LEO PUMP

- 01 -

- 02 -

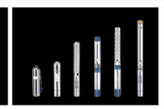
- 03 -

- 04 -

- 05 -

- 06 -

- 07 -


- 08 -

Pumps

- Peripheral Pump
- Jet Pump
- Centrifugal Pump
- Submersible Pump
- Submersible Sewage Pump
- Flexible Shaft Pump
- Domestic Lifting Station
- Pool Pump
- Garden Submersible Pump
- Garden Jet Pump
- Pressure Booster System
- Fountain Pump
- Standard Centrifugal Pump
- Submersible Borehole Pump

www.leogroup.cn

www.leogroup.cn

LEO GROUP PUMP(ZHEJIANG) CO.,LTD.

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

No.1, 3rd Street, East Industry Center, Wenling, Zhejiang, China, 317511

Tel: +86-576-8998 6360 Fax: +86-576-8998 9898 E-mail: export@leogroup.cn www.leogroup.cn

LEO reserves all the right of products modification without prior notification.

2019 V1.1

HISTORY

1995 — Wenling Xinke Pump Research Institute was established

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

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

2009 — Recognized as a National Hi-tech Enterprise

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

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

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

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

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

TO KNOW LEO

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

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

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

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

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

NUMEROUS MEMBERS, ONE FAMILY

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

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

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

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

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

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

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

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

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

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

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

CONTENTS

• Peripheral Pump P 01 - 12

• Self-Priming Peripheral Pump P 13 - 24

• Jet Pump P 25 - 30

• Jet Pump for Deep Wells P 31 - 34

• Centrifugal Pump P 35 - 48

• Multistage Centrifugal Pump P 49 - 52

• Self-Priming Centrifugal Pump P 53 - 54

• Stainless Steel Multistage Centrifugal Pump P 55 - 60

• Stainless Steel Centrifugal Pump P 61 - 64

• Submersible Pump P 65 - 76

CONTENTS

• Stainless Steel Submersible Pump P 77 - 84

• Stainless Steel Submersible Sewage Pump P 85 - 102

• Flexible Shaft Pump P 103 - 104

• Domestic Lifting Station P 105 - 106

• Pool Pump P 107 - 110

• Fountain Pump P 135 - 136

• Standard Centrifugal Pump P 137 - 162

• Accessories P 163 - 168

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

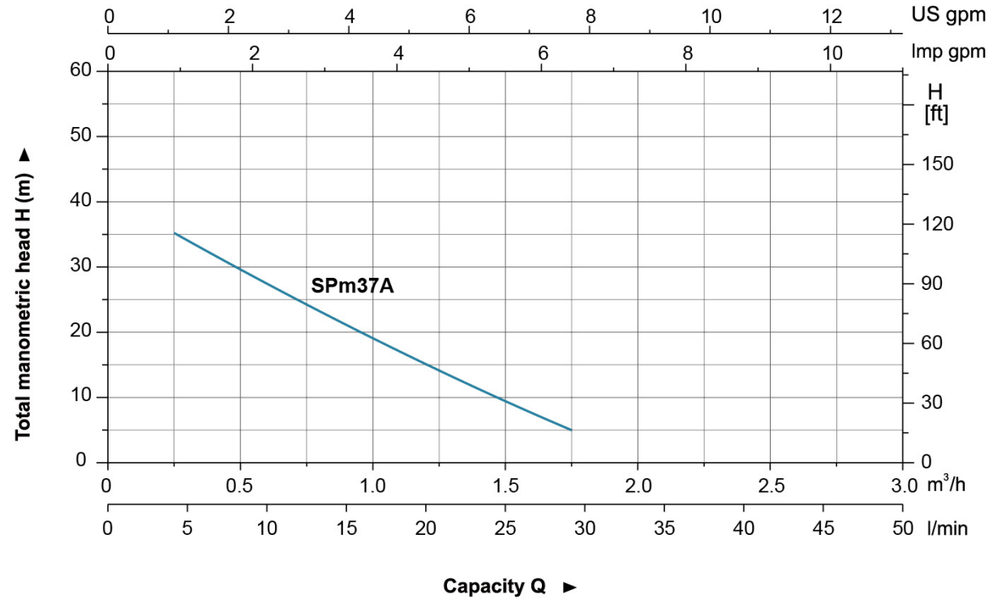
- Motor with copper winding
- Insulation class: F
- Protection class: IPX8

Identification Codes

S P m 37 A

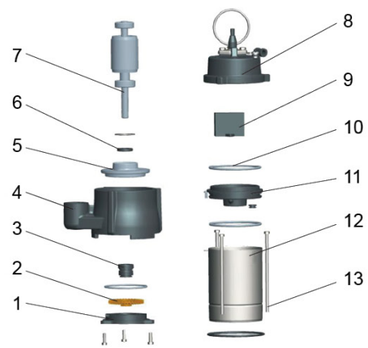
- A — Automatic Operation With Float Switch
- 37 — Power (X10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- P — Peripheral Pump
- S — Submersible Type

Hydraulic Performance Curves



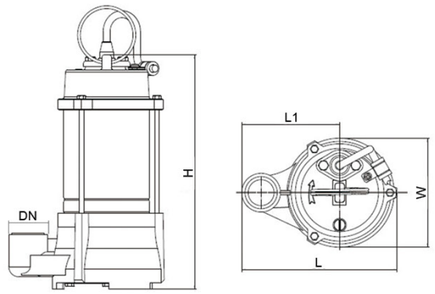
Materials Table

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	



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	-



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

Application

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

Pump

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

Motor

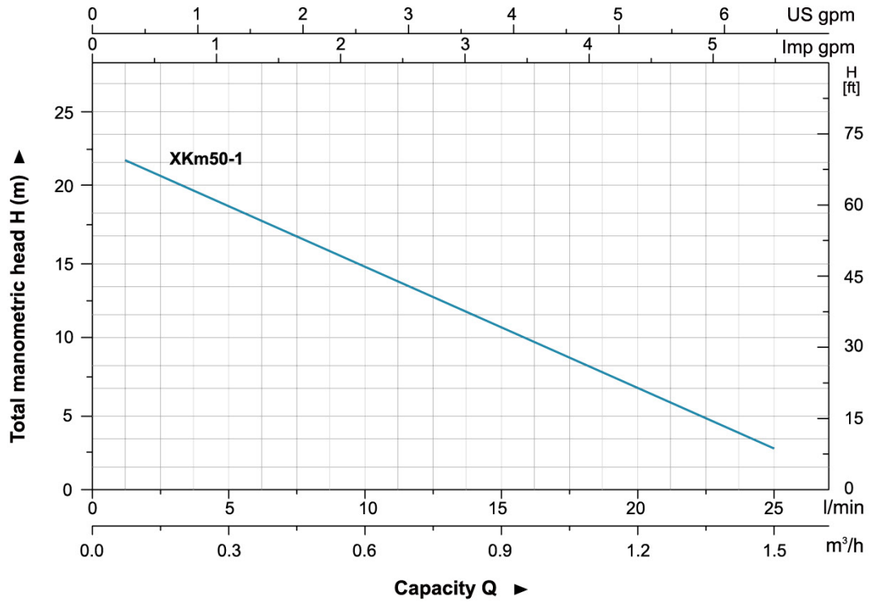
- C&U bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

Identification Codes

XK m 50 - 1

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

Hydraulic Performance Curves

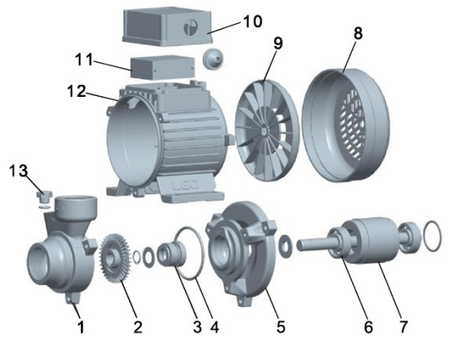


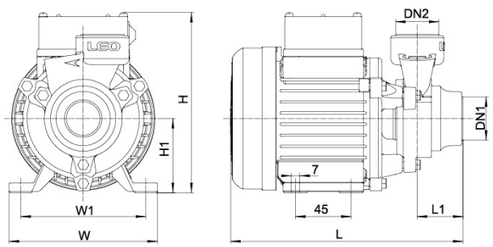
Technical Data

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

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

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

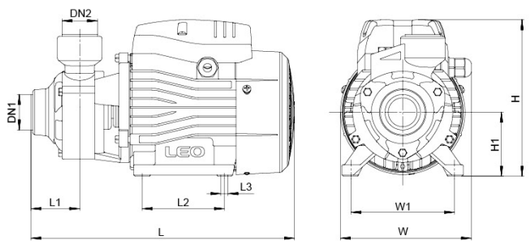
Identification Codes

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

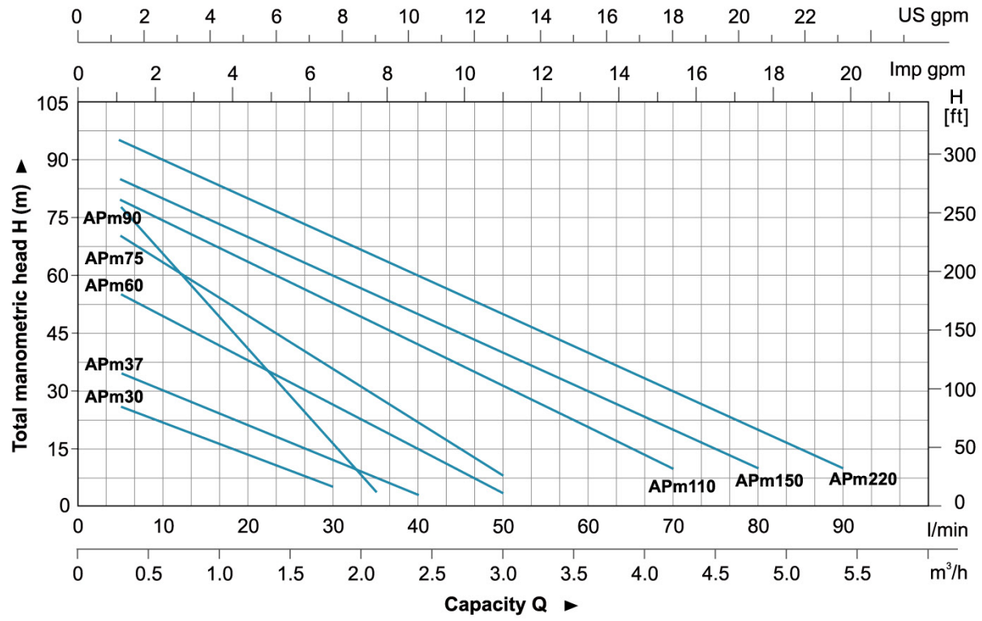
MODEL		POWER		Q (m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3.0	3.6	4.2	4.8	5.4
Single Phase	Three Phase	kW	HP	Q (l/min)	0	5	10	15	20	25	30	35	40	50	60	70	80	90
APm30	——	0.3	0.4	H (m)	30	26	20	15	12	8	5	-	-	-	-	-	-	-
APm37	——	0.37	0.5		40	35	30	25	20	15	10	5	-	-	-	-	-	-
APm60	——	0.6	0.8		60	55	50	40	35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

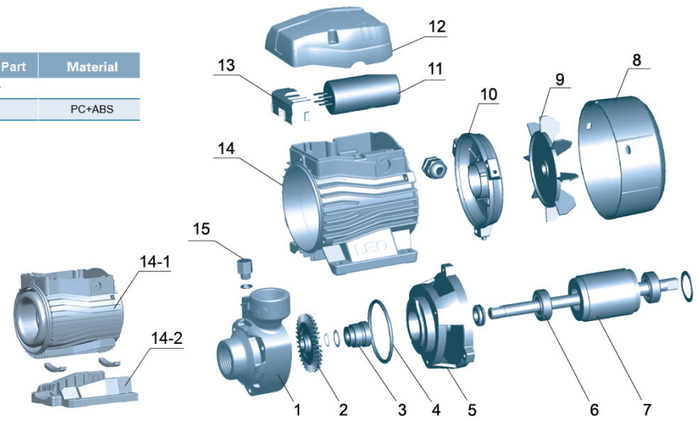
Hydraulic Performance Curves



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

Application

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

Pump

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

Motor

- C&U bearing
- 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

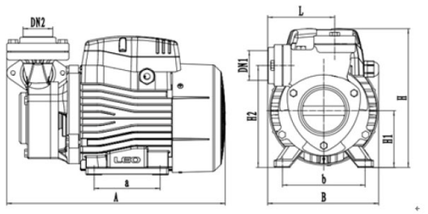
Identification Codes

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

Technical Data

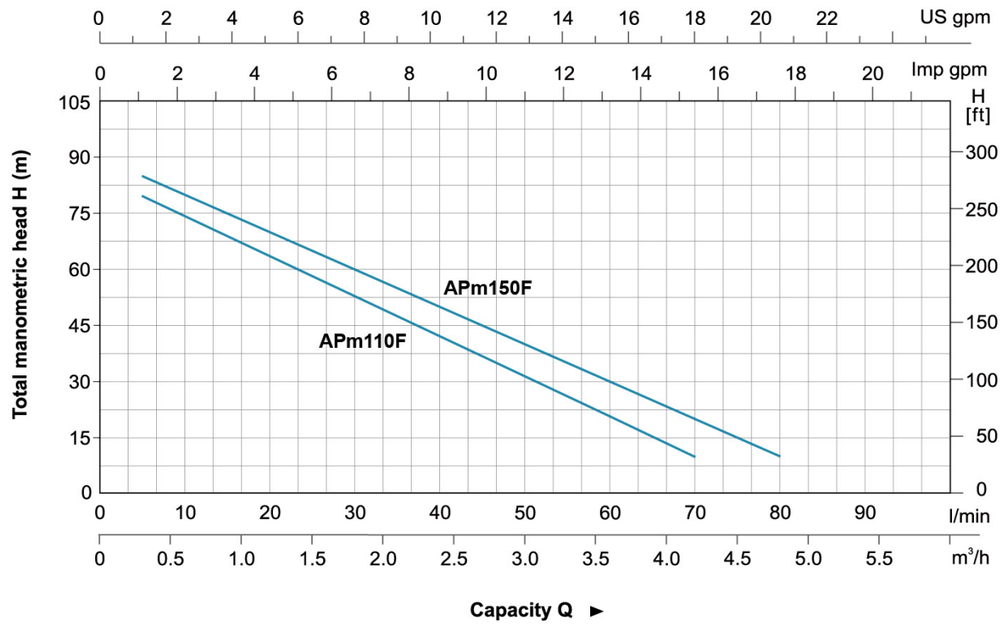
Model		Power		Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3.0	3.6	4.2	4.8
Single Phase	Three Phase	kW	HP	Q(l/min)	0	5	10	15	20	25	30	35	40	50	60	70	80
APm110F	AP110F	1.1	1.5	H(m)	85	80	75	65	60	55	50	45	40	30	18	10	–
APm150F	AP150F	1.5	2.0		90	86	80	75	70	65	60	55	50	40	30	20	10



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

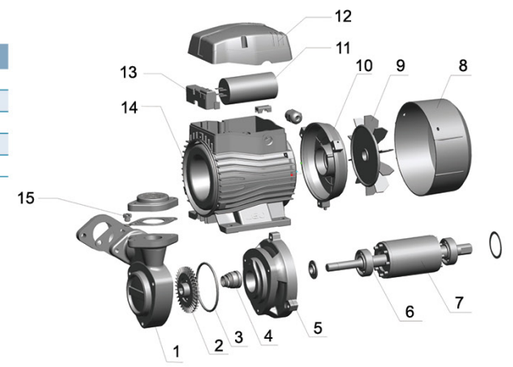
Hydraulic Performance Curves



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

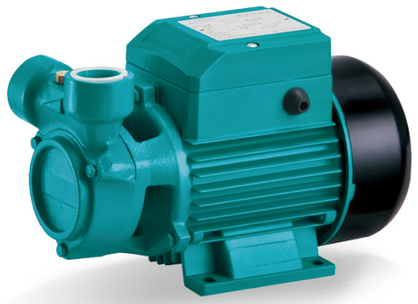
No.	Part	Material
11	Capacitor	
12	Terminal box	ABS
13	Terminal board	PC
14	Stator	
15	Filling plug	HPb59-1



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

XQm
Peripheral Pump



Application

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

Pump

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

Motor

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

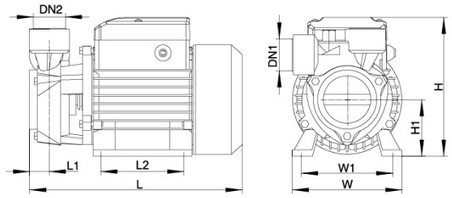
Identification Codes

XQ m 50

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

Technical Data

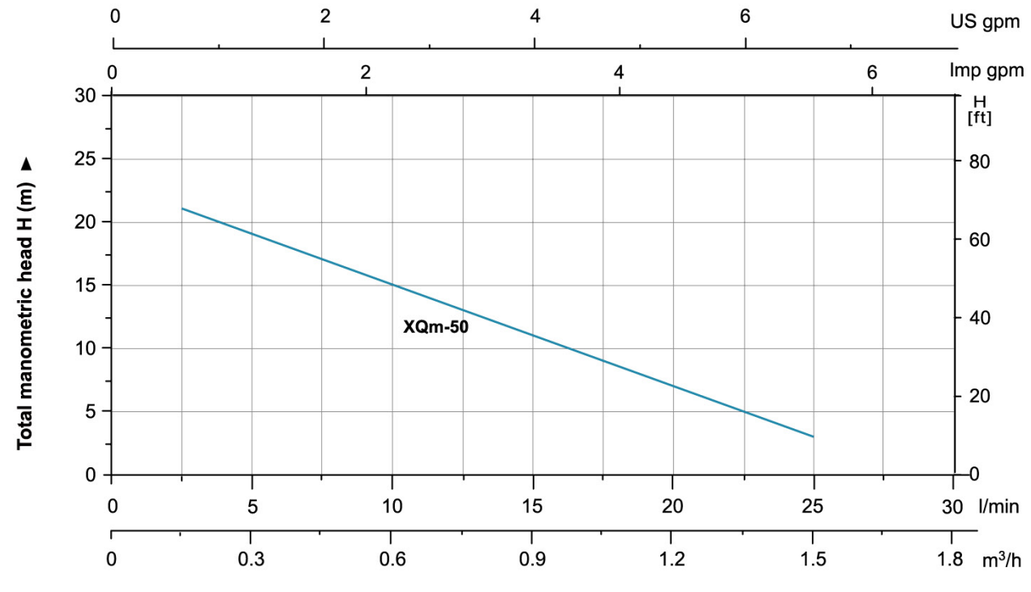
Model	POWER		Q (m^3/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7
	kW	HP	Q (l/min)	0	5	10	15	20	25	30	35	40	45
XQm50	0.125	0.15	**H (m)**	23	19	15	11	7	3	-	-	-	-



Dimension

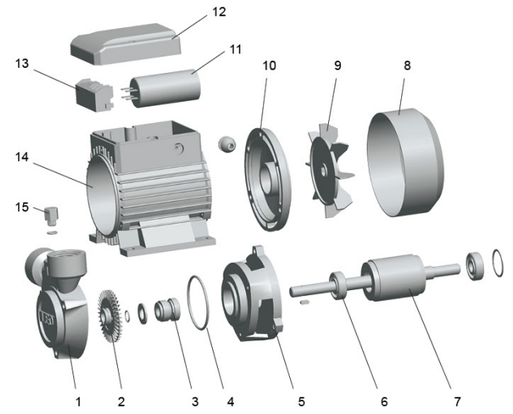
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	L2 (mm)	W1 (mm)	H1 (mm)
XQm50	1"	1"	173	120	146	15	45	100	60

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