INTELLIGENT FLOW FOR GOOD

LEO GROUP PUMP CO., LTD.
LEO GROUP PUMP (ZHEJIANG) CO., LTD.

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2023 V2.0

CIRCULATION BOOSTER PUMP

www.leopump.com

Intelligent Flow For Good

LEO PUMP, founded in 1995, is a leading professional pump & system solution provider, engaged in R&D, manufacture, sales and service of all series pumps and systems. Our products are widely used in water conservancy & water resources, power plants, petrochemical industry, mining & metallurgical industry, civilian water applications, garden machinery and solar pump& system.

With more than 28 years' profession and experience, LEO has become one of the world's famous pump brands. We have set up many production and sales subsidiaries in key regional markets, such as Dubai, Indonesia, Thailand, Malaysia, Bangladesh, USA, Hungary and Russia. Our innovations have brought changes to more than 150 countries and regions, served over 500 million end-users.

We keep adhering to philosophy of "run business with virtue, pursue success with perfection, win victory with efficiency, and go forward with right actions" and focus on developing safe and high-efficiency pump and system, being a sustainable development industry leader. Going forward we will continue our consistent creativity and development ability in each pump for human's health!

1995 — Foundation
Established Wenling Xinke Pump Research Institute

2001
Set up Taizhou LEO Electric Co., Ltd

2007
Got listed in Shenzhen Stock Exchange with stock code 002131

2010 — Expansion
Established LEO Group Pump(Hunan) Co. Ltd, complete the layout of industrial pump

2015 — Transformation
Turned to Intelligent manufacturing with digital transformation

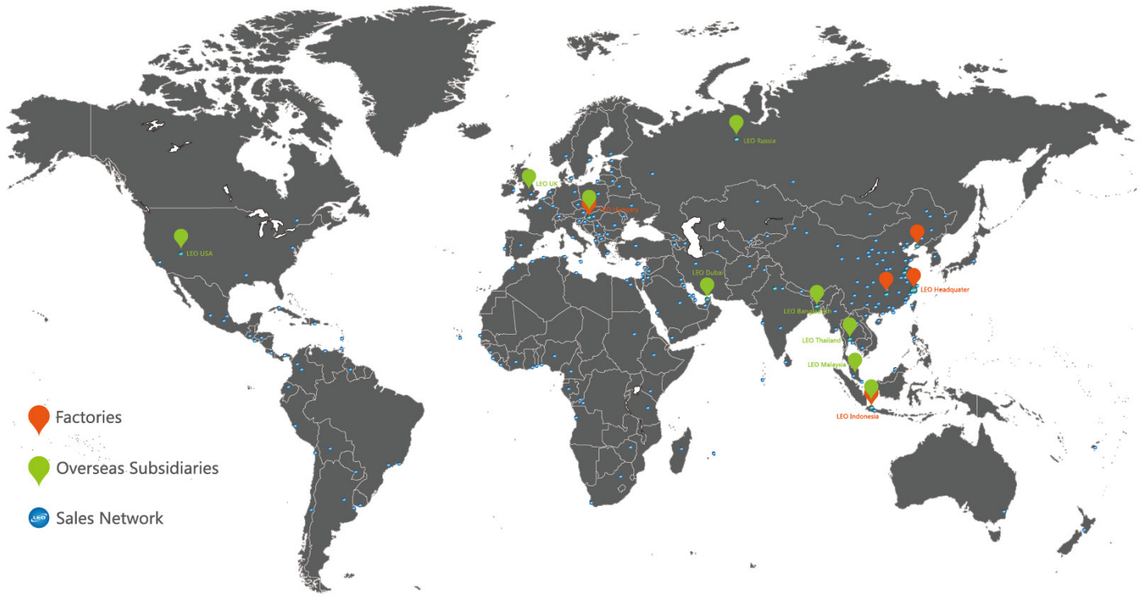
2016
Set up LEO Group Pump(Zhejiang) Co., Ltd. for domestic & commercial pump manufacturing

2018 — Globalization
Completed LEO's all-round layout of global pump industry

2021
Carried out the Five-year Strategy to support consistently expansion of LEO's global network

2023
Announce the new updated VI ofthe LEO Brand to convey the innovation and fore-sight of LEO pumping solutions

LEO WORLD



LEO IN NUMBERS

5
Production Bases

9
Overseas subsidiaries

6,000,000+
Pumps produced yearly

150
Countries

15,000+
Global sales outlets

500+
Million end-users served

Globally we have 5 production plants and relevant professional sales and technical teams with over 500 technicians to support global sales and service. Besides, we also set up several sales and production subsidiaries in key regional markets in Asia, Europe, and America with global employees over 6,000.

With the devoting experience and extraordinary comprehensive strength, LEO has obtained over 700 patents and become a leading pioneer among pump manufacturers and we will keep focus on the development of safe and high-efficient pump&system, being a sustainable enterprise in the industry!


Pump Manufacturing Base for Domestic and Commercial Applications


Pump Manufacturing Base for General Industrial Pumps


Pump Manufacturing Base for Petrochemical Industry

LRP
Circulation Pump

Connectors on request

In/outlet (inch)	2"	1½"	1¼"	1"	3/4"

Application

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

Pump

- Brass or anti-rust cast iron pump body
- Noryl impeller with heat resistance up to 150°C
- 95% alumina ceramic shaft
- Liquid temperature: 2°C - 110°C

Motor

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

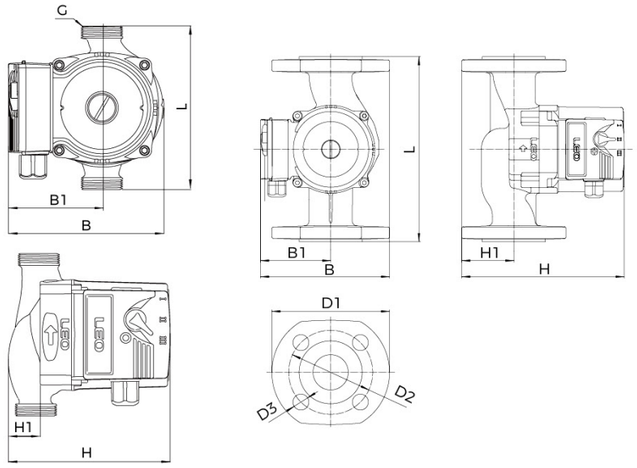
Identification Codes

LRP 15-50 B/130

- Distance between inlet and outlet (mm)
- No identification=Cast iron pump body & threaded connection
- F=Cast iron pump body & flange connection
- B=Brass pump body & threaded connection
- Maximum head (dm)
- Nominal diameter of suction and discharge ports (mm)
- Circulation Pump

Model	L (mm)	B (mm)	B1 (mm)	H (mm)	H1 (mm)	G
LRP15-40/130	130	125	75	130	25	G1
LRP15-40B/130	130	125	75	130	25	G1
LRP20-40/130	130	125	75	130	25	G1.25
LRP25-40/130	130	125	75	130	25	G1.5
LRP25-40/180	180	125	75	130	25	G1.5
LRP32-40/180	180	125	75	135	30	G2
LRP15-50/130	130	125	75	130	25	G1
LRP15-50B/130	130	125	75	130	25	G1
LRP20-50/130	130	125	75	130	25	G1.25
LRP25-50/130	130	125	75	130	25	G1.5
LRP25-50/180	180	125	75	130	25	G1.5
LRP32-50/180	180	125	75	135	30	G2
LRP15-60/130	130	125	75	130	25	G1
LRP15-60B/130	130	125	75	130	25	G1
LRP20-60/130	130	125	75	130	25	G1.25
LRP25-60/130	130	125	75	130	25	G1.5
LRP25-60/180	180	125	75	130	25	G1.5
LRP32-60/180	180	125	75	135	30	G2
LRP25-70/130	130	125	75	130	25	G1.5
LRP25-70/180	180	125	75	130	25	G1.5
LRP32-70/180	180	125	75	135	30	G2
LRP25-80/180	180	134	75	154	25	G1.5
LRP25-120/180	180	148	75	155	25	G1.5
LRP25-120B/180	180	148	75	155	25	G1.5
LRP32-80/180	180	137	75	168	40	G2

Dimension Drawing

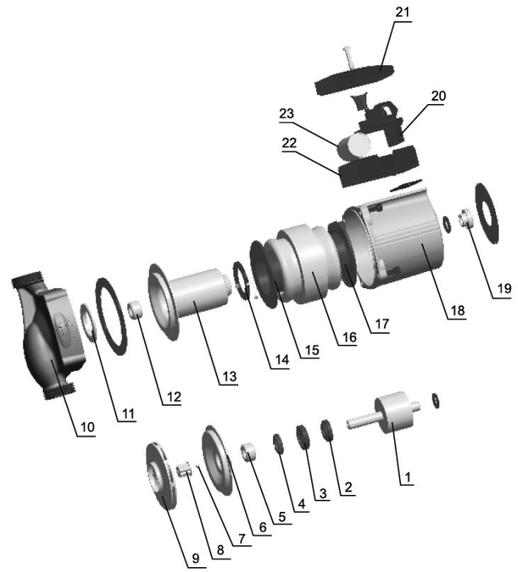


Model	L (mm)	B (mm)	B1 (mm)	H (mm)	H1 (mm)	D1 (mm)	D2 (mm)	D3 (mm)
LRP32-80F/220	220	150	85	191.5	65	140	Φ100	Φ19
LRP36-80F/200	200	138	85	174.5	45	90	Φ90	Φ11.5
LRP40-80F/250	250	155	85	196.5	70	150	Φ110	Φ19

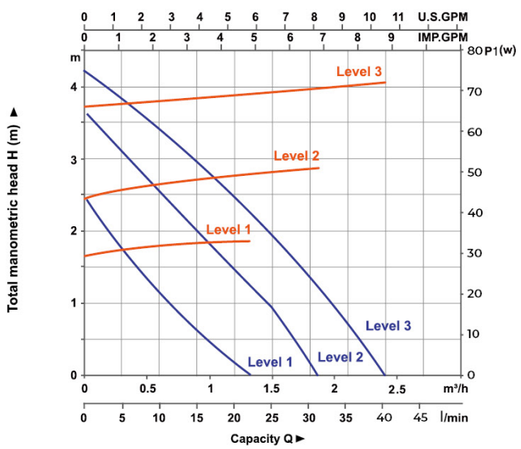
Model	Voltage /Frequency (V/Hz)	Power(W)			Max. Flow (l/min)	Max.Head (m)	N.W. (kgs)	G.W. (kgs)	Packing Size (mm)
		3	2	1					
LRP15-40/130	220~240/50Hz	67	58	40	46/42/30	4.5/4.4/3.6	2.32	2.45	165x150x140
LRP15-40B/130	220~240/50Hz	67	58	40	46/42/30	4.5/4.4/3.6	2.41	2.54	165x150x140
LRP20-40/130	220~240/50Hz	68	59	40	51/46/32	4.3/4.1/3.6	2.37	2.5	165x150x140
LRP25-40/130	220~240/50Hz	72	63	42	60/55/33	4.6/3.3/2.3	2.44	2.57	165x150x140
LRP25-40/180	220~240/50Hz	73	64	43	64/58/35	4.6/4.3/3.9	2.55	2.71	195x150x140
LRP32-40/180	220~240/50Hz	69	60	41	60/54/37	4.3/4.0/3.4	2.73	2.89	195x150x140
LRP15-50/130	220~240/50Hz	85	60	40	40/32/23	4.5/3.8/2.5	2.32	2.45	165x150x140
LRP15-50B/130	220~240/50Hz	85	60	40	47/37/25	4.5/3.8/2.5	2.41	2.54	165x150x140
LRP20-50/130	220~240/50Hz	75	65	42	50/43/28	5.2/4.9/3.4	2.37	2.5	165x150x140
LRP25-50/130	220~240/50Hz	73	62	41	60/52/33	5.3/5.0/3.6	2.44	2.57	165x150x140
LRP25-50/180	220~240/50Hz	75	66	43	63/53/35	5.2/4.9/3.2	2.55	2.71	195x150x140
LRP32-50/180	220~240/50Hz	73	65	42	63/54/35	5.2/4.9/3.7	2.73	2.89	195x150x140
LRP15-60/130	220~240/50Hz	85	71	44	48/42/28	6.0/5.8/4.2	2.32	2.45	165x150x140
LRP15-60B/130	220~240/50Hz	85	71	44	48/42/28	6.0/5.8/4.2	2.41	2.54	165x150x140
LRP20-60/130	220~240/50Hz	96	69	45	53/37/25	5.5/4.5/2.8	2.37	2.5	165x150x140
LRP25-60/130	220~240/50Hz	83	70	43	58/43/28	5.5/4.5/2.8	2.44	2.57	165x150x140
LRP25-60/180	220~240/50Hz	83	69	44	68/60/35	6.1/5.8/4.5	2.55	2.71	195x150x140
LRP32-60/180	220~240/50Hz	85	77	44	66/58/38	5.9/5.5/4.1	2.73	2.89	195x150x140
LRP25-70/130	220~240/50Hz	150	130	105	67/50/37	6.3/6.0/5.2	2.45	2.61	165x150x140
LRP25-70/180	220~240/50Hz	150	130	105	67/50/37	6.3/6.0/5.2	2.57	2.73	195x150x140
LRP32-70/180	220~240/50Hz	150	130	105	67/50/34	6.3/6.0/5.2	2.75	2.91	195x150x140
LRP25-80/180	220~240/50Hz	200	190	160	120/100/60	7.1/6.5/5.5	4.23	4.57	196x196x160
LRP32-80/180	220~240/50Hz	270	245	160	167/100/60	7.3/6.7/5.4	4.75	5.09	195x196x160
LRP32-80F/220	220~240/50Hz	270	245	160	170/113/65	7.3/6.7/5.4	7.57	8	235x181x207
LRP36-80F/200	220~240/50Hz	270	245	160	170/113/65	7.3/6.7/5.4	5.98	6.36	214x170x190
LRP40-80F/250	220~240/50Hz	270	245	160	170/113/65	7.3/6.7/5.4	8.27	8.74	264x186x212
LRP25-120/180	220~240/50Hz	268	249	163	81/47/30	12/11/8	4.62	4.96	196x196x160
LRP25-120B/180	220~240/50Hz	268	249	163	81/47/30	12/11/8	4.92	5.26	196x196x160

Materials Table

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

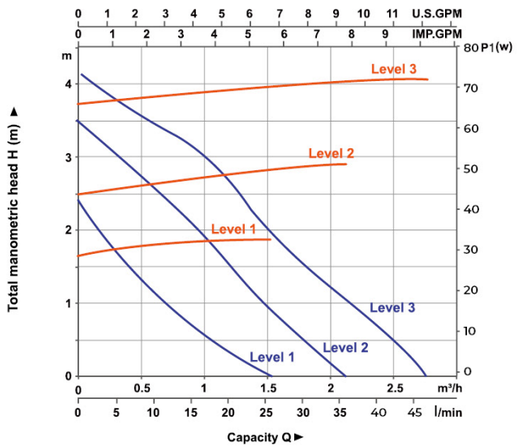


Hydraulic Performance Curves



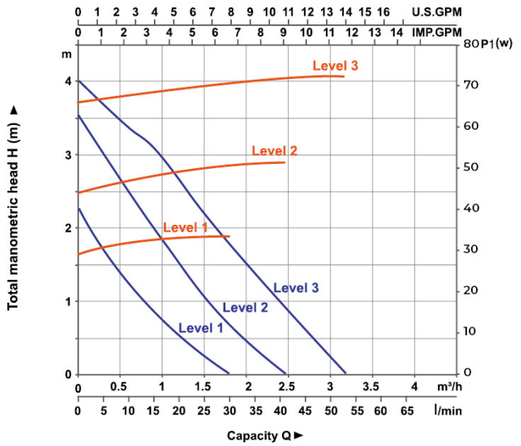
LRP15-40B/130
LRP15-40/130

Q-H



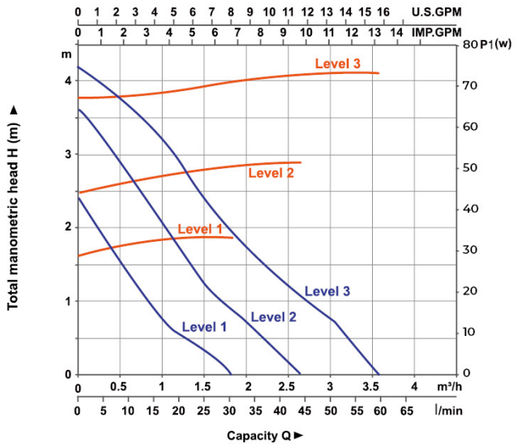
LRP20-40/130

Q-H
Q-P



LRP25-40/130

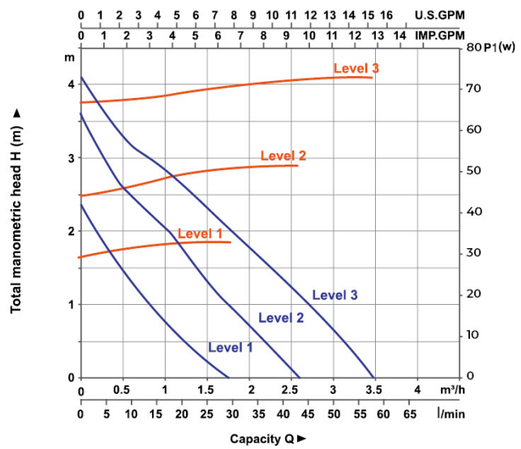
Q-H
Q-P



LRP20-40/180

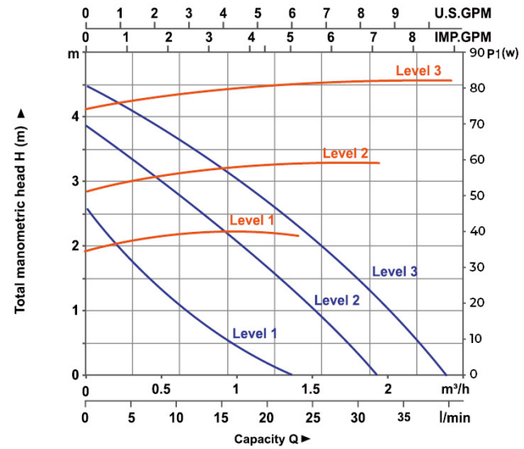
Q-H
Q-P

Hydraulic Performance Curves



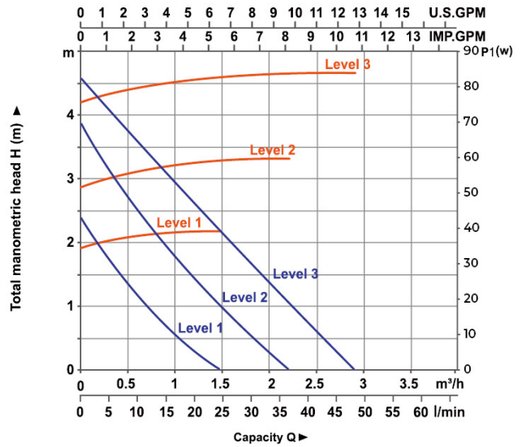
LRP32-40/180

Q-H
Q-P



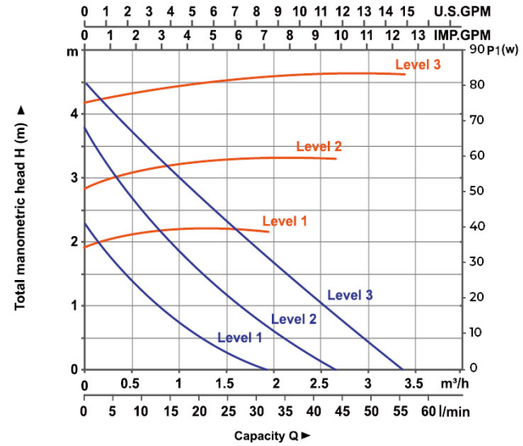
LRP15-50B/130
LRP15-50/130

Q-H
Q-P



LRP20-50/130

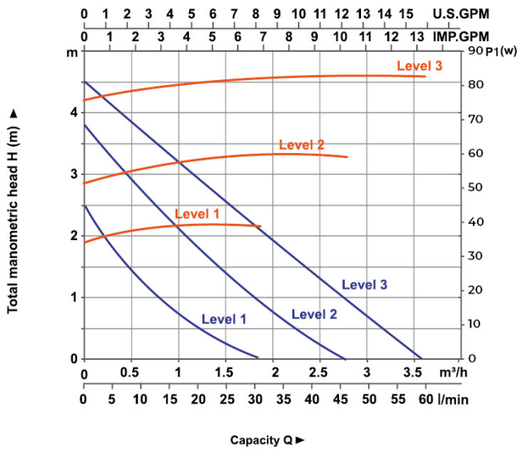
Q-H
Q-P



LRP25-50/130

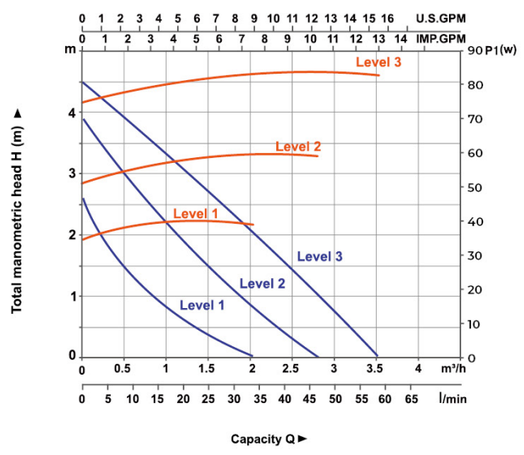
Q-H
Q-P

Hydraulic Performance Curves



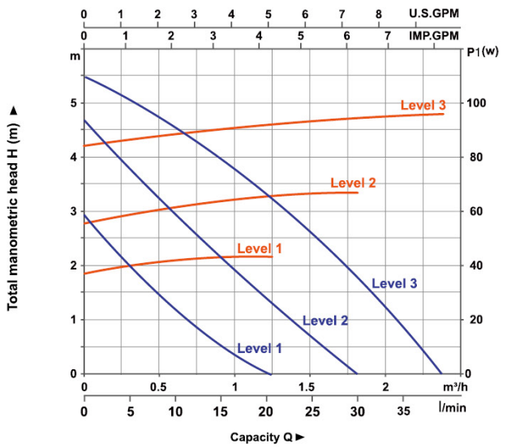
LRP25-50/180

Q-H
Q-P



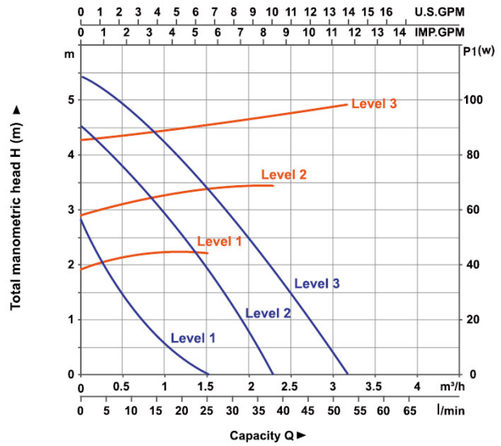
LRP32-50/180

Q-H
Q-P



LRP15-60B/130
LRP15-60/130

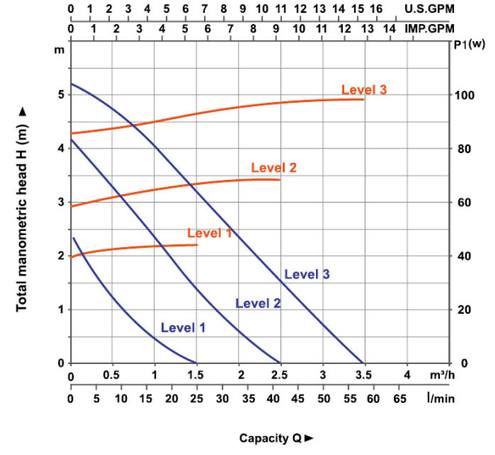
Q-H
Q-P



LRP20-60/130

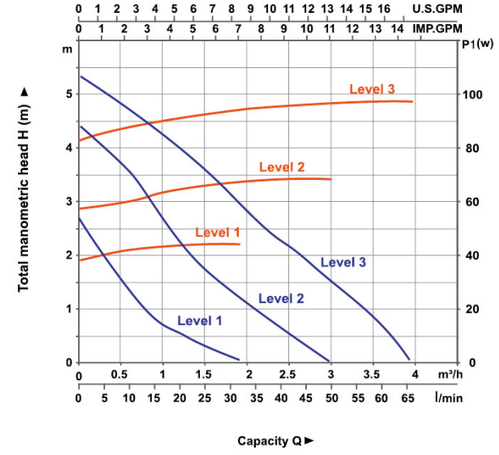
Q-H
Q-P

Hydraulic Performance Curves



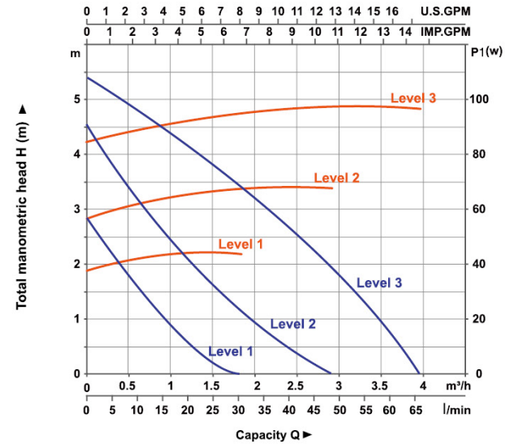
LRP25-60/130

Q-H
Q-P



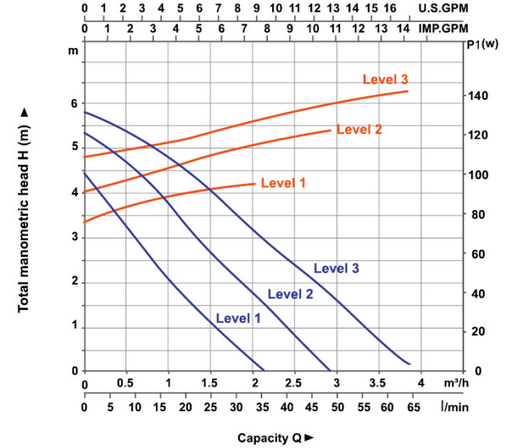
LRP25-60/180

Q-H
Q-P



LRP32-60/180

Q-H
Q-P

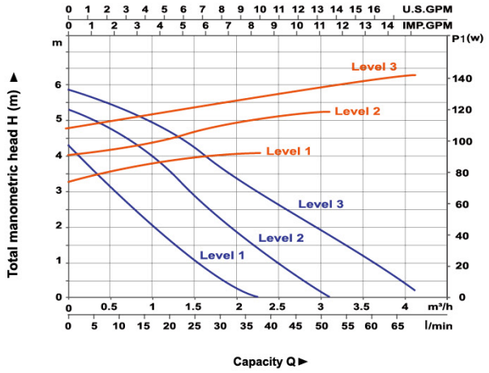


LRP25-70/130

Q-H
Q-P

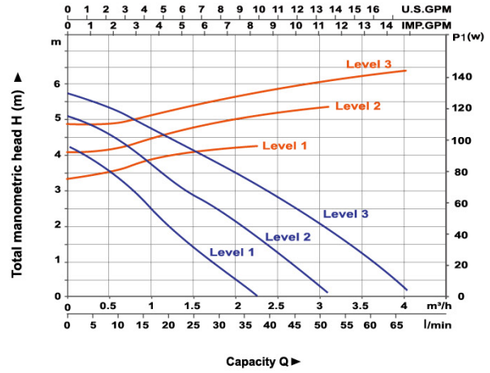
LRP
Circulation Pump

Hydraulic Performance Curves



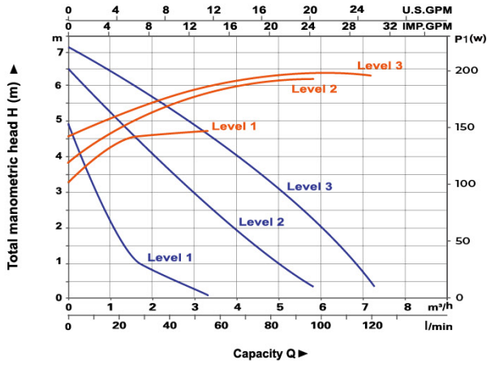
LRP25-70/180

Q-H
Q-P



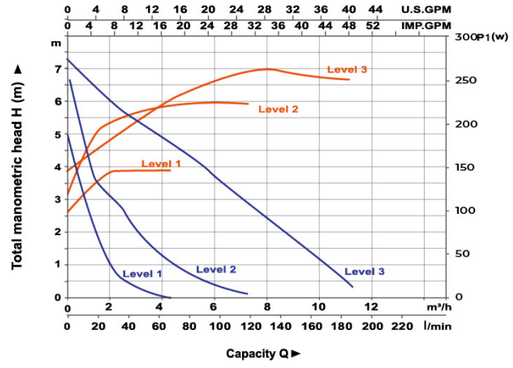
LRP32-70/180

Q-H
Q-P



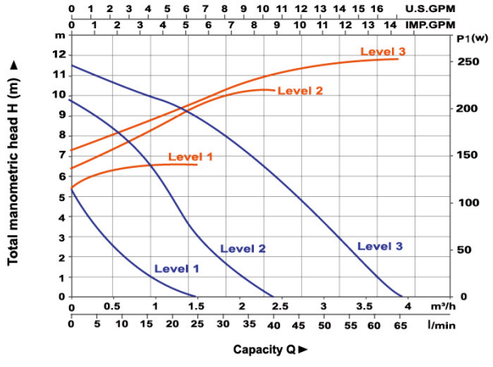
LRP25-80/180

Q-H
Q-P



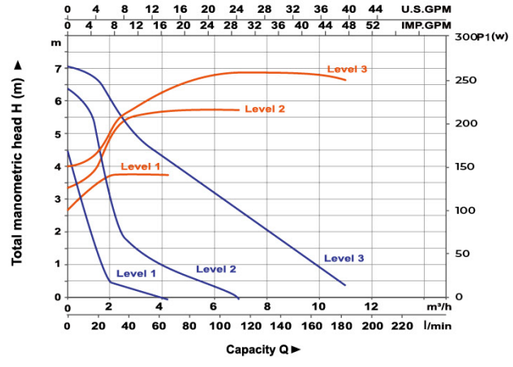
LRP32-80/180
LRP32-80/220
LRP36-80/200

Q-H
Q-P



LRP25-120/180
LRP25-120B/180

Q-H
Q-P



LRP40-80F/250

Q-H
Q-P

ARP
Circulation Pump

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Heating systems with constant or variable flows
- Heating systems with variable flow-pipe temperature
- Heating systems where night setback is desired
- Heating systems where the differential pressure of the pump is too high during periods of reduced flow demand
- Heating systems where requires a fully automatic adjustment of the performance to flow demands
- Pressure boosting of water heaters
- Circulation and pressure boosting of domestic water

Pump

- Compact design with perfect integrated control unit
- Anti-rust cast iron pump body
- Noryl impeller with heat resistant up to 150˚C
- 95% alumina ceramic shaft
- Liquid temperature: 2˚C ~ 110˚C

Motor

- Insulation class: H
- Protection class: IP42
- 99% alumina ceramic bearing
- Copper winding
- Power /frequency(V/Hz): 220-240/50
- EEI: ≤ 0.23, which complies with the Eup Directive

Connectors on request

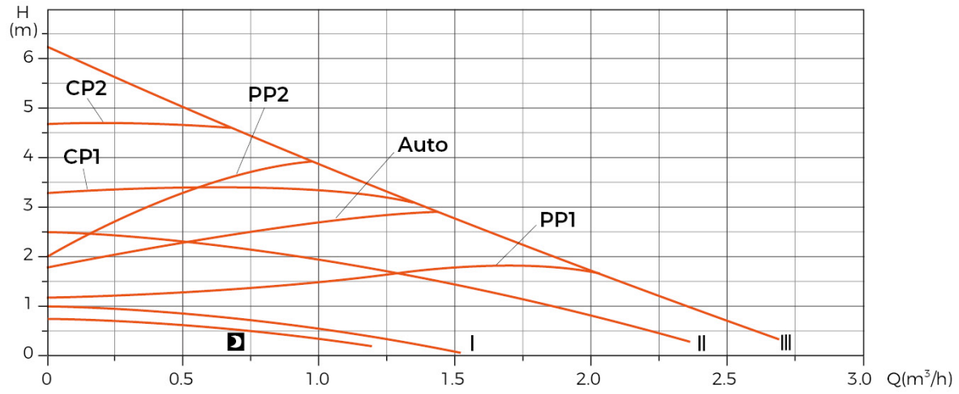
In/outlet (inch)	2"	1½"	1¼"	1"	3/4"

Identification Codes

ARP 15 - 40 / 130

- 130 — Distance between inlet and outlet (mm)
- 40 — Max.Head (dm)
- 15 — Nominal diameter of suction and discharge ports (mm)
- ARP — LEO Circulation Pump

Function Introduction



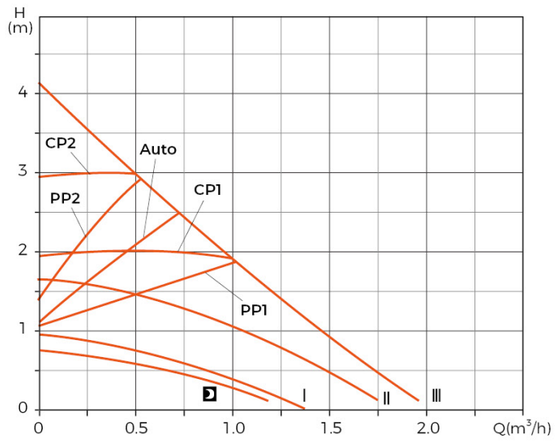
Mode	Pump Feature	Function
Auto	Max. to Min. proportional pressure curve	The auto adapt function enables the pump to control the performance to within a defined performance range. i.e. adjusting the pump performance to the size of the system and the variations in load over time. In this mode, the pump is set to proportional-pressure control.
PP1	Min. Proportion pressure curve	The duty point of the pump will move up or down on the lowest proportional pressure curve, depending on the heat demand in the system. The pressure is reduce at falling of heat demand and increased at demand rising.
PP2	Max. Proportion pressure curve	The duty point of the pump will move up or down on the highest proportional pressure curve, depending on the heat demand in the system. The pressure is reduce at falling of heat demand and increased at demand rising.
CP1	Max. constant pressure curve	The duty point of the pump will move out or in on the highest constant-pressure curve, depending on the heat demand in the system. The pressur e is kept constant, irrespective of the heat demand.
CP2	Min. constant pressure curve	The duty point of the pump will move out or in on the lowest constant-pressure curve, depending on the heat demand in the system. The pressure is kept constant, irrespective of the heat demand.
Ⅲ	Speed Ⅲ	In speed III, the pump is set to run on the max. curve under all operating conditions. Quick venting of the pump can be obtained by setting the pump to speed III for a short period.
Ⅱ	Speed Ⅱ	In speed II, the pump is set to run on the intermediate curve under all operating conditions.
Ⅰ	Speed Ⅰ	In speed I, the pump is set to run on the min. curve under all operating conditions.
	Night mode	The pump changes to automatic night setback, i.e. minimum performance and power consumption, provided that certain conditions are met.

Techncial Data

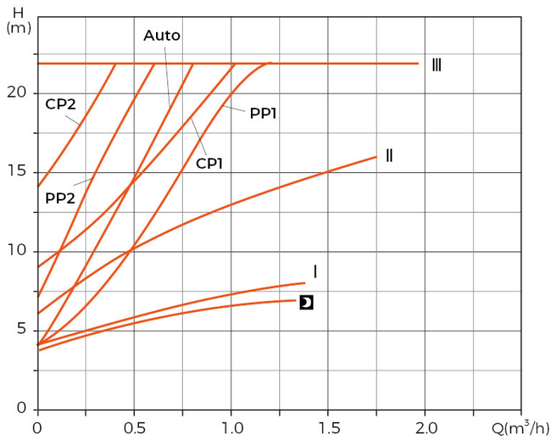
Model	Voltage /Frequency (V/Hz)	Max.Flow (m^3/h)	Max.Head (m)	Power (W)	EEI	G.W. (kg)	Packing Size (mm)
ARP15-40/130	220-240/50	2	4.1	22	≤0.23	2.26	165x150x140
ARP15-50/130	220-240/50	2.3	5.2	32	≤0.23	2.26	165x150x140
ARP15-60/130	220-240/50	2.6	6.2	45	≤0.23	2.26	165x150x140
ARP20-40/130	220-240/50	2	4	22	≤0.23	2.33	165x150x140
ARP20-50/130	220-240/50	2.3	5.1	32	≤0.23	2.33	165x150x140
ARP20-60/130	220-240/50	2.6	6.1	45	≤0.23	2.33	165x150x140
ARP25-40/130	220-240/50	2.1	4	22	≤0.23	2.39	165x150x140
ARP25-40/180	220-240/50	2	4	22	≤0.23	2.56	195x150x140
ARP25-50/130	220-240/50	2.3	5	32	≤0.23	2.39	165x150x140
ARP25-50/180	220-240/50	2.3	5	32	≤0.23	2.56	195x150x140
ARP25-60/130	220-240/50	2.4	6.1	45	≤0.23	2.39	165x150x140
ARP25-60/180	220-240/50	2.7	6	45	≤0.23	2.56	195x150x140
ARP32-40/180	220-240/50	2.2	4	22	≤0.23	2.75	195x150x140
ARP32-50/180	220-240/50	2.5	5.1	32	≤0.23	2.75	195x150x140
ARP32-60/180	220-240/50	2.8	6.1	45	≤0.23	2.75	195x150x140

Performance Curve

Explain: ARPXX-40 curves (Q-H、Q-P1) applies to the following models：
ARP15-40/130、ARP20-40/130、ARP25-40/130、ARP25-40/180、ARP32-40/180



ARPXX–40 Q–H

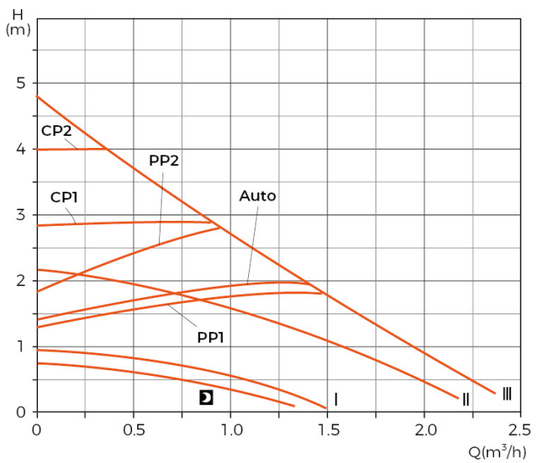


ARPXX–40 Q–P1

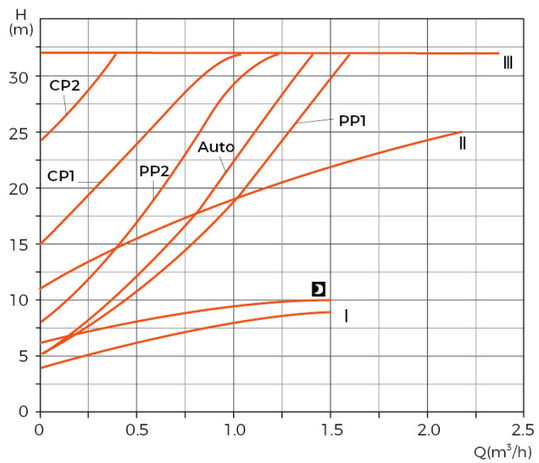
Performance Curve

Explain: ARPXX-50 curves (Q-H、Q-P1) applies to the following models：

ARP15-50/130、ARP20-50/130、ARP25-50/130、ARP25-50/180、ARP32-50/180



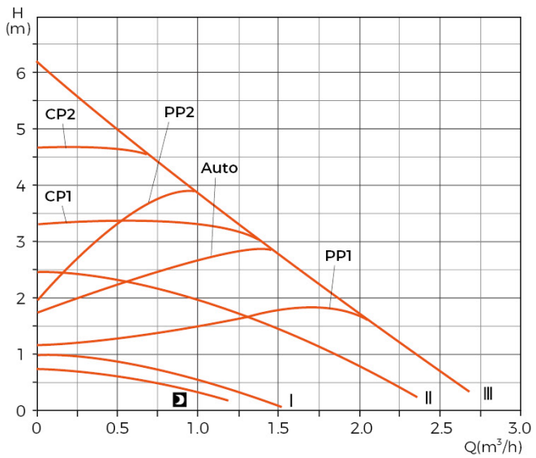
ARPXX–50 Q–H



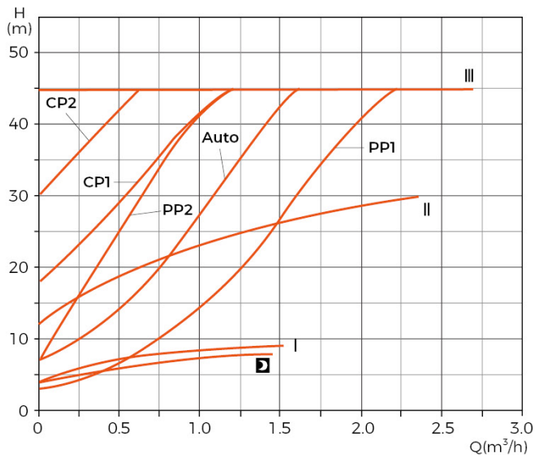
ARPXX–50 Q–P1

Explain: ARPXX-60 curves (Q-H、Q-P1) applies to the following models：

ARP15-60/130、ARP20-60/130、ARP25-60/130、ARP25-60/180、ARP32-60/180

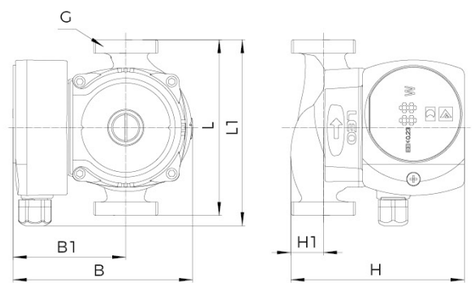


ARPXX–60 Q–H



ARPXX–60 Q–P1

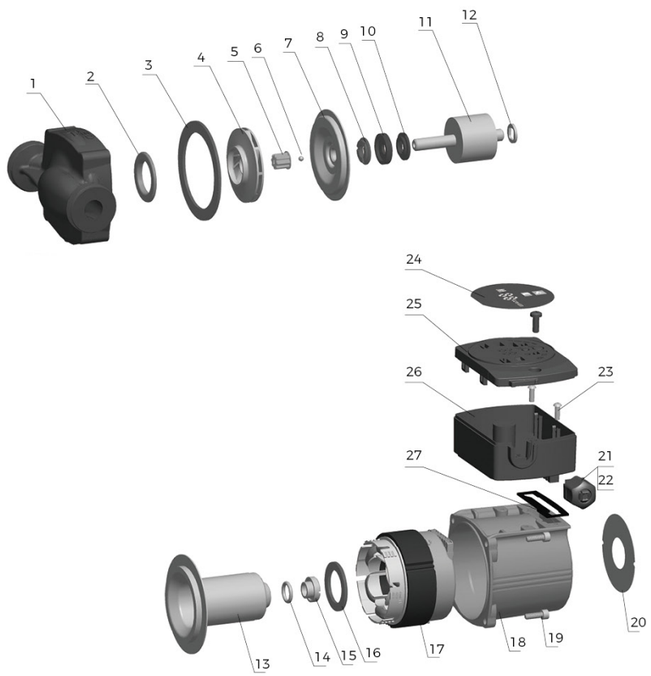
Dimension



Model	L (mm)	L1 (mm)	B (mm)	B1 (mm)	H (mm)	H1 (mm)	G
ARP15-40/130	130	138	135	85	130	25	G1
ARP20-40/130	130	138	135	85	130	25	G1.25
ARP25-40/130	130	138	135	85	130	25	G1.5
ARP25-40/180	180	138	135	85	130	25	G1.5
ARP32-40/180	180	138	135	85	135	30	G2
ARP15-50/130	130	138	135	85	130	25	G1
ARP20-50/130	130	138	135	85	130	25	G1.25
ARP25-50/130	130	138	135	85	130	25	G1.5
ARP25-50/180	180	138	135	85	130	25	G1.5
ARP32-50/180	180	138	135	85	135	30	G2
ARP15-60/130	130	138	135	85	130	25	G1
ARP20-60/130	130	138	135	85	130	25	G1.25
ARP25-60/130	130	138	135	85	130	25	G1.5
ARP25-60/180	180	138	135	85	130	25	G1.5
ARP32-60/180	180	138	135	85	135	30	G2

Materials Table

No.	Part	Material
1	Pump body	HT200/AISI304
2	Pump body inset	06Cr19Ni10
3	Body gasket	Silicon rubber
4	Impeller	PPO
5	locking	06Cr19Ni10
6	Check ball	Silicon rubber
7	Pump support cover	
8	Bushings	Graphite
9	Thrust ring support	Silicon rubber
10	Thrust bearing adjusting mat	PPO-GF30
11	Rotor	
12	Back bearing adjusting mat	PPO-GF30
13	Can brg asm	
14	O-ring	Rubber
15	Drain plug	DZR
16	Can brg asm seal	Silicon rubber
17	Stator sleeve	
18	Housing	ADC12
19	Bolt	
20	Nameplate	PC
21	Cable nut	ABS
22	Cable outlet nut	PA6-GF20
23	Washer	
24	Bolt	
25	Terminal cover	
26	Terminal box	
27	Terminal box seal	Rubber



Connectors on request

Application

It is widely used for

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

Pump

- Automatic pressure boosting
- Anti-rust cast iron pump body
- Noryl impeller with heat resistance up to 150℃
- 95% alumina ceramic shaft
- Liquid temperature: 2℃ ~ 60℃

Motor

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

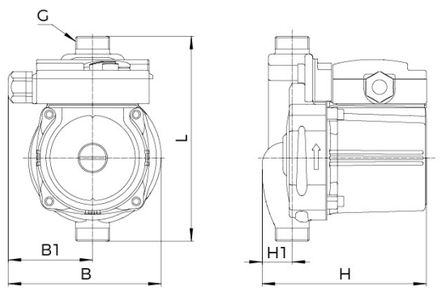
Identification Codes

LRP 15-90 A / 160

- 160 — Distance between inlet and outlet (mm)
- A — Automatic Operation
- 90 — Max. Head (dm)
- 15 — Nominal diameter of suction and discharge ports (mm)
- LRP — LEO Booster/Circulation Pump

Technical Data

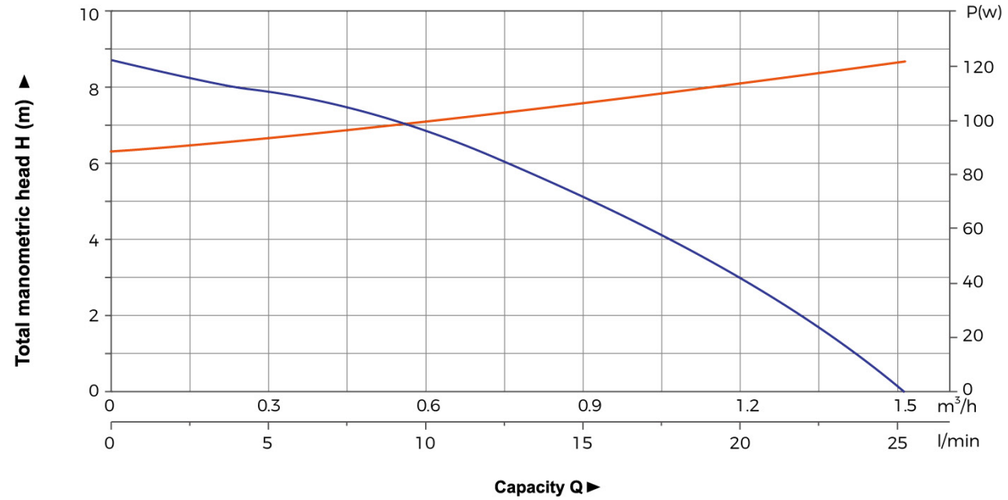
Model	Voltage/ Frequency	Power (W)	Max.Flow (l/min)	Max.Head (m)	N.W. (kgs)	G.W. (kgs)	Packing Size (mm)
LRP15-90A/160	1~230V/50Hz	120	25	9	2.72	2.74	198x143x160



Dimension

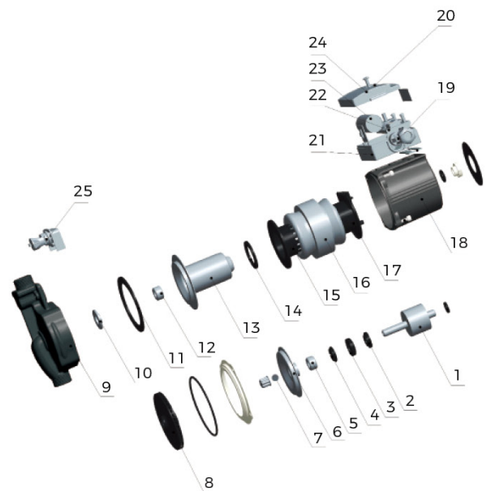
Model	L (mm)	B (mm)	B1 (mm)	H (mm)	H1 (mm)	G
LRP15-90A/160	160	120	70	130	25	G3/4

Hydraulic Performance Curves



Materials Table

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



LRP
Booster Pump

Application

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

Pump

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

Motor

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

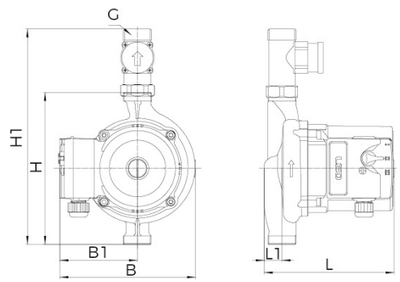
Identification Codes

LRP 25-120 A / 180

- 180 — Distance between inlet and outlet (mm)
- A — Automatic Operation
- 120 — Max. Head (dm)
- 25 — Nominal diameter of suction and discharge ports (mm)
- LRP — LEO Booster/Circulation Pump

Technical Data

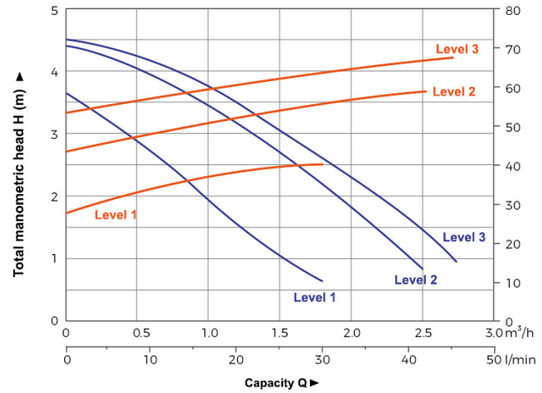
Model	Voltage/Frequency	Input Power(W)			Max.Flow (l/min)	Max.Head (m)	N.W. (kgs)	G.W. (kgs)	Packing Size (mm)
		3	2	1					
LRP15–40A/130	220–240V/50Hz	74	54	34	38.3/30/21.7	4.2/3.6/2.4	2.32	2.45	198x143x160
LRP15–50A/130	220–240V/50Hz	85	60	40	38.3/30/21.7	4.5/4/2.6	2.32	2.45	198x143x160
LRP15–60A/130	220–240V/50Hz	96	69	45	38.3/28.3/21.7	5.5/4.7/3	2.32	2.45	198x143x160
LRP25–120A/180	220–240V/50Hz	270	200	160	58.3/45/25	12/11/.3.5	4.62	4.96	192x170x190



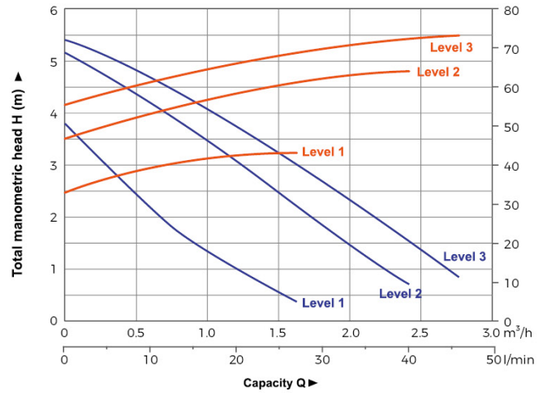
Dimension

Model	L (mm)	L1 (mm)	B (mm)	B1 (mm)	H (mm)	H1 (mm)	G
LRP15-40A/130	130	205	125	75	130	25	G1
LRP15-50A/130	130	205	125	75	130	25	G1
LRP15-60A/130	130	205	125	75	130	25	G1
LRP25-120A/180	180	255	148	75	155	25	G1

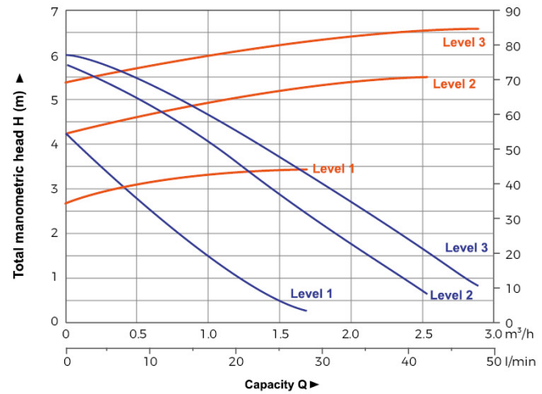
Hydraulic Performance Curves



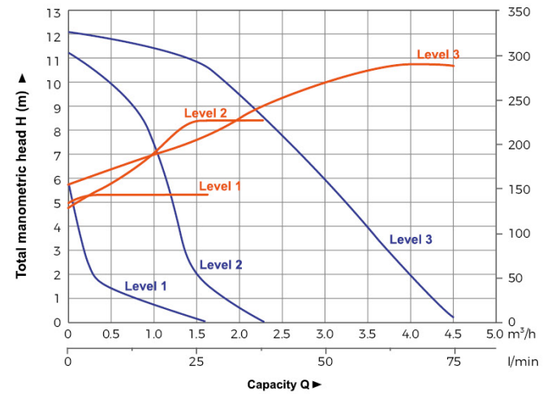
LRP15-40A/130 — Q-H, Q-P



LRP15-50A/130 — Q-H, Q-P



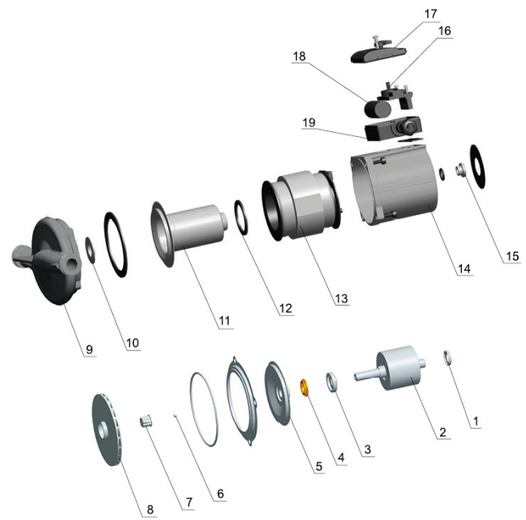
LRP15-60A/130 — Q-H, Q-P



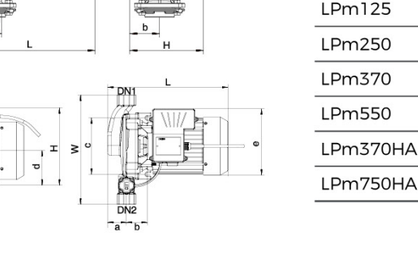
LRP25-120A/180 — Q-H, Q-P

Materials Table

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



LPm
Booster Pump



Application

- It is suitable for boosting hot water powered by solar energy for sauna and bathing and solves insufficient water pressure in high-rise buildings.
- It can also supply water (less than 100℃) to two families.

Pump

- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Liquid temperature: 2˚C ~ 100˚C

Motor

- Insulation class: F
- Protection class: IP44

Identification Codes

LP m 37 0 (H A)

- A — Automatic
- H — High Head
- 0 — Improvement Code
- 37 — Power (x 10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- LP — LEO Pump Style (Booster pump)

Technical Data

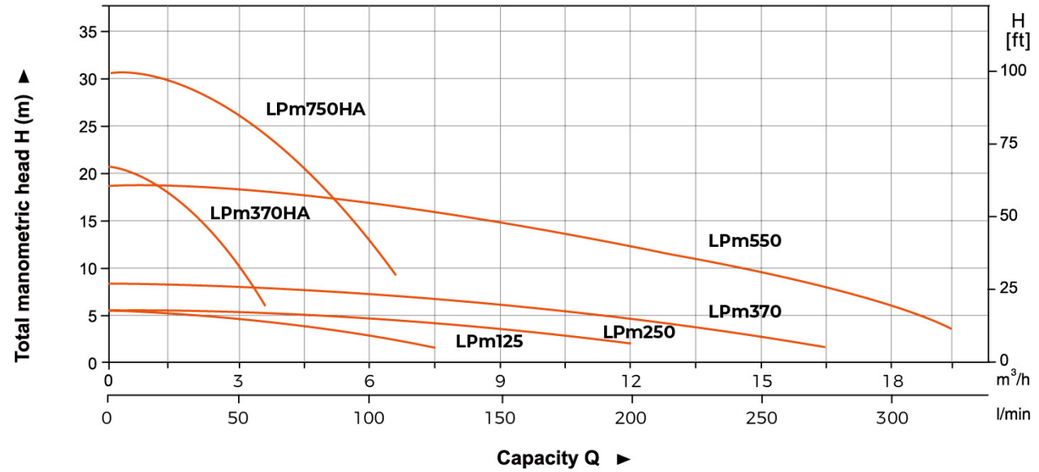
Model	Power	Q(m³/h)	0	1.5	3	4.5	6	7.5	9	10.5	12	13.5	15	16.5	18	19.5
	kW	Q(l/min)	0	25	50	75	100	125	150	175	200	225	250	275	300	325
LPm125	0.125	H (m)	5.5	5	4.8	3.8	3	1.7	-	-	-	-	-	-	-	-
LPm250	0.25		5.5	5.2	5.1	4.9	4.6	4.2	3.5	2.8	2	-	-	-	-	-
LPm370	0.37		8	7.9	7.8	7.5	7.2	6.7	6.2	5.6	4.8	4	3.3	2.3	-	-
LPm550	0.55		19	19	18.9	18	17	16	14.9	13.7	12.4	11.2	9.8	8.5	6.6	4

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	6.6
	kW	Q(l/min)	0	10	20	30	40	50	60	70	80	90	100	110
LPm370HA	0.37	H (m)	21	20.6	18.5	16	13.4	10	5.5	-	-	-	-	-
LPm750HA	0.75		30.8	30.7	30	29.5	28.3	26.3	24.4	22	19	16.2	13.2	9.4

Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)
LPm125	1½"	1½"	275	260	186	47	74	210	Φ141	160
LPm250	2"	2"	301	313	190	71	78	260	Φ141	164
LPm370	2½"	2½"	367	334	195	77	84	280	Φ141	173
LPm550	2"	2"	369	344	210	81	87	280	Φ165	182
LPm370HA	1"	1"	295	270	209	43	60	124	Φ95	141
LPm750HA	1"	1"	341	310	220	54	59	160	Φ98	165

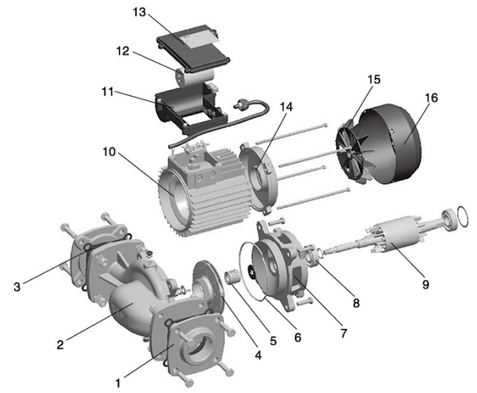
Hydraulic Performance Curves



Materials Table

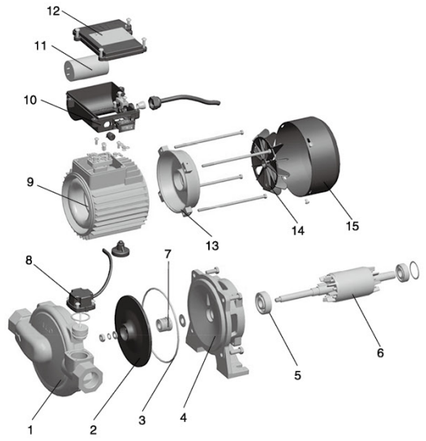
LPm125/LPm250/LPm370/LPm550

No.	Part	Material
1	Flange	HT200
2	Pump body	HT200
3	Flange gasket	
4	Impeller	PPO
5	Machanical seal	Carbon/Ceramic
6	O ring	
7	Support	HT200
8	Bearing	
9	Rotor	
10	Stator	
11	Terminal box	ABS
12	Capacitor	
13	Terminal box cover	
14	Rear cover	ZL102
15	Fan	PP
16	Fan cover	08F



LPm370HA/LPm750HA

No.	Part	Material
1	Pump body	HT200
2	Impeller	PPO
3	O ring	
4	Support	HT200
5	Bearing	
6	Rotor	
7	Machanical eeal	Carbon/Ceramic
8	Control switch	
9	Stator	
10	Terminal box Capacitor	ABS
11	Terminal box cover	
12	Rear cover	
13	Fan	ZL102
14	Fan cover	PP
15	Fan	08F
16	Fan cover	08F



LP
Booster Pump

Application

- Hot water circulation and heating system
- Air-conditioning system
- Industrial circulation system
- General pressure boosting in household

Pump

- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Liquid temperature: 2˚C ~ 100˚C

Motor

- Insulation class: B
- Protection class: IP44

Identification Codes

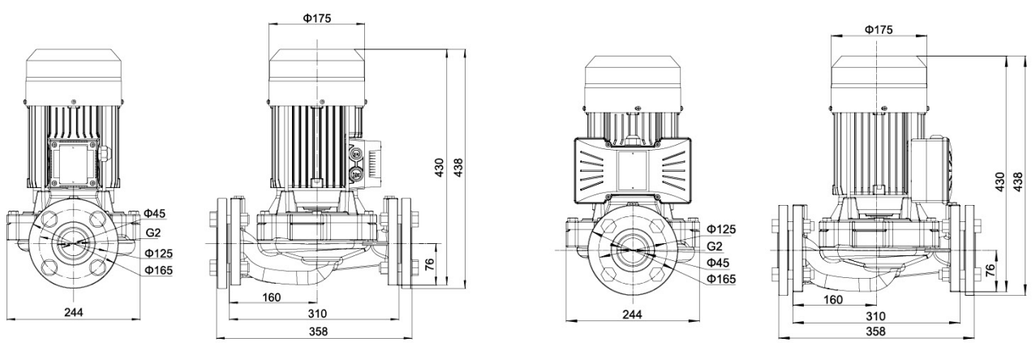
LP (m) 1500

- 1500 — Power (W)
- (m) — Single Phase Motor (Omitted for three-phase motor)
- LP — LEO Circulation Pump

Technical Data

Model	Power		Q(m³/h)	0	6	9	12	15	18	21	24	30	32
	kW	HP	Q(l/min)	0	100	150	200	250	300	350	400	500	533
LP(m)1500	1.5	2	H (m)	36	25	24	23	21	19	17	13	5	0
LP(m)2200	2.2	3		34	33	32	30	28	26	23	20	12	8

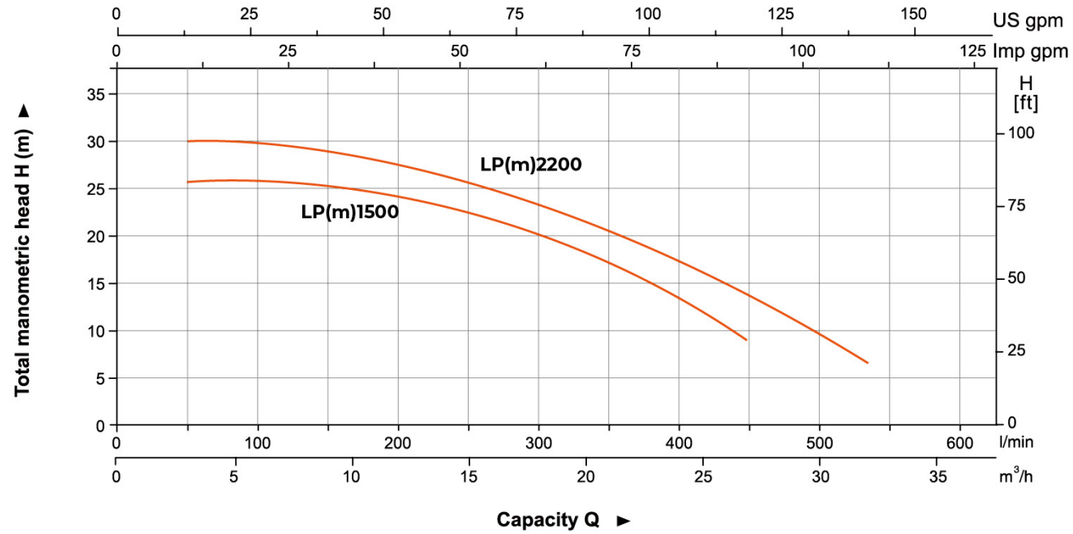
Dimension



Three-phase

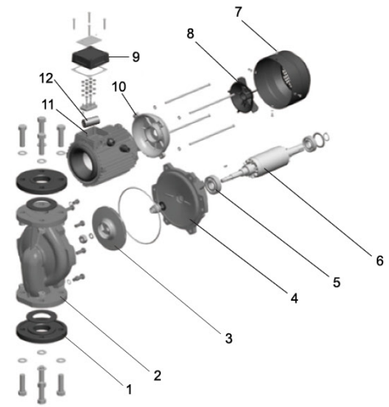
Single-phase

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Flange	HT200
2	Pump body	HT200
3	Impeller	Brass
4	Support	HT200
5	Bearing	
6	Rotor	
7	Fan cover	08F
8	Fan	PP
9	Terminal box	ABS
10	Rear cover	ZL102
11	Stator	ABS
12	Capacitor	



Package Information

Model	G.W (kg)	L (mm)	W (mm)	H (mm)
LP(m)1500	37	165.5	325	375
LP(m)2200	38.8	183.5	325	375

PUMP RANGE

Peripheral Pump


APm


XKm


SPm

Self-Priming Peripheral Pump


APSm


APSm-AT

Jet Pump


AJm-S


AJm

Jet Pump for Deep Wells


AJDm

Centrifugal Pump


ACm


ACm-BF


XGm

Multistage Centrifugal Pump


2ACm


3(4)ACm

Horizontal Multistage Centrifugal Pump


3(4,5)XCm-C


3(4,5)ACm-S


3(4,5)ACSm-S

Permanent Magnet Intelligent Booster


MAC

Self-Priming Centrifugal Pump


XHSm

Submersible Pump


QDX


QDX-L

Domestic Lifting Station


WC

Pool Pump


XKP

Garden Jei Pump


EKJ-S


EKJ-I


EKJ-P

Garden Pressure System


EKJ-SA


EKJ-IA


EKJ-PA

Fountain Pump


XKF

Garden Submersible Pump


LKS


XKS


XKS

Petrol Lawnmowers


LM

Wall-Mounted Gas Boiler Pump


BRP

Circulation Pump


LRP


ARP

Booster Pump


LPm


LP

Stainless Steel Centrifugal Pump

AMS

Semi-open Impeller Stainless Steel Centrifugal Pump

ABK

Stainless Steel Horizontal Multistage Pump

EDH

ECH

EMH

Intelligent Pressure Booster System

BP

Vertical Multistage Pump

LVR

LVS

EVP

WTR

WTS

Pressure Booster System

BWS-HY(E)

Stainless Steel Standard Centrifugal Pump

XZS

Standard Centrifugal Pump

XST

End Suction Centrifugal Pump

XSTP

LEZ

LEP

Vertical In-line Pump

LPP

PUMP RANGE

Submersible Sewage Pump

WQD

WQ

LSW

Submersible Dewatering Pump

KBZ

Submersible Slurry Pump

KBS

Gasoline/Diesel Water Pump

LGP

LDP

Generators

PH

KB

PB

LB

Submersible Borehole Pump
2", 2.5", 3", 4", 5", 6"

6XRS

4XRS

4XR

DWP

5DW

Solar Pumping System