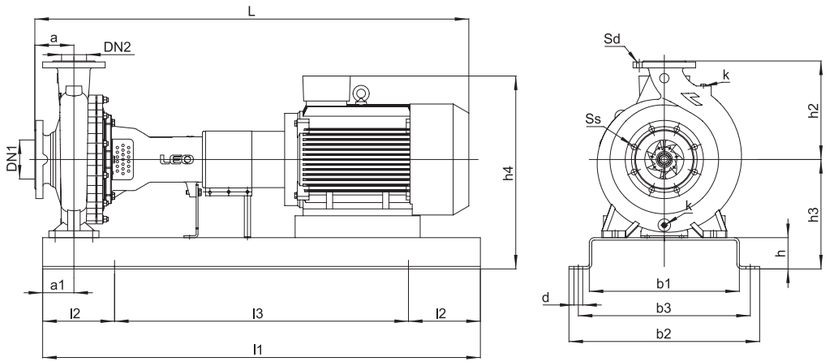
LEN

Bare Shaft End Suction Centrifugal Pump

Dimension



Model	DN1	a	a1	h4	L	l1	l2	l3	DN2	Ss	Sd	h2	h3	h	d	b1	b3	b2	k
LEN125-80-200				468	1128														
LEN125-80-200A																			
LEN125-80-200B				449	1053	1120	190	740				250	280			380	440	490	
LEN125-80-200C																			
LEN125-80-200D				431	1035														
LEN125-80-200E															4-Φ24				
LEN125-80-250				567	1265														
LEN125-80-250A																			
LEN125-80-250B				513	1166	1250	205	840	80			280	325			430	490	540	
LEN125-80-250C																			
LEN125-80-250D					1128														
LEN125-80-250E		125																	
LEN125-80-315				617	1388														
LEN125-80-315A					1350														
LEN125-80-315B				592	1309	1400	230	940				315	350		4-Φ28	480	550	610	
LEN125-80-315C																			
LEN125-80-315D					1265														
LEN125-80-315E	125					1250	205	840								430	490	540	
LEN125-100-200				488	1166														
LEN125-100-200A																			
LEN125-100-200B					1128	1120	190	740					300		4-Φ24	380	440	490	
LEN125-100-200C																			
LEN125-100-200D				469	1053														
LEN125-100-250				567	1324	1400	230	940							4-Φ28	480	550	610	
LEN125-100-250A																			
LEN125-100-250B					1280	1250	205	840				280	325		4-Φ24	430	490	540	
LEN125-100-250C																			
LEN125-100-250D																			
LEN125-100-250E				513	1181														
LEN125-100-250F																			
LEN125-100-315				649	1462														
LEN125-100-315A					1403														
LEN125-100-315B		140		617															
LEN125-100-315C					1365														
LEN125-100-315D																			
LEN125-100-315E				592	1324	1400	230	940	100	8-Φ18	8-Φ18	315	350	100	4-Φ28	480	550	610	R3/8
LEN150-125-250					1403														
LEN150-125-250A				617	1365														
LEN150-125-250B	150																		
LEN150-125-250C					1324				125	8-Φ22		355							
LEN150-125-250D				592															
LEN150-125-250E					1280	1250	205	840							4-Φ24	430	490	540	

LRP

Circulation Pump

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

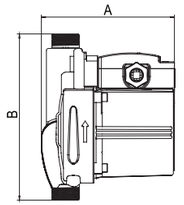
Pump

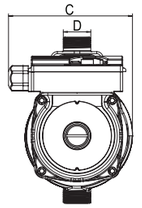
- Autamic pressure boosting
- Anti-rust cast iron pump body
- Noryl impeller with heat resistance up to 150℃
- 99% alumina ceramic shaft
- Liquid temperature: 2℃ - 60℃

Motor

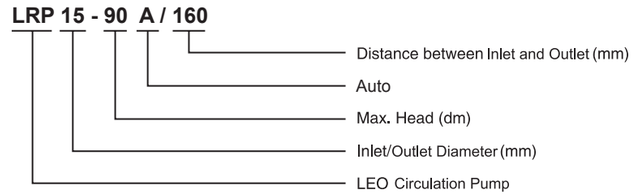
- Insulation class: H
- Protection class: IP42
- 99% alumina ceramic bearing
- Copper winding

Dimension Drawing





Identification Codes

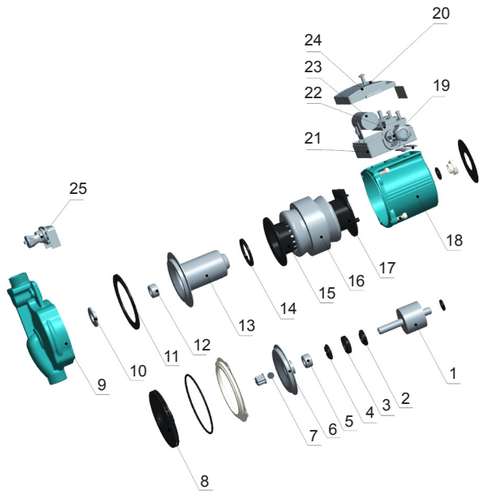


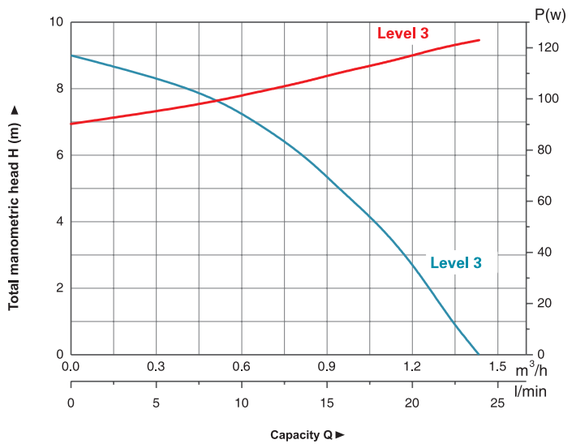
MODEL	A (mm)	B (mm)	C (mm)	D
LRP15-90A/160	129	160	120	G 3/4

MODEL	POWER	POWER (W)	Max. Flow (l/min)	Max. Head (m)	Inet/Outlet (mm)	Pipe Size (inch)
LRP15-90A/160	1~230V/50Hz	123	25	9	Φ15	1

Materials Table

No.	Part	Material
1	Rotor	
2	Thrust bearing adjusting mat	Noryl
3	Thrust bearing rubber mat	Silicon rubber
4	Thrust bearing	Graphite
5	Front bearing	Alumina
6	Pump support cover	Stainless steel
7	Check ball	Silicon rubber
8	Impeller	PPO
9	Pump body	Cast iron/bronze
10	Pump body insert	Stainless steel
11	Body gasket	
12	Back bearing	HT200
13	Can brg asm	Stainless steel
14	Can brg asm seal	Silicon rubber
15	Stator cover(front)	PA66
16	Motor stator with winding	
17	Stator cover(back)	PA66
18	Pump shell	ADC12
19	Cable outlet nut	ABS
20	Speed regulation button	ABS
21	Terminal cover	ABS
22	Capacitor	
23	Speed regulation board	
24	Terminal box	PC
25	Flow switch	





LRP15–90A/160

Q-H
Q-P

Application

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

Pump

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

Motor

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

Connectors on request

G1"

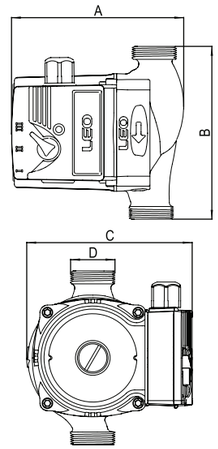
G1½"

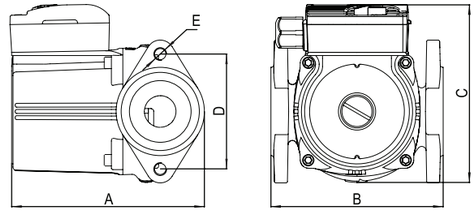
G1¼"

G2"

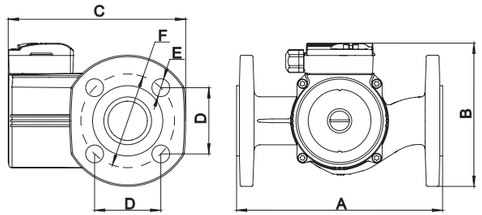
MODEL	A (mm)	B (mm)	C (mm)	D
LRP15-40/130	130	130	125	G1
LRP15-40B/130	130	130	125	G1
LRP20-40/130	130	130	125	G1.2
LRP25-40/130	130	130	125	G1.5
LRP25-40/180	130	180	125	G1.5
LRP32-40/180	135	180	125	G2
LRP15-50/130	130	130	125	G1
LRP15-50B/130	130	130	125	G1
LRP20-50/130	130	130	125	G1.2
LRP25-50/130	130	130	125	G1.5
LRP25-50/180	130	180	125	G1.5
LRP32-50/180	135	180	125	G2
LRP15-60/130	130	130	125	G1
LRP15-60B/130	130	130	125	G1
LRP20-60/130	130	130	125	G1.2
LRP25-60/130	130	130	125	G1.5
LRP25-60/180	130	180	125	G1.5
LRP32-60/180	135	180	125	G2
LRP25-70/130	130	130	125	G1.5
LRP25-70/180	130	180	125	G1.5
LRP32-70/180	135	180	125	G2
LRP25-80/180	154	180	134	G1.5
LRP25-120/180	155	180	148	G1.5
LRP32-80/180	168	180	137	G2

Dimension Drawing





MODEL	A (mm)	B (mm)	C (mm)	D (mm)	E
LRP21-40F/120	130	120	125	80	M10
LRP21-50F/120	130	120	125	80	M10
LRP21-60F/120	130	120	125	80	M10
LRP21-70F/120	130	120	125	80	M10



MODEL	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
LRP32-80F/220	220	150	191.5	70.7	Φ19	Φ100
LRP36-80F/200	200	138	174.5	63.6	Φ11.5	Φ90
LRP40-80F/250	250	155	196.5	77.8	Φ19	Φ110

Identification Codes

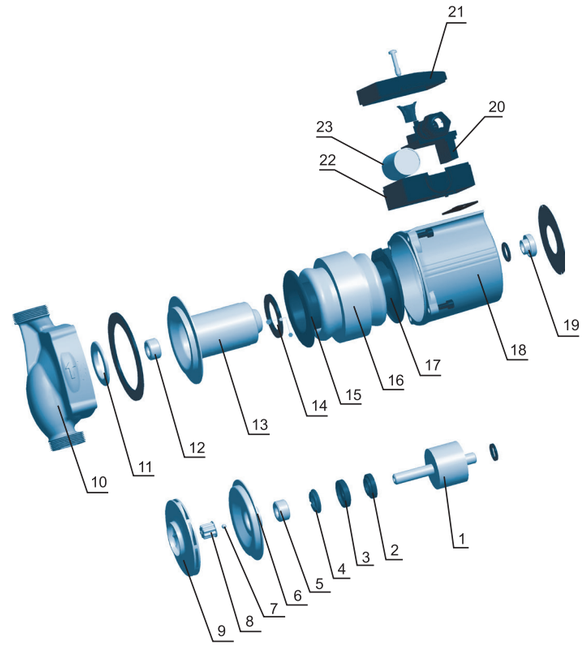
LRP 15 - 50 B / 130

- 130 — Distance between Inlet and Outlet (mm)
- (blank) — No identification=Cast iron pump body & threaded connection
- F — F=Cast iron pump body & flange connection
- B — B=Bronze pump body & threaded connection
- 50 — Max. Head (dm)
- 15 — Inlet/Outlet Diameter (mm)
- LRP — LEO Circulation Pump

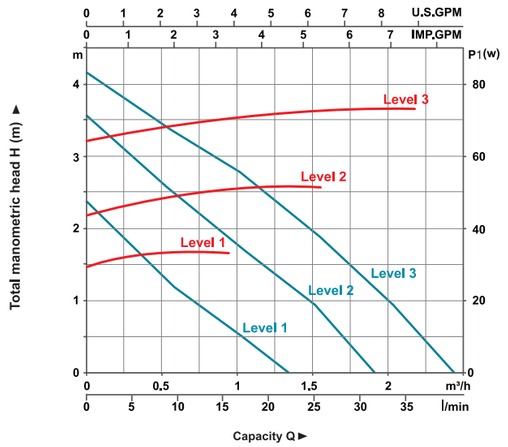
MODEL	POWER	POWER (W)			Max. Flow (l/min)	Max. Head (m)	Inet/Outlet (mm)	Pipe Size (inch)	N.W. (kgs)	G.W. (kgs)	Packing Size (mm)
		3	2	1							
LRP15-40/130	1~230V/50Hz	74	54	34	40/30/22	4.0/3.3/2.3	Φ15	1	2.32	2.45	154x143x153
LRP15-40B/130	1~230V/50Hz	74	54	34	40/30/22	4.0/3.3/2.3	Φ15	1	2.41	2.54	154x143x153
LRP20-40/130	1~230V/50Hz	74	54	34	45/35/25	4.0/3.3/2.3	Φ20	1.5	2.37	2.5	154x143x153
LRP21-40F/120	1~230V/50Hz	74	54	34	55/42/30	4.0/3.3/2.3	Φ21	1.5	2.65	2.78	154x143x153
LRP25-40/130	1~230V/50Hz	74	54	34	52/42/30	4.0/3.3/2.3	Φ25	1.5	2.44	2.57	154x143x153
LRP25-40/180	1~230V/50Hz	74	54	34	55/42/30	4.0/3.3/2.3	Φ25	1.5	2.55	2.705	198x143x160
LRP32-40/180	1~230V/50Hz	74	54	34	55/42/30	4.0/3.3/2.3	Φ32	2	2.73	2.885	198x143x160
LRP15-50/130	1~230V/50Hz	85	60	40	40/32/23	4.5/3.8/2.5	Φ15	1	2.32	2.45	154x143x153
LRP15-50B/130	1~230V/50Hz	85	60	40	40/32/23	4.5/3.8/2.5	Φ15	1	2.41	2.54	154x143x153
LRP20-50/130	1~230V/50Hz	85	60	40	47/37/25	4.5/3.8/2.5	Φ20	1.2	2.37	2.5	154x143x153
LRP21-50F/120	1~230V/50Hz	85	60	40	58/45/32	4.5/3.8/2.5	Φ21	1.2	2.65	2.78	154x143x153
LRP25-50/130	1~230V/50Hz	85	60	40	55/43/28	4.5/3.8/2.5	Φ25	1.5	2.44	2.57	154x143x153
LRP25-50/180	1~230V/50Hz	85	60	40	60/47/32	4.5/3.8/2.5	Φ25	1.5	2.55	2.705	198x143x160
LRP32-50/180	1~230V/50Hz	85	60	40	60/47/32	4.5/3.8/2.5	Φ32	2	2.73	2.885	198x143x160
LRP15-60/130	1~230V/50Hz	96	69	45	40/32/23	5.5/4.5/2.8	Φ15	1	2.32	2.45	154x143x153
LRP15-60B/130	1~230V/50Hz	96	69	45	40/32/23	5.5/4.5/2.8	Φ15	1	2.41	2.54	154x143x153
LRP20-60/130	1~230V/50Hz	96	69	45	53/37/25	5.5/4.5/2.8	Φ20	1.2	2.37	2.5	154x143x153
LRP21-60F/120	1~230V/50Hz	96	69	45	60/45/32	5.5/4.5/2.8	Φ21	1.2	2.65	2.78	154x143x153
LRP25-60/130	1~230V/50Hz	96	69	45	58/43/28	5.5/4.5/2.8	Φ25	1.5	2.44	2.57	154x143x153
LRP25-60/180	1~230V/50Hz	96	69	45	66/47/32	5.5/4.5/2.8	Φ25	1.5	2.55	2.705	198x143x160
LRP32-60/180	1~230V/50Hz	96	69	45	66/47/32	5.5/4.5/2.8	Φ32	2	2.73	2.885	198x143x160
LRP21-70F/120	1~230V/50Hz	150	130	105	67/50/37	6.3/6.0/5.2	Φ21	1.5	2.65	2.805	154x143x153
LRP25-70/130	1~230V/50Hz	150	130	105	67/50/37	6.3/6.0/5.2	Φ25	1.5	2.45	2.605	154x143x153
LRP25-70/180	1~230V/50Hz	150	130	105	67/50/37	6.3/6.0/5.2	Φ25	1.5	2.57	2.725	198x143x160
LRP32-70/180	1~230V/50Hz	150	130	105	67/50/34	6.3/6.0/5.2	Φ32	2	2.75	2.905	198x143x160
LRP25-80/180	1~230V/50Hz	200	190	160	120/100/60	7.1/6.5/5.5	Φ28	1.5	4.23	4.57	192x170x190
LRP32-80/180	1~230V/50Hz	270	245	160	167/100/60	7.3/6.7/5.4	Φ42	2	4.62	4.96	192x170x190
LRP32-80F/220	1~230V/50Hz	270	245	160	170/113/65	7.3/6.7/5.4	Φ42	2	4.75	5.09	192x170x190
LRP36-80F/200	1~230V/50Hz	270	245	160	170/113/65	7.3/6.7/5.4	Φ42	2	7.57	8	235x181x207
LRP40-80F/250	1~230V/50Hz	270	245	160	170/113/65	7.3/6.7/5.4	Φ42	2	5.98	6.36	214x170x190
LRP25-120/180	1~230V/50Hz	270	245	160	67/38/22.5	11.5/10/6.3	Φ18	1.5	8.27	8.74	192x170x190

Materials Table

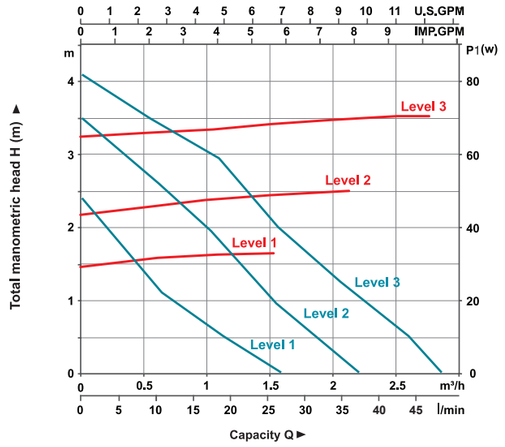
No.	Part	Material
1	Rotor	
2	Thrust bearing adjusting mat	Noryl
3	Thrust bearing rubber mat	Silicon rubber
4	Thrust bearing	Graphite
5	Front bearing	Alumina
6	Pump support cover	Stainless steel
7	Check ball	Silicon rubber
8	Locking	Stainless steel
9	Impeller	PPO
10	Pump body	Cast iron/Bronze
11	Pump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



Hydraulic Performance Curves

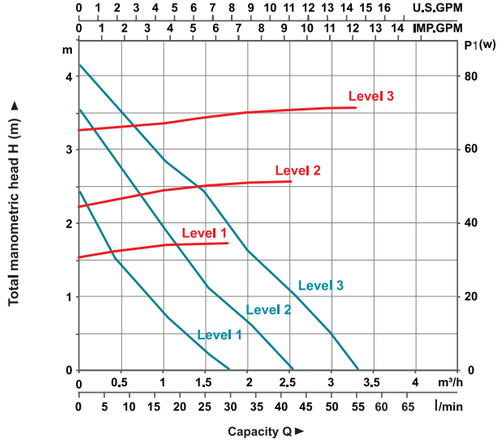


LRP15-40B/130
LRP15-40/130
Q-H
Q-P

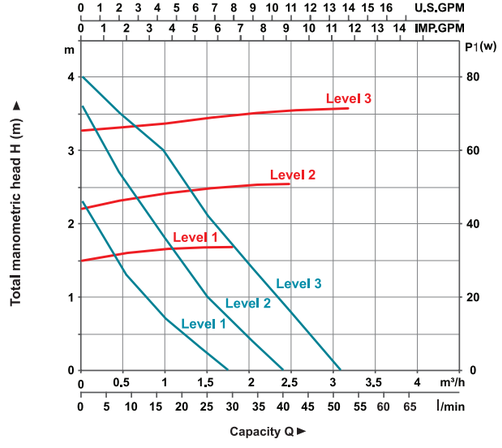


LRP20-40/130
Q-H
Q-P

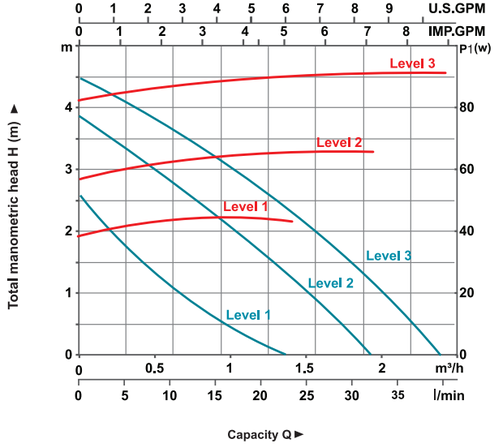
Hydraulic Performance Curves



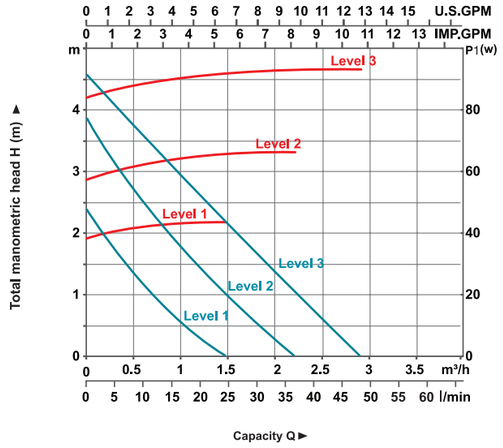
LRP21-40F/120
Q-H
Q-P



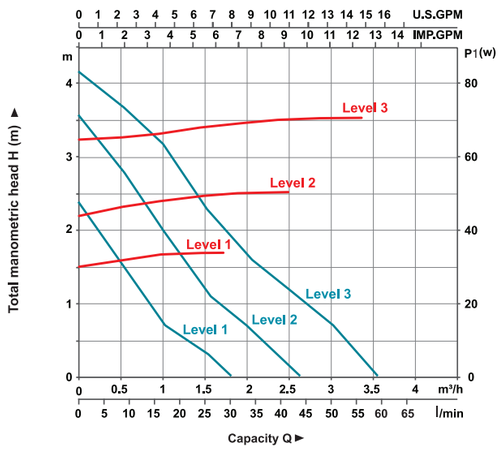
LRP25-40/130
Q-H
Q-P



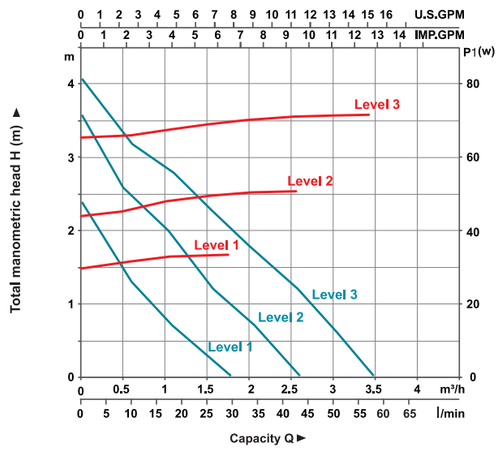
LRP15-50B/130
LRP15-50/130
Q-H
Q-P



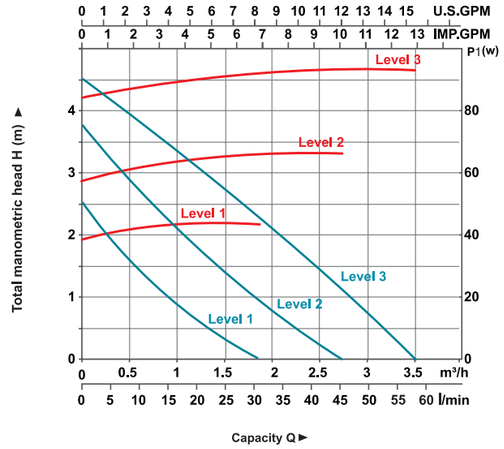
LRP20-50/130
Q-H
Q-P



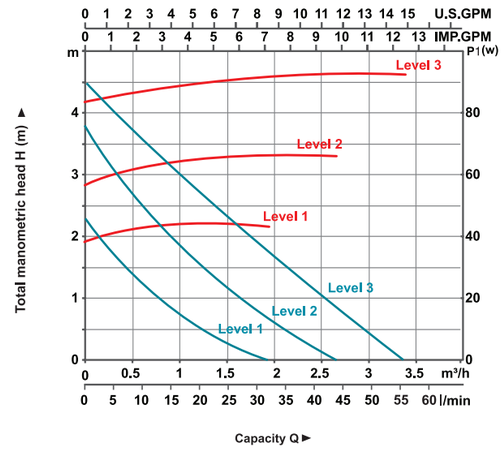
LRP25-40/180
Q-H
Q-P



LRP32-40/180
Q-H
Q-P

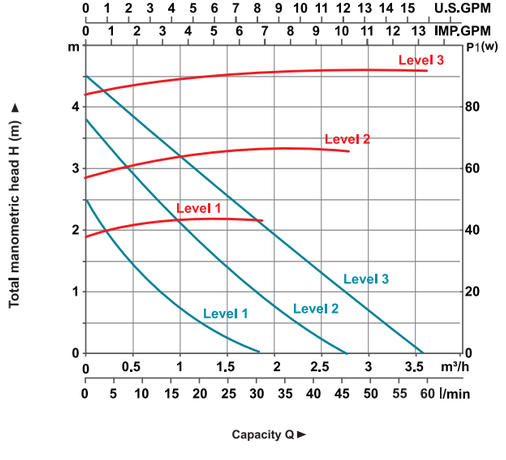


LRP21-50F/120
Q-H
Q-P



LRP25-50/130
Q-H
Q-P

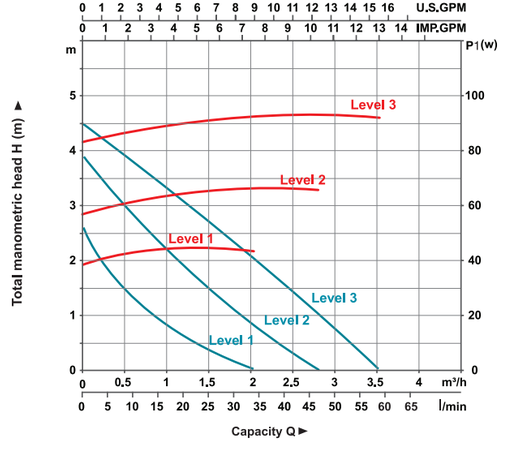
Hydraulic Performance Curves



LRP25-50/180

Q-H

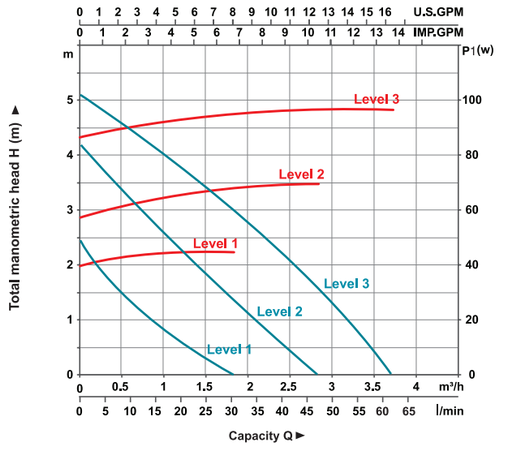
Q-P



LRP32-50/180

Q-H

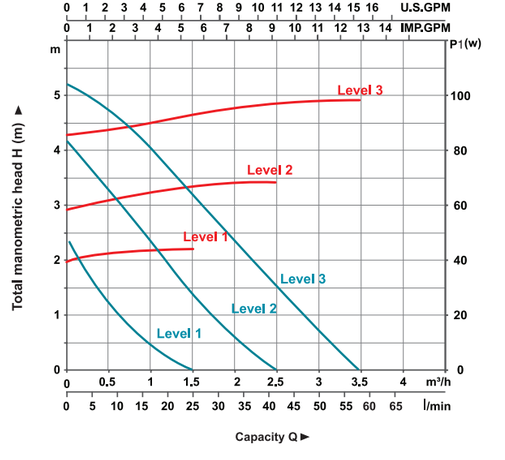
Q-P



LRP21-60F/120

Q-H

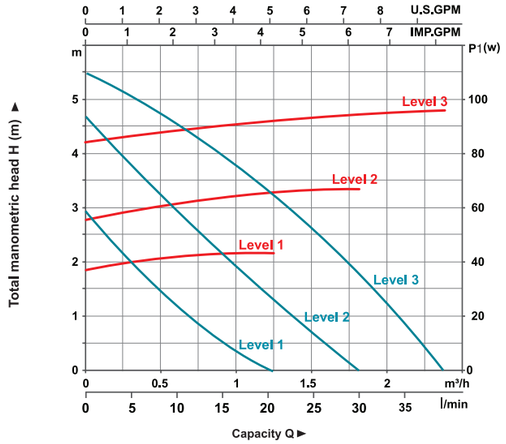
Q-P



LRP25-60/130

Q-H

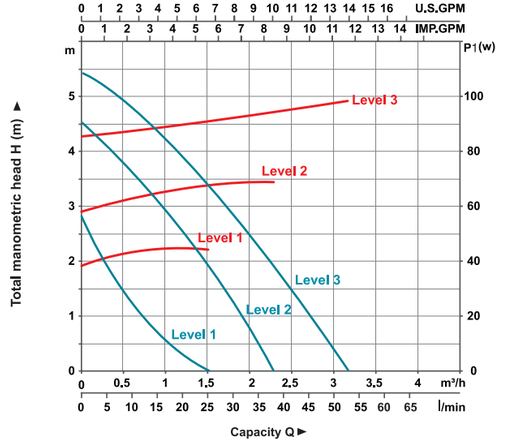
Q-P



LRP15-60B/130
LRP15-60/130

Q-H

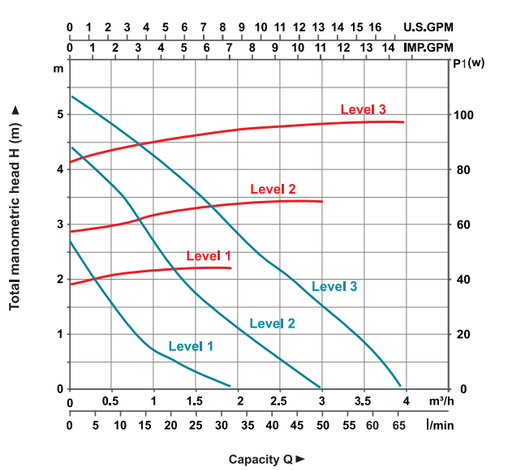
Q-P



LRP20-60/130

Q-H

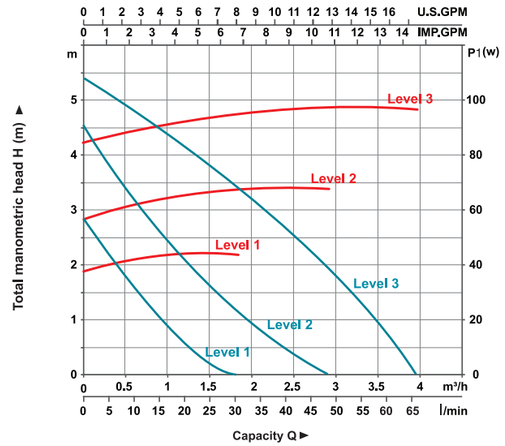
Q-P



LRP25-60/180

Q-H

Q-P

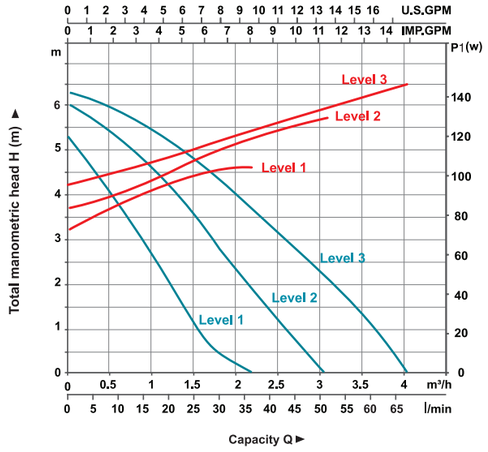


LRP32-60/180

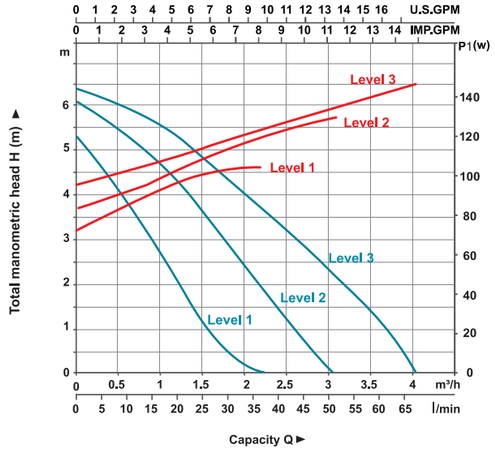
Q-H

Q-P

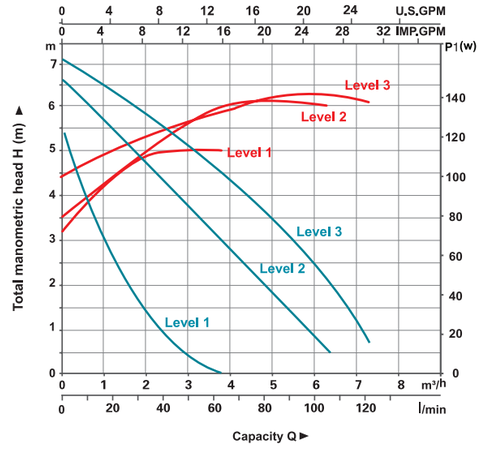
Hydraulic Performance Curves



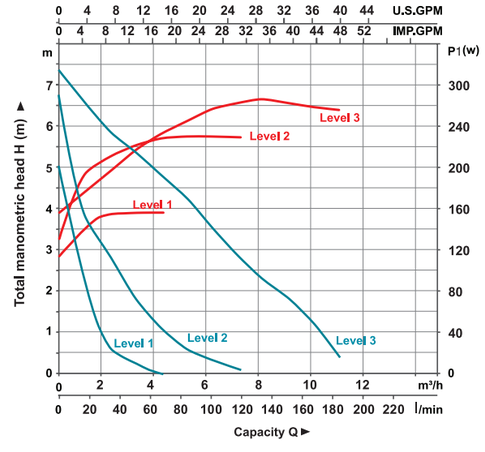
LRP21-70F/120
Q-H
Q-P



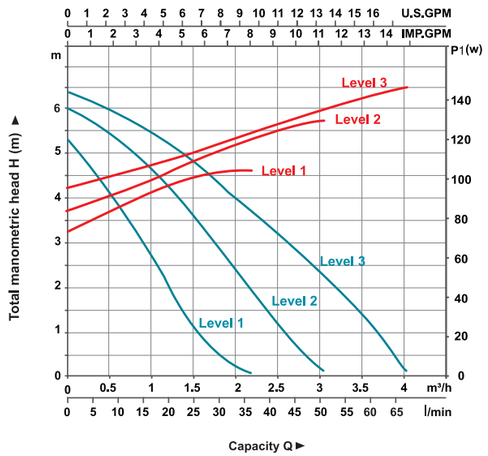
LRP25-70/130
Q-H
Q-P



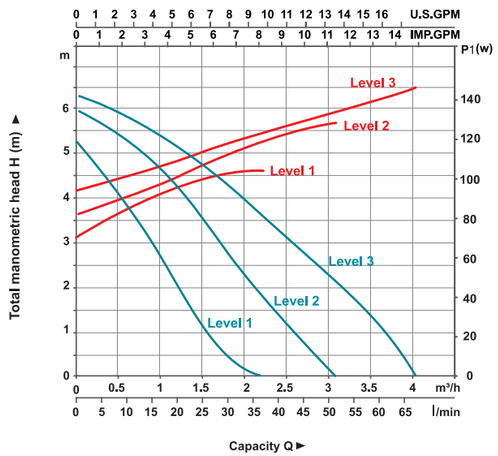
LRP25-80/180
Q-H
Q-P



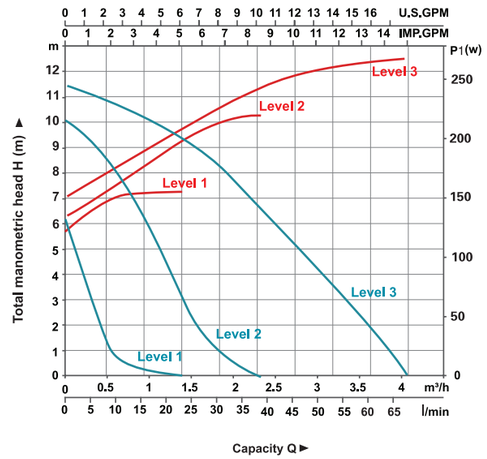
LRP32-80/180
LRP32-80F/220
LRP36-80F/200
LRP40-80F/250
Q-H
Q-P



LRP25-70/180
Q-H
Q-P



LRP32-70/180
Q-H
Q-P



LRP25-120/180
Q-H
Q-P