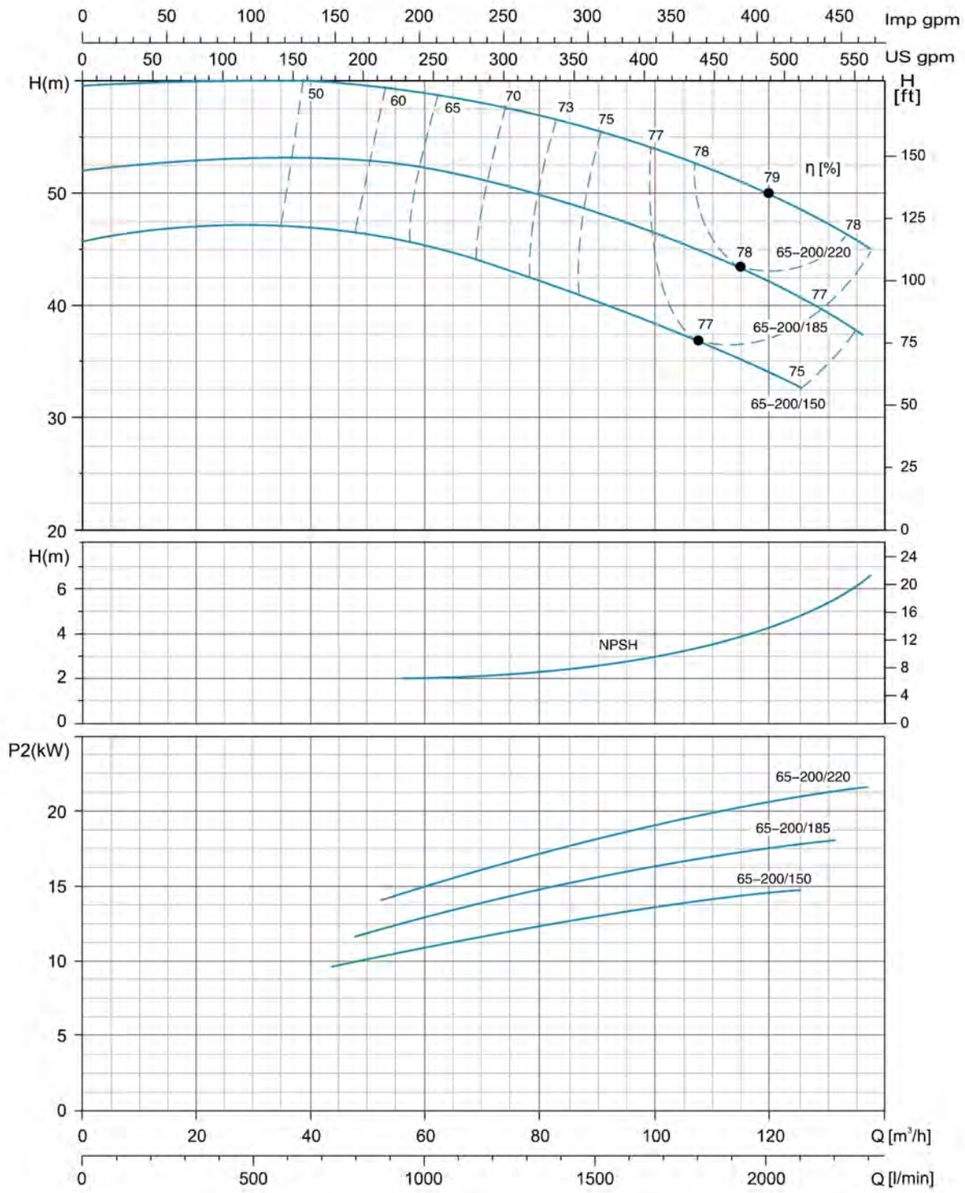
Hydraulic Performance Curves

XST65-160	~2900rpm	ISO 9906 Annex A



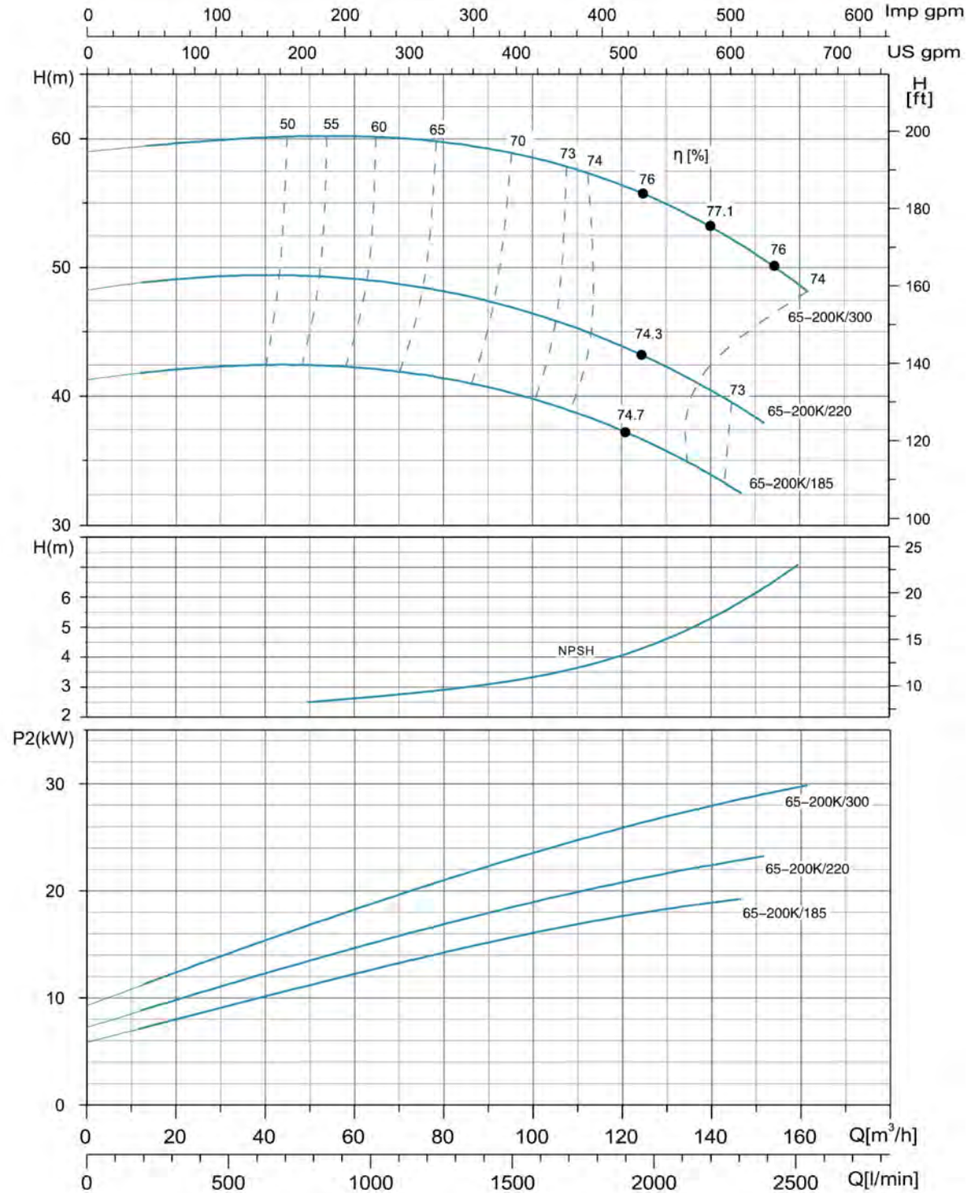
Hydraulic Performance Curves

XST65-200	~2900rpm	ISO 9906 Annex A



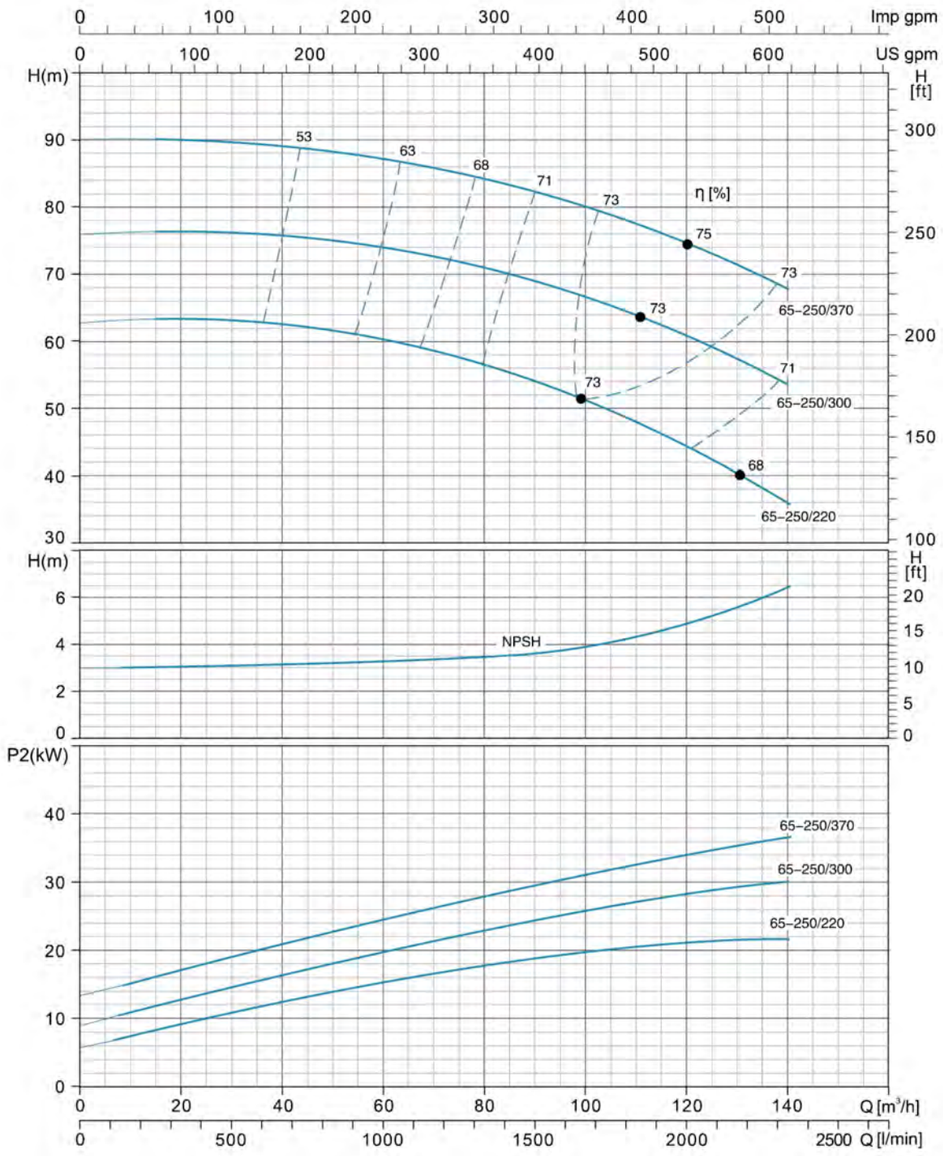
Hydraulic Performance Curves

XST65-200K	~2900rpm	ISO 9906 Annex A



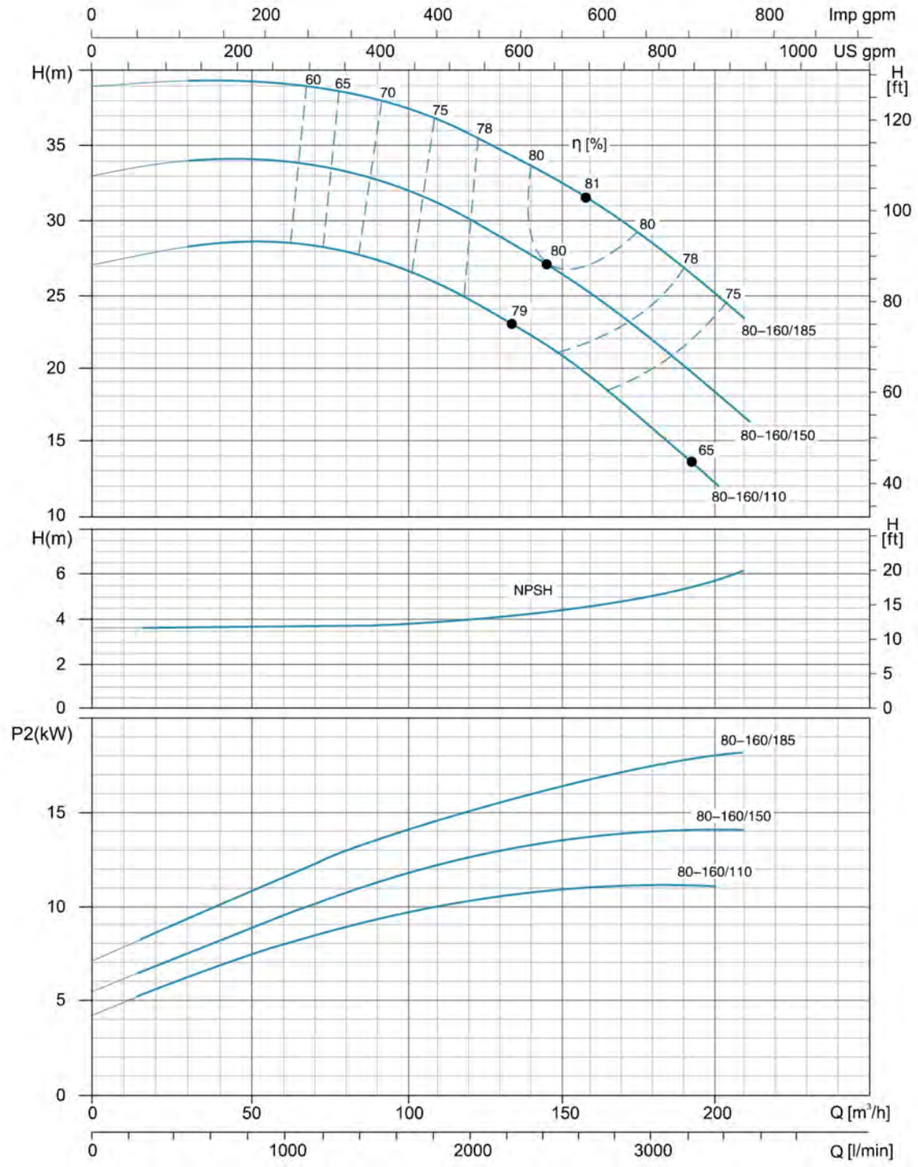
Hydraulic Performance Curves

XST65-250	~2900rpm	ISO 9906 Annex A



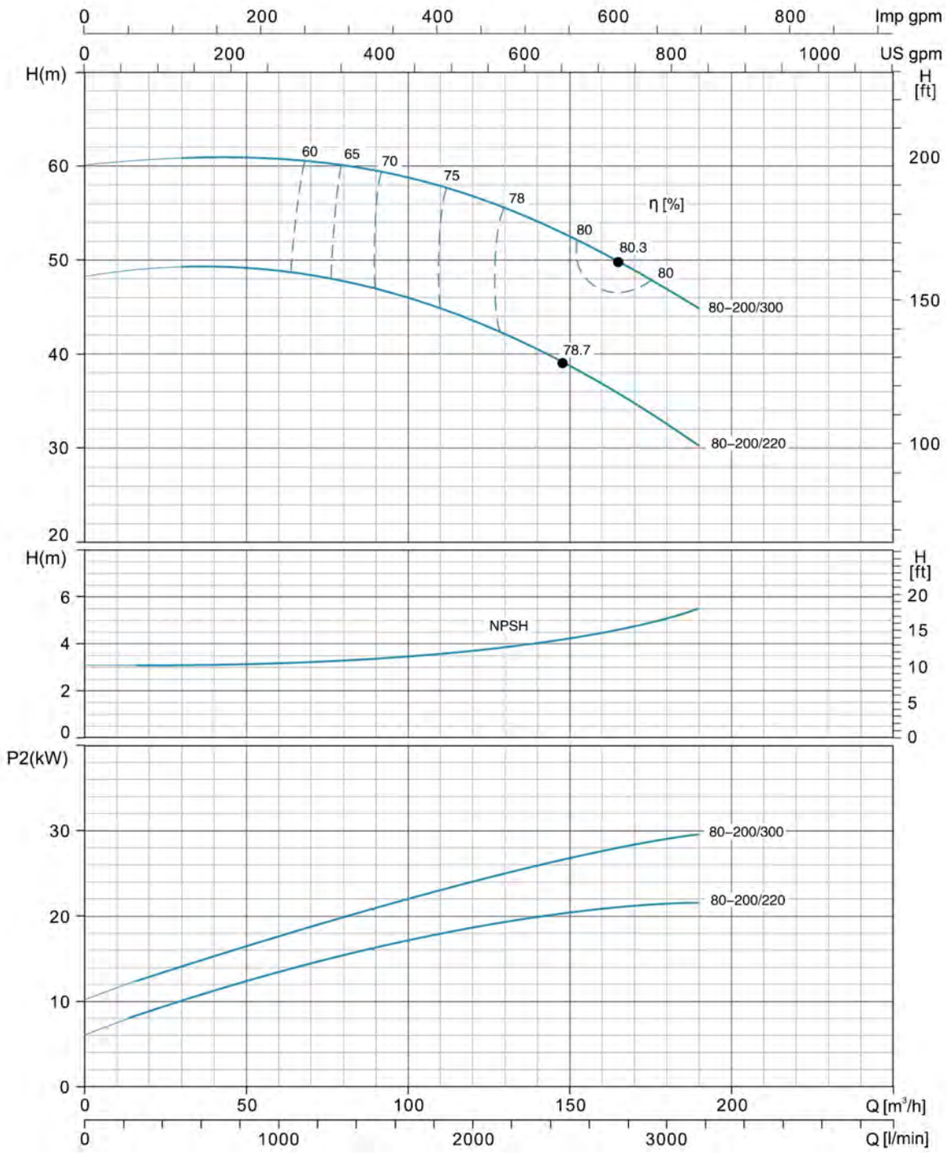
Hydraulic Performance Curves

XST80-160	~2900rpm	ISO 9906 Annex A



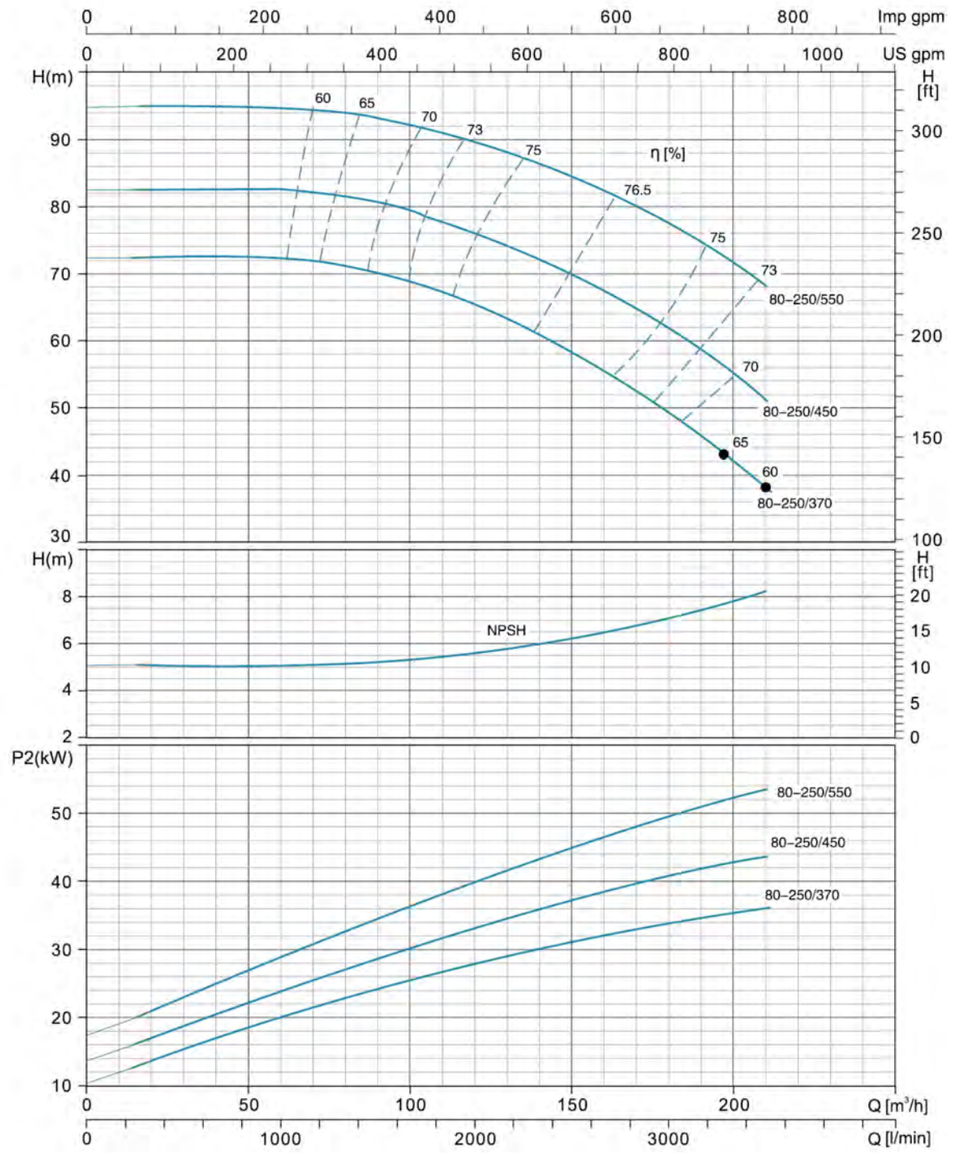
Hydraulic Performance Curves

XST80-200	~2900rpm	ISO 9906 Annex A

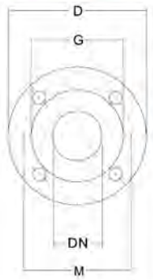


Hydraulic Performance Curves

XST80-250	~2900rpm	ISO 9906 Annex A

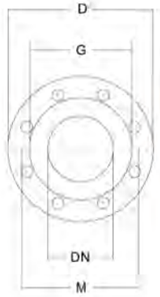


LEO Flange Dimensions



PN16 FLANGES

DN	D	M	G	HOLES N°	HOLES Ø	MAX. THICKNESS
32	140	100	78	4	18	18
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 Ø	MAX. THICKNESS
80	200	160	138	8	18	22
100	220	180	158	8	18	22

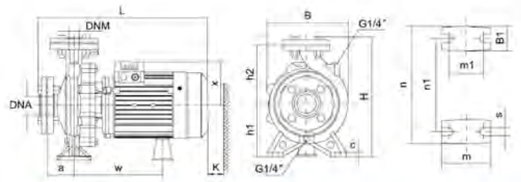
Bearing

Model	Bearing Number
XSTm32-125/7	6304+6204
XST32-125/7	6304+6204
XSTm32-125/11	6304+6204
XST32-125/11	6304+6204
XSTm40-125/11	6205+6205
XST40-125/11	6205+6205
XSTm32-160/15	6205+6204
XST32-160/15	6205+6204
XSTm40-125/15	6205+6205
XST40-125/15	6205+6205
XSTm32-160/22	6205+6205
XST32-160/22	6205+6204
XSTm40-125/22	6305+6205
XSTm50-125/22	6305+6205
XST40-125/22	6305+6205
XST50-125/22	6206+6205
XSTm32-160/30	6205+6205
XST32-160/30	6205+6205
XST32-200/30	6206+6205
XST40-160/30	6206+6205
XST50-125/30	6206+6205
XST32-200/40	6206+6205
XST40-160/40	6206+6205
XST50-125/40	6206+6205
XST65-125/40	6306+6206
XST32-250/55	6306+6206
XST40-200/55	6306+6206
XST50-160/55	6306+6206
XST65-125/55	6306+6206
XST32-250/75	6306+6206

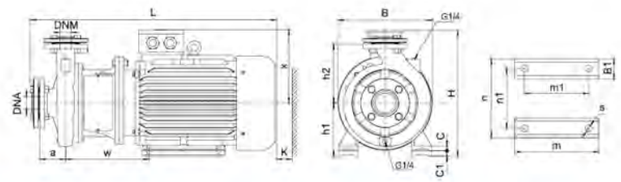
Model	Bearing Number
XST40-200/75	6306+6206
XST50-160/75	6306+6206
XST65-125/75	6306+6206
XST40-250/92	6309+6309
XST50-200/92	6309+6309
XST65-160/92	6309+6309
XST40-250/110	6309+6309
XST50-200/110	6309+6309
XST65-160/110	6309+6309
XST80-160/110	6309+6309
XST40-250/150	6309+6309
XST50-250/150	6309+6309
XST65-160/150	6309+6309
XST65-200/150	6309+6309
XST80-160/150	6309+6309
XST50-250/185	6309+6309
XST65-200/185	6309+6309
XST80-160/185	6309+6309
XST65-200K/185	6309+6309
XST50-250/220	6311+6311
XST65-200/220	6311+6311
XST65-250/220	6311+6311
XST80-200/220	6311+6311
XST65-200K/220	6311+6311
XST65-250/300	6312+6312
XST80-200/300	6312+6312
XST65-200K/300	6312+6312
XST65-250/370	6312+6312
XST80-250/370	6312+6312
XST80-250/450	6314+6314
XST80-250/550	6314+6314

Installation Sketch

0.75~7.5kW



9.2~55kW



Model	DNM	DNA	a	w	x	h2	B1	C	C1	h1	m	m1	n	n1	s	B	H	L	K
32-125/7	32	50	80	223	113	140	48	12	-	112	100	70	190	140	15	192	281	427	85
32-125/11					123														
32-160/15				231		160	50	16		132			240	190	14	240	321	430	95
32-160/22					141														
32-160/30				266														496	
32-200/30				258	127	180	48	12		160					15	248	369	490	
32-200/40																			
32-250/55			155	264	180	198	60	15					272	212		308	386	610	60
32-250/75																		640	
40-125/11	40	65	80	255	127	140	45	12		112			210	160		218	282	489	95
40-125/15																			
40-125/22																			
40-160/30				238		168	48			132			240	190		249	330	494	105
40-160/40																			
40-200/55			100	259	180	180	50			160			264	212	15	275	370	553	
40-200/75																		583	
50-125/22	50			262	127	160				132			240	190		243	322	518	
50-125/30																			
50-125/40																			
50-160/55					180	180	52			160			264	212		272	370	556	110
50-160/75																		586	
65-125/40	65	80		265			68	14			125	95	280	212		283	372	564	
65-125/55																			
65-125/75																		594	
40-250/92	40	65	100	310	260	225	65	20	20	180	260	210	320	254	14.5	350	440	845	110
40-250/110																			
40-250/150																			
50-200/92	50	65	100	310	260	200	65	20	-	160	260	210	320	254		350	420	845	120
50-200/110																			
50-250/150						225			20	180	304	254					440	895	110
50-250/185																			
50-250/220				323	275		70	25	-		311	241	355	279			455	925	
65-160/92	65	80	100	310	260	200	65	20	-	160	260	210	320	254	14.5	350	420	845	125
65-160/110																			
65-160/150																			
65-200/150									20	180							440	895	
65-200/185											304	254							
65-200/220				323	275	225	70	22	-		311	241	355	279		355	455	925	
65-200K/185				337	260		65	20	20		304	254	320	254			440	920	
65-200K/220				350	275		70	22	-		311	241	355	279			455	950	
65-200K/300				362	305			25			369	305	395	318	18.5		505	1020	
65-250/220				353	275	250		22			311	241	355	279	14.5		455	956	
65-250/300				365	305			25		200	369	305	395	318	18.5	400	505	1026	
65-250/370																			
80-160/110	80	100	125	315	260	225	65	20	-	160	260	210	320	254	14.5	350	420	870	130
80-160/150											304							926	
80-160/185																			
80-200/220				352	275	250	70	22		180	311	241	355	279		355	461	978	
80-200/300				365	305			25		200	369	305	395	318	18.5	400	505	1050	
80-250/370																	508		
80-250/450				381	330	280	75	28		225	404	311	435	356	18.5	450	555	1098	120
80-250/550				433	365		80	30	30	280	450	349	490	406	24	550	646	1192	

Identification Codes

24 V T T S – G1 S

- Stainless Steel Cover (Iron Tank without S)
- Cover Thread
- Stainless Steel Tank (Iron Tank without S)
- Actual Capacity=Nominal Capacity
- Pressure Tank
- Tank Type
  C: Horizontal Tank
  V: Vertical Tank
  S: Vertical Flat Tank
- Nominal Tank Capacity

Tank

Model	Max. Pressure (bar)	Nominal Capacity (L)	Actual Capacity (L)	Membrane	Max. Temp	Connection
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	G3/4"	G1"
Outlet	G3/8"	G1"
Material	Stainless steel wire	Stainless steel wire
Operating Limits	Fluid temperature up to 35℃; Maximum ambient temperature 40℃.	

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℃; Maximum ambient temperature 40℃.	

LEO 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	

LEO

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

Pressure Switch

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 , 3.5-5.6bar
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

MEMO

MEMO