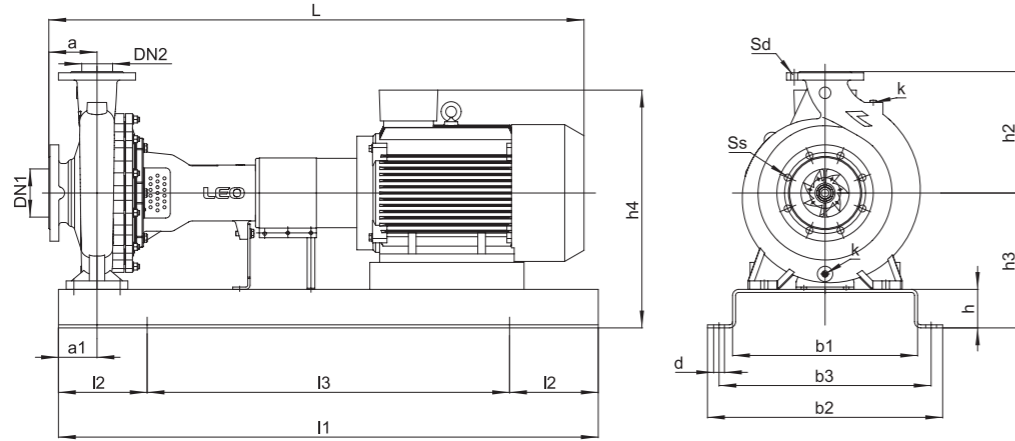


Dimension



Model	DN1	a	a1	h4	L	l1	l2	l3	DN2	Ss	Sd	h2	h3	h	d	b1	b3	b2	k																							
LEN125-80-200	125	125	100	468	1128	1120	190	740	80	8-018	8-018	250	280	380	440	490	R3/8																									
LEN125-80-200A				449	1053																																					
LEN125-80-200B				431	1035																																					
LEN125-80-200C				567	1265	1166	1250	205				840	80	280	325	430				490	540																					
LEN125-80-200D																						617	1388	1400	230	940																
LEN125-80-200E																							1350																			
LEN125-80-250				125	125	100	513	1128				1250	205	840	80	8-018				280	325	430	490	540	R3/8																	
LEN125-80-250A																												592	1309	1400	230	940										
LEN125-80-250B																													1265													
LEN125-80-250C							488	1128				1120	190	740						80	280	325	430	490				540														
LEN125-80-250D																													617	1388	1400	230	940									
LEN125-80-250E																														1350												
LEN125-100-200							125	125				100	488	1128						1120	190	740	80	8-018				300	100	4-024	380	440	490	R3/8								
LEN125-100-200A																																					469	1053	1324	1400	230	940
LEN125-100-200B																																										
LEN125-100-200C	513	1181	1400						230	940																																
LEN125-100-200D											617		1365																													
LEN125-100-250	125	125	100						513	1181	1400		230	940			80	8-018	280	325	4-024	430						490	540	R3/8												
LEN125-100-250A																																	649				1462	1400	230	940		
LEN125-100-250B																																									592	1324
LEN125-100-250C									617	1403	1400		230	940																												
LEN125-100-250D				1365																																						
LEN125-100-250E				592	1324	1400			230	940	100		280	325	4-024	430			490	540																						
LEN125-100-250F																					617	1403			1400	230	940															
LEN125-100-315																												1365														
LEN125-100-315A				150	150	125			617	1365	1400		230	940	80	8-022			355	355	4-028	480			550	610	R3/8															
LEN125-100-315B																																	592				1324	1400	230	940		
LEN125-100-315C							513	1181				1400											230	940										100	280	325					4-024	430
LEN125-100-315D									617	1403	1400		230	940																												
LEN125-100-315E																			1365																							
LEN150-125-250							150	150	125	592	1324	1400	230	940					80	8-022	355	355	4-028	480	550	610							R3/8									
LEN150-125-250A																																				617	1403	1400	230	940		
LEN150-125-250B	513	1181	1400														230	940												100	280	325									4-024	430
LEN150-125-250C										617	1403	1400	230	940																												
LEN150-125-250D																					1365																					
LEN150-125-250E	592	1324	1400							230	940	100	280	325			4-024	430			490	540																				

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°C
- 99% alumina ceramic shaft
- Liquid temperature: 2°C - 60°C

Motor

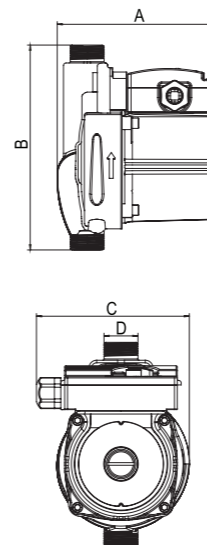
- Insulation class: H
- Protection class: IP42
- 99% alumina ceramic bearing
- Copper winding



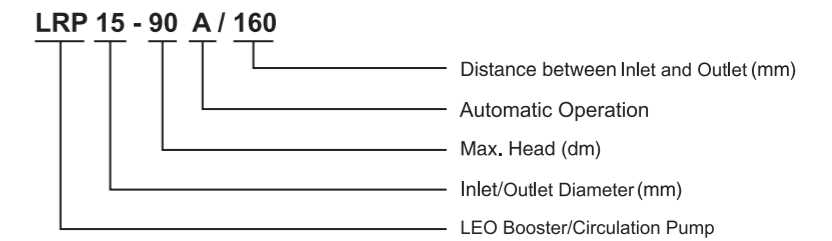
Connectors on request



Dimension Drawing



Identification Codes

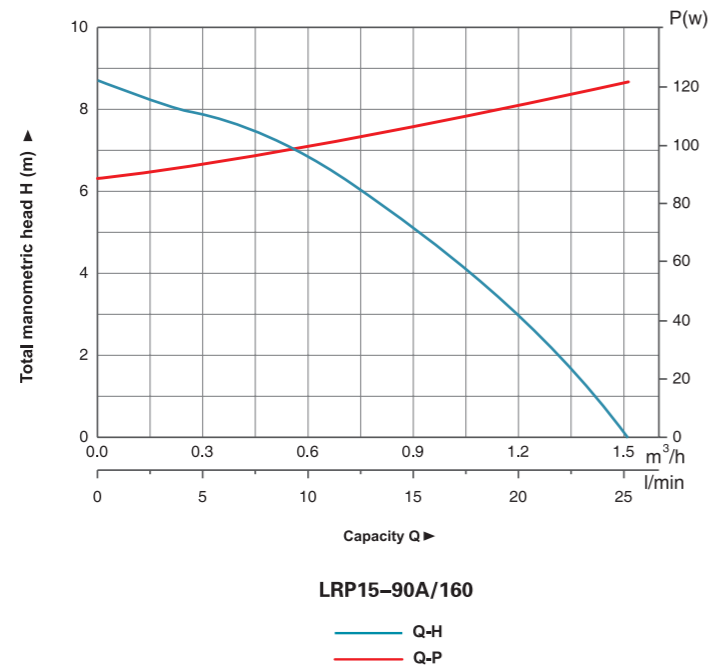
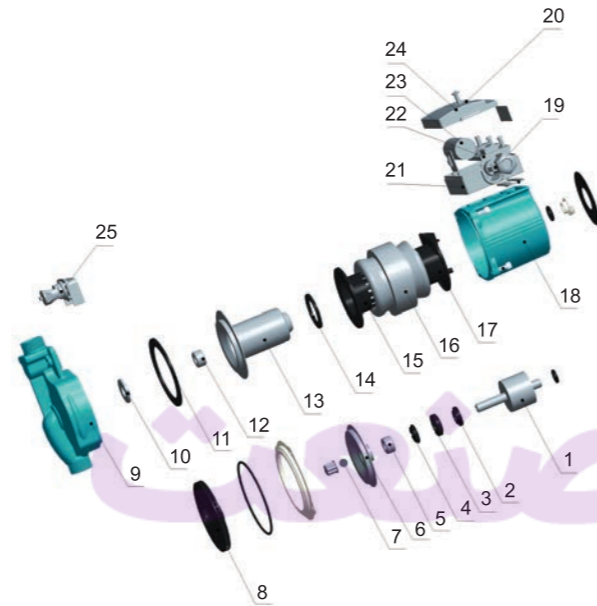


MODEL	A (mm)	B (mm)	C (mm)	D
LRP15-90A/160	129	160	120	G ^{3/4}

MODEL	Voltage/Frequency	Power(W)	Max. Flow (l/min)	Max. Head (m)	Inlet/Outlet (mm)	Pipe Size (inch)
LRP15-90A/160	1~230V/50Hz	123	25	9	Φ15	1/2

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	Rear 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	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	



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°C
- 99% alumina ceramic shaft
- Liquid temperature: 2°C - 110°C

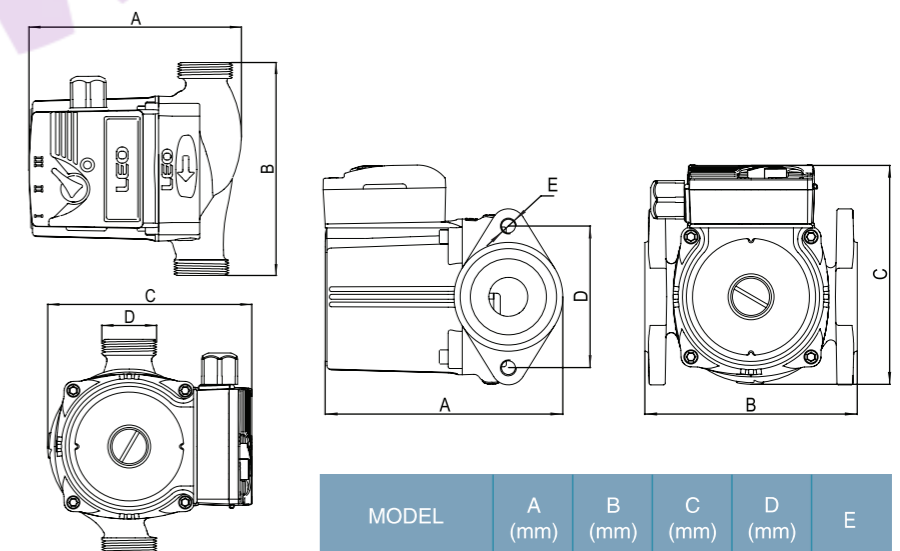
Motor

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

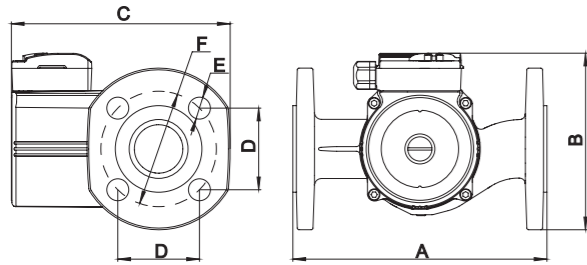


MODEL	A (mm)	B (mm)	C (mm)	D
LRP15-40/130	130	130	125	G1
LRP15-40B/130	130	130	125	G1
LRP20-40/130	130	130	125	G1.25
LRP25-40/130	130	130	125	G1.5
LRP25-40/180	130	180	125	G1.5
LRP32-40/180	135	180	125	G2
LRP15-50/130	130	130	125	G1
LRP15-50B/130	130	130	125	G1
LRP20-50/130	130	130	125	G1.25
LRP25-50/130	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	G1.25
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



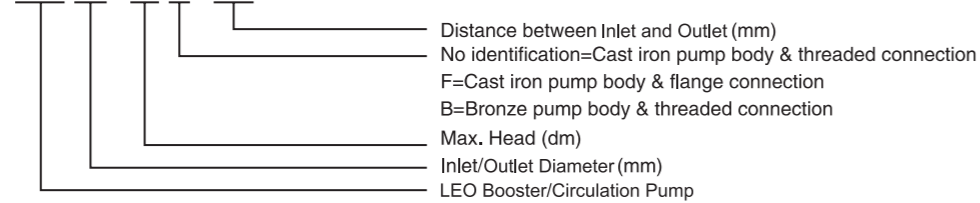
MODEL	A (mm)	B (mm)	C (mm)	D (mm)	E
LRP21-40F/120	130	120	125	80	M10
LRP21-50F/120	130	120	125	80	M10
LRP21-60F/120	130	120	125	80	M10
LRP21-70F/120	130	120	125	80	M10



MODEL	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
LRP32-80F/220	220	150	191.5	70.7	Ø19	Ø100
LRP36-80F/200	200	138	174.5	63.6	Ø11.5	Ø90
LRP40-80F/250	250	155	196.5	77.8	Ø19	Ø110

Identification Codes

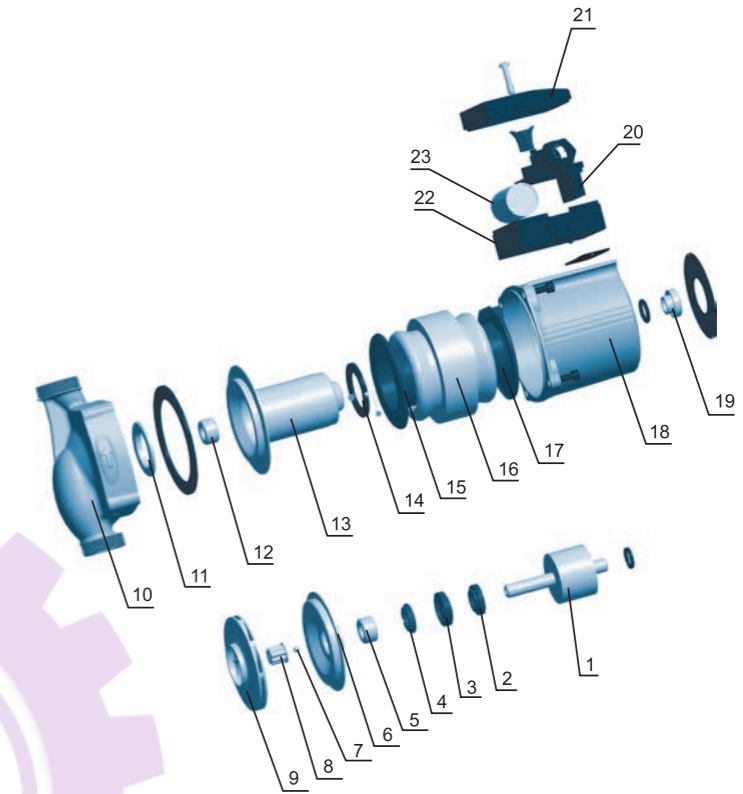
LRP 15 - 50 B / 130



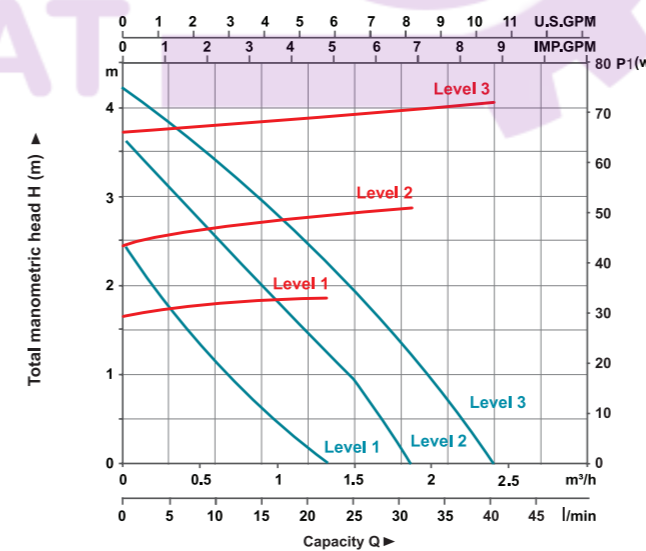
MODEL	POWER	POWER (W)			Max. Flow (l/min)	Max. Head (m)	Inlet/Outlet (mm)	Pipe Size (inch)	N.W. (kgs)	G.W. (kgs)	Packing Size (mm)
		3	2	1							
LRP15-40/130	1~230V/50Hz	74	54	34	40/30/22	4.0/3.3/2.3	Ø15	1	2.32	2.45	154x143x153
LRP15-40B/130	1~230V/50Hz	74	54	34	40/30/22	4.0/3.3/2.3	Ø15	1	2.41	2.54	154x143x153
LRP20-40/130	1~230V/50Hz	74	54	34	45/35/25	4.0/3.3/2.3	Ø20	1.25	2.37	2.5	154x143x153
LRP21-40F/120	1~230V/50Hz	74	54	34	55/42/30	4.0/3.3/2.3	Ø21	1.25	2.65	2.78	154x143x153
LRP25-40/130	1~230V/50Hz	74	54	34	52/42/30	4.0/3.3/2.3	Ø25	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	Ø25	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	Ø32	2	2.73	2.885	198x143x160
LRP15-50/130	1~230V/50Hz	85	60	40	40/32/23	4.5/3.8/2.5	Ø15	1	2.32	2.45	154x143x153
LRP15-50B/130	1~230V/50Hz	85	60	40	40/32/23	4.5/3.8/2.5	Ø15	1	2.41	2.54	154x143x153
LRP20-50/130	1~230V/50Hz	85	60	40	47/37/25	4.5/3.8/2.5	Ø20	1.25	2.37	2.5	154x143x153
LRP21-50F/120	1~230V/50Hz	85	60	40	58/45/32	4.5/3.8/2.5	Ø21	1.25	2.65	2.78	154x143x153
LRP25-50/130	1~230V/50Hz	85	60	40	55/43/28	4.5/3.8/2.5	Ø25	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	Ø25	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	Ø32	2	2.73	2.885	198x143x160
LRP15-60/130	1~230V/50Hz	96	69	45	40/32/23	5.5/4.5/2.8	Ø15	1	2.32	2.45	154x143x153
LRP15-60B/130	1~230V/50Hz	96	69	45	40/32/23	5.5/4.5/2.8	Ø15	1	2.41	2.54	154x143x153
LRP20-60/130	1~230V/50Hz	96	69	45	53/37/25	5.5/4.5/2.8	Ø20	1.25	2.37	2.5	154x143x153
LRP21-60F/120	1~230V/50Hz	96	69	45	60/45/32	5.5/4.5/2.8	Ø21	1.25	2.65	2.78	154x143x153
LRP25-60/130	1~230V/50Hz	96	69	45	58/43/28	5.5/4.5/2.8	Ø25	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	Ø25	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	Ø32	2	2.73	2.885	198x143x160
LRP21-70F/120	1~230V/50Hz	150	130	105	67/50/37	6.3/6.0/5.2	Ø21	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	Ø25	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	Ø25	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	Ø32	2	2.75	2.905	198x143x160
LRP25-80/180	1~230V/50Hz	200	190	160	120/100/60	7.1/6.5/5.5	Ø28	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	Ø42	2	4.75	5.09	192x170x190
LRP32-80F/220	1~230V/50Hz	270	245	160	170/113/65	7.3/6.7/5.4	Ø42	2	7.57	8	235x181x207
LRP36-80F/200	1~230V/50Hz	270	245	160	170/113/65	7.3/6.7/5.4	Ø42	2	5.98	6.36	214x170x190
LRP40-80F/250	1~230V/50Hz	270	245	160	170/113/65	7.3/6.7/5.4	Ø42	2	8.27	8.74	264x186x212
LRP25-120/180	1~230V/50Hz	270	245	160	67/38/22.5	11.5/10/6.3	Ø18	1.5	4.62	4.96	192x170x190

Materials Table

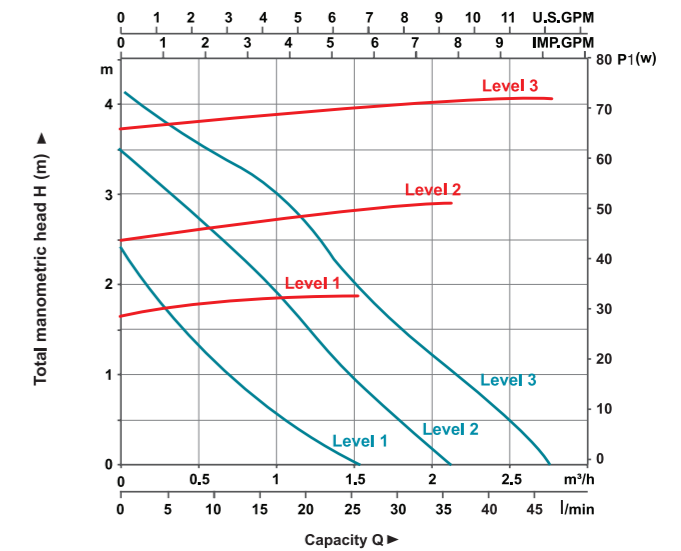
No.	Part	Material
1	Rotor	
2	Thrust bearing adjusting mat	Noryl
3	Thrust bearing rubber mat	Silicon rubber
4	Thrust bearing	Graphite
5	Front bearing	Alumina
6	Pump support cover	Stainless steel
7	Check ball	Silicon rubber
8	Locking	Stainless steel
9	Impeller	PPO
10	Pump body	Cast iron/Bronze
11	Pump 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	Housing	ADC12
19	Drain plug	Copper
20	Speed regulation board	
21	Terminal cover	ABS
22	Terminal box	PC
23	Capacitor	



Hydraulic Performance Curves

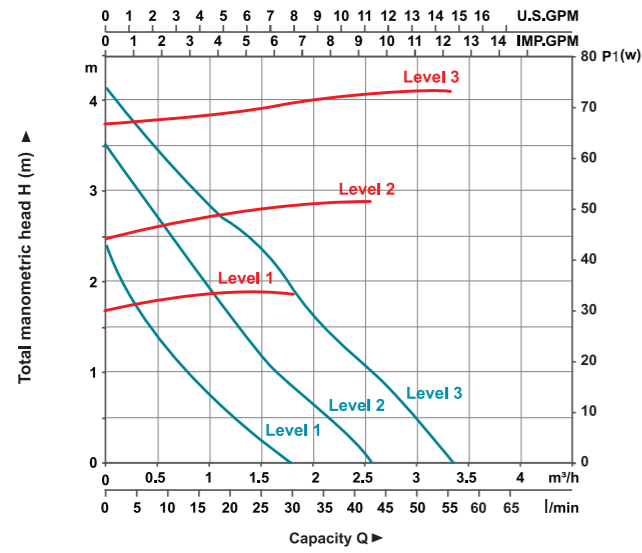


LRP15-40B/130
LRP15-40/130
— Q-H
— Q-P

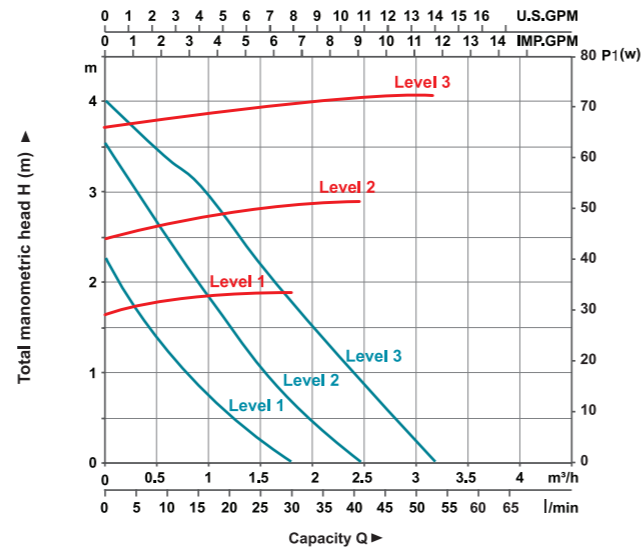


LRP20-40/130
— Q-H
— Q-P

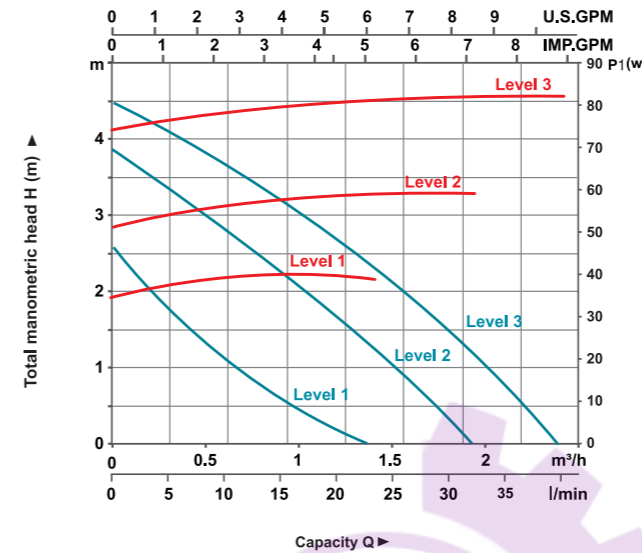
Hydraulic Performance Curves



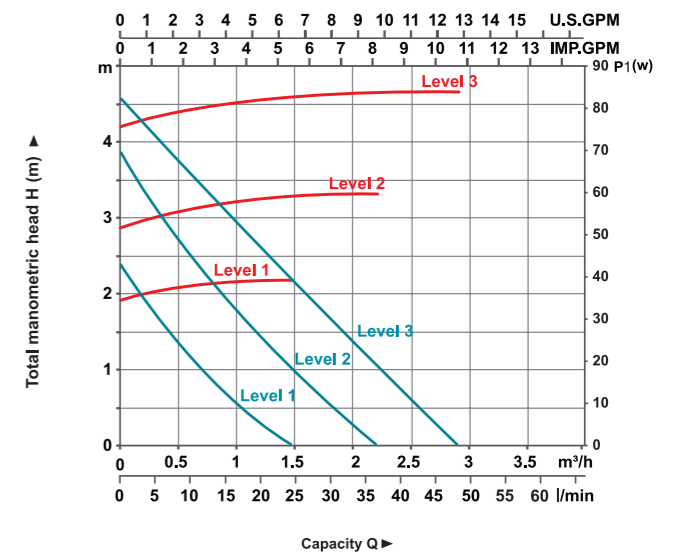
LRP21-40F/120
— Q-H
— Q-P



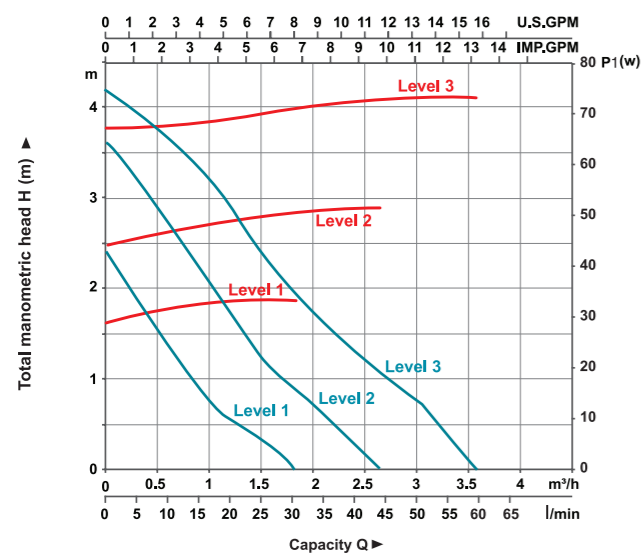
LRP25-40/130
— Q-H
— Q-P



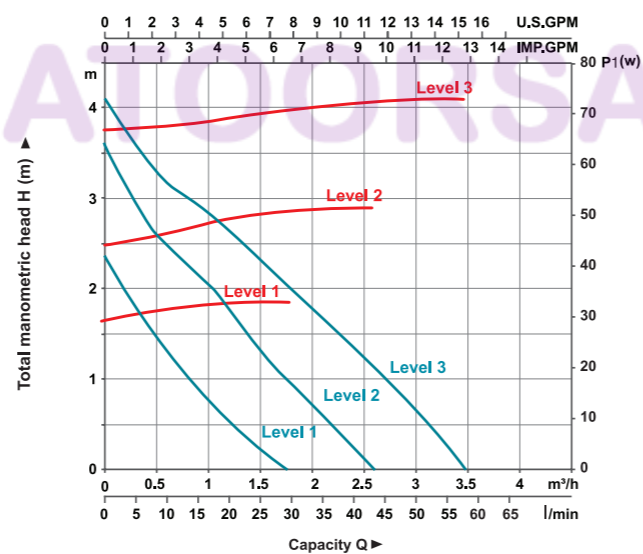
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LRP15-50/130
— Q-H
— Q-P



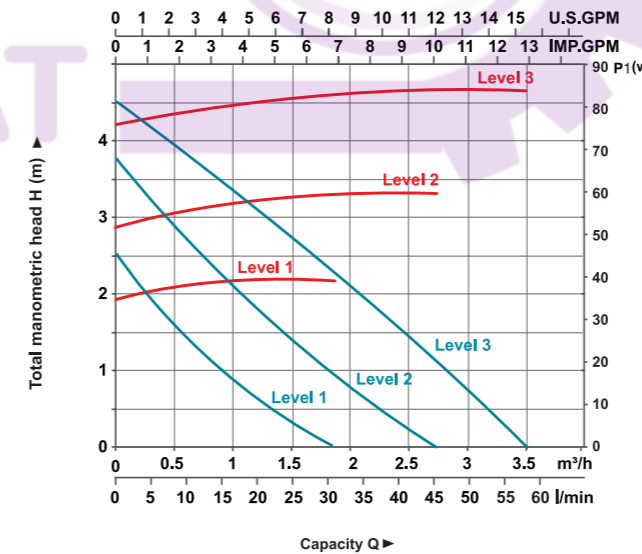
LRP20-50/130
— Q-H
— Q-P



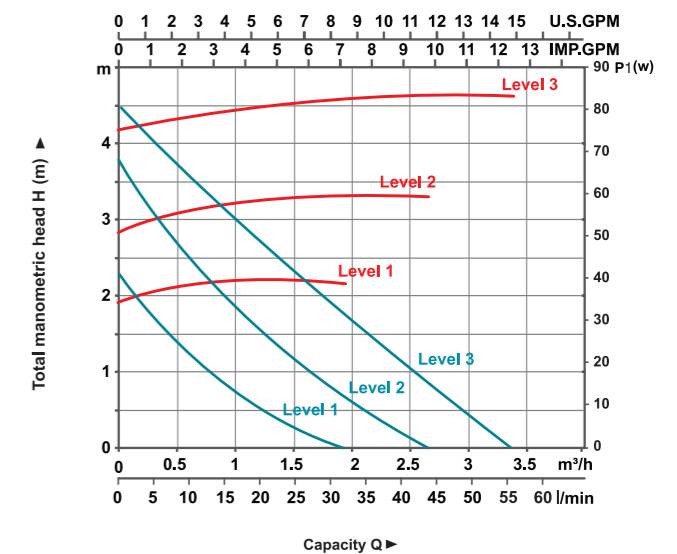
LRP25-40/180
— Q-H
— Q-P



LRP32-40/180
— Q-H
— Q-P

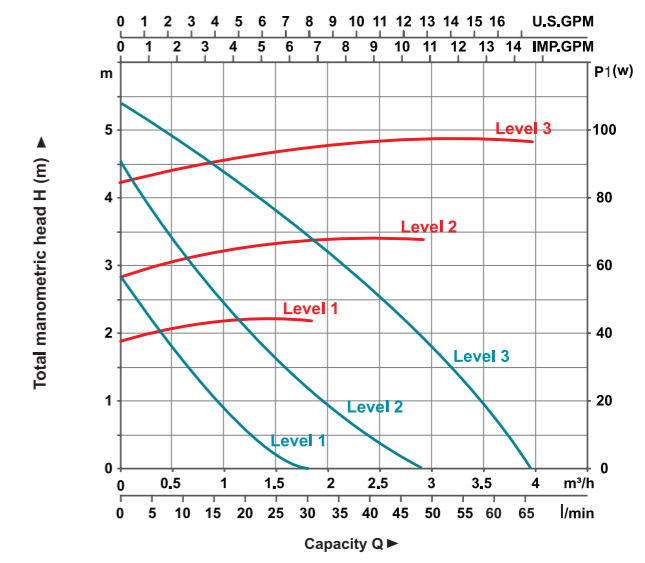
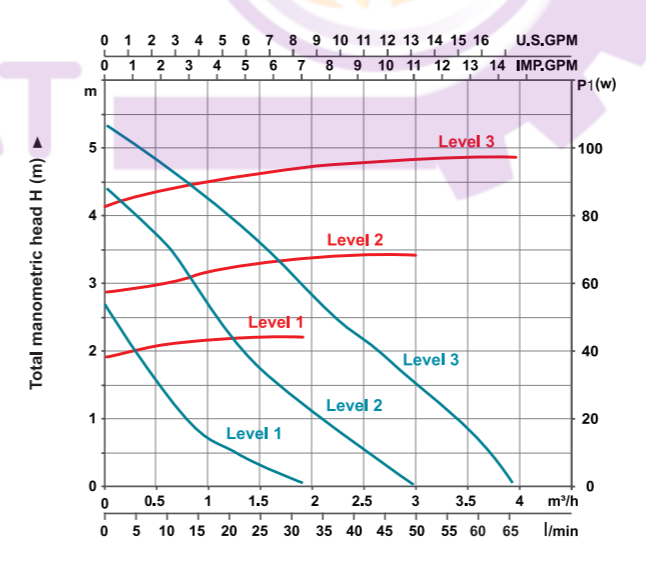
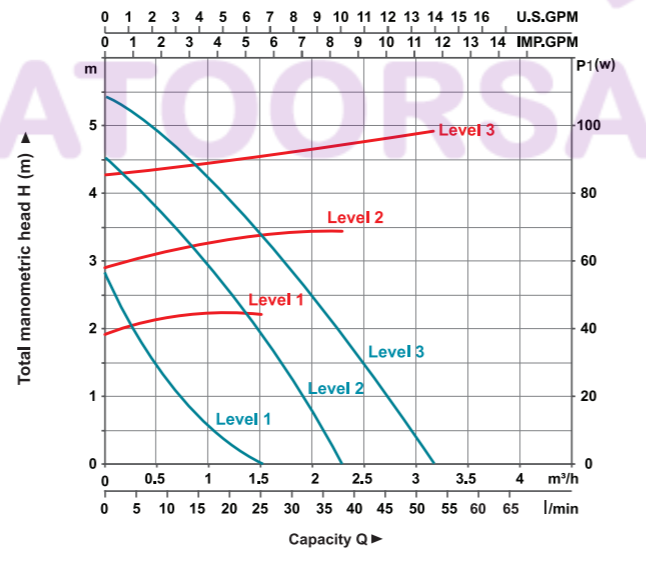
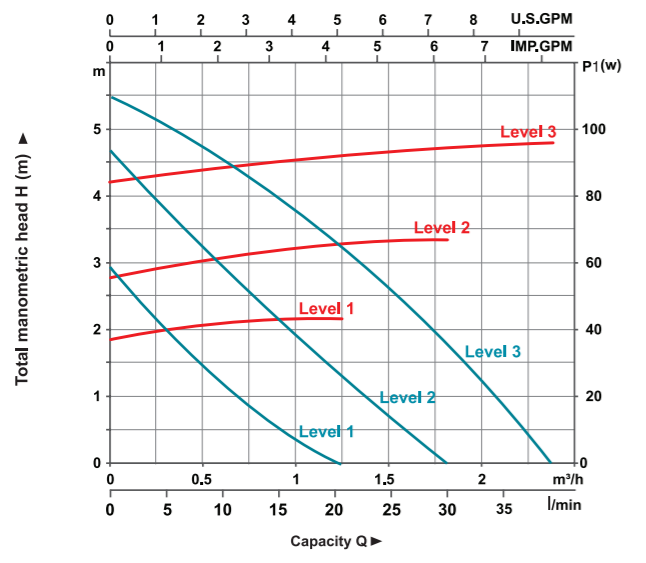
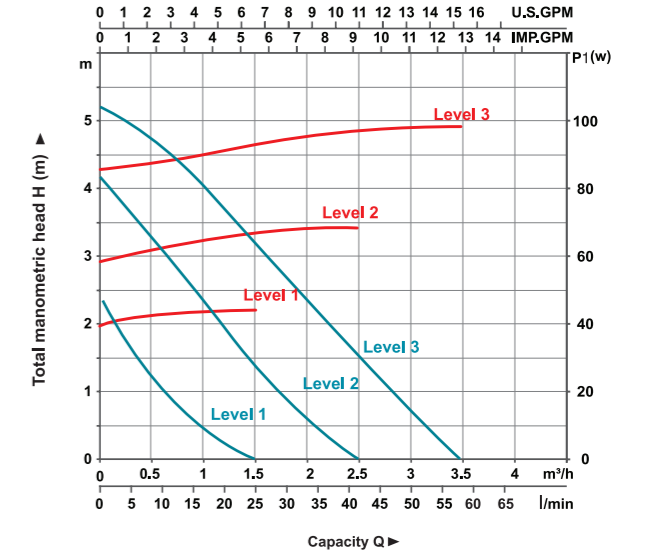
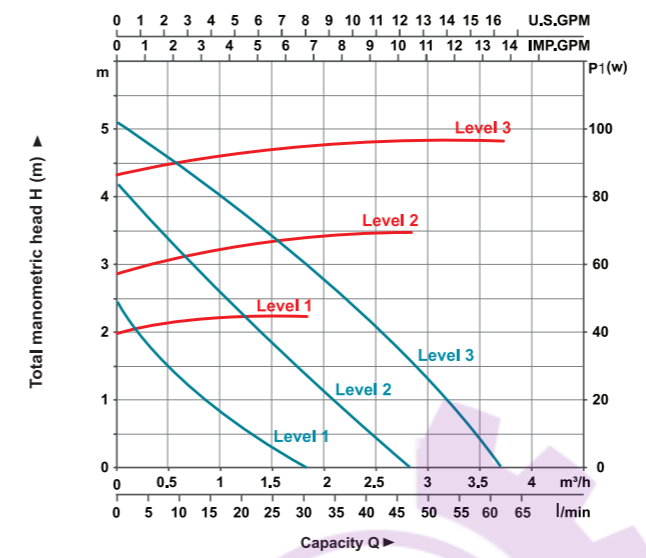
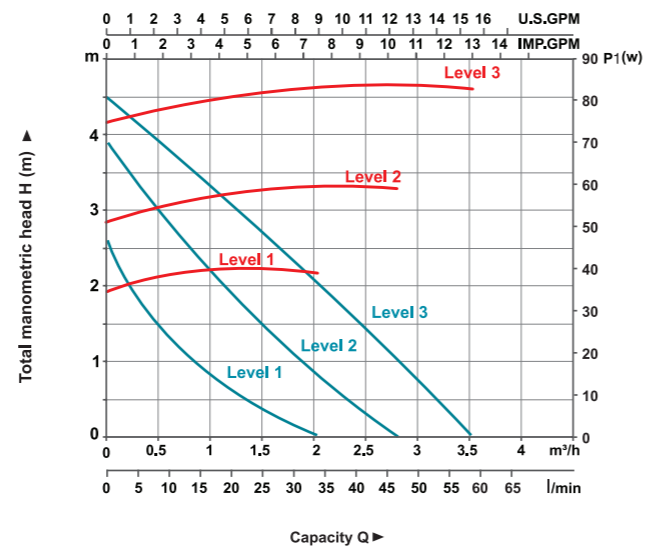
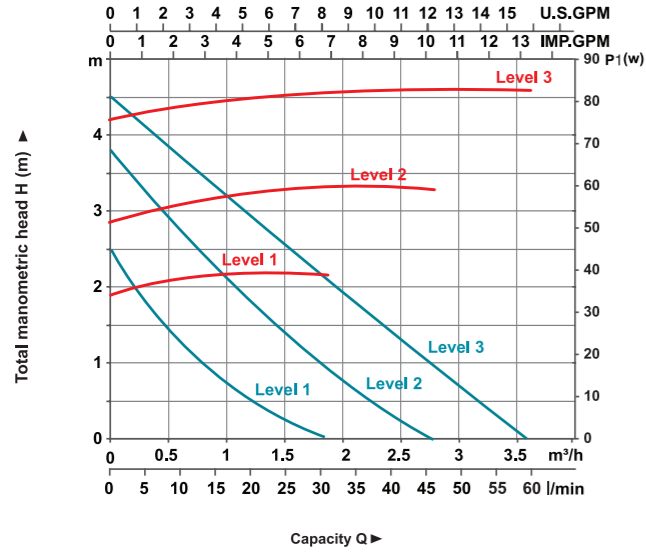


LRP21-50F/120
— Q-H
— Q-P

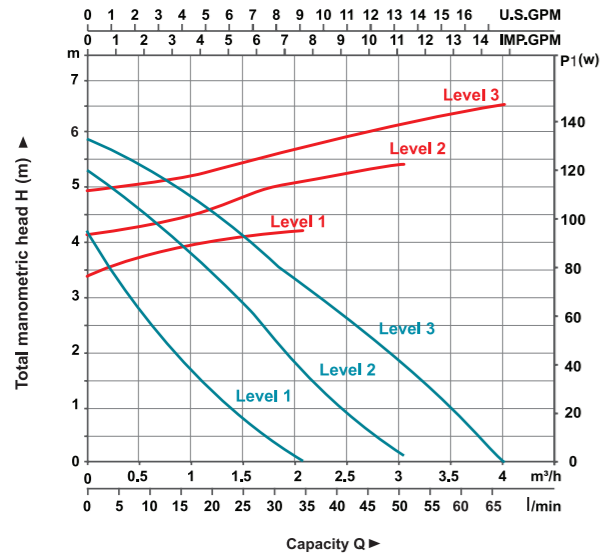


LRP25-50/130
— Q-H
— Q-P

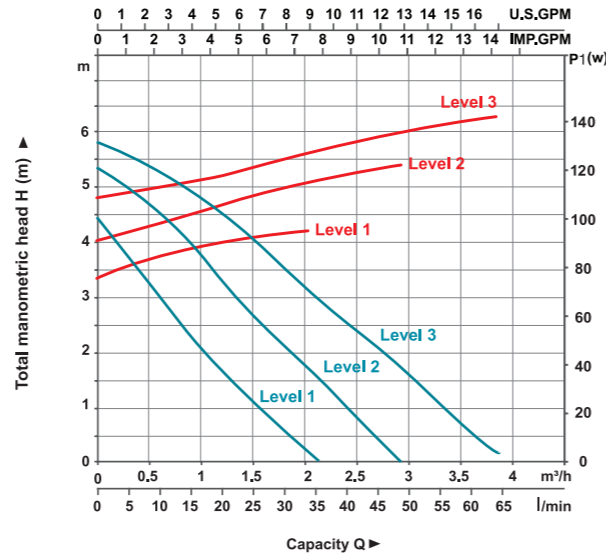
Hydraulic Performance Curves



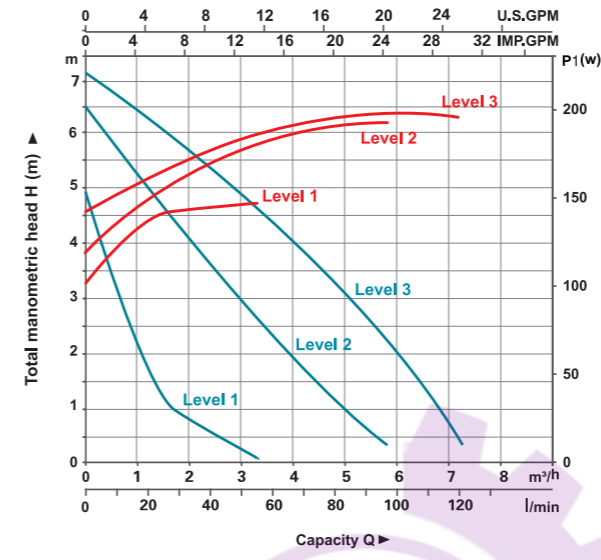
Hydraulic Performance Curves



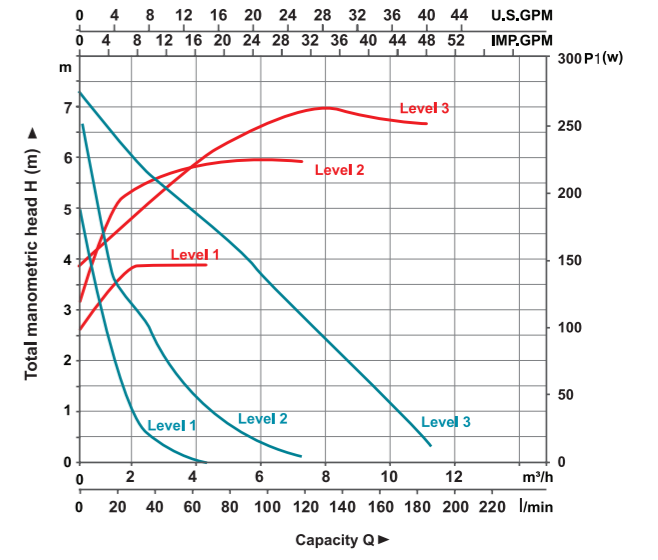
LRP21-70F/120
— Q-H
— Q-P



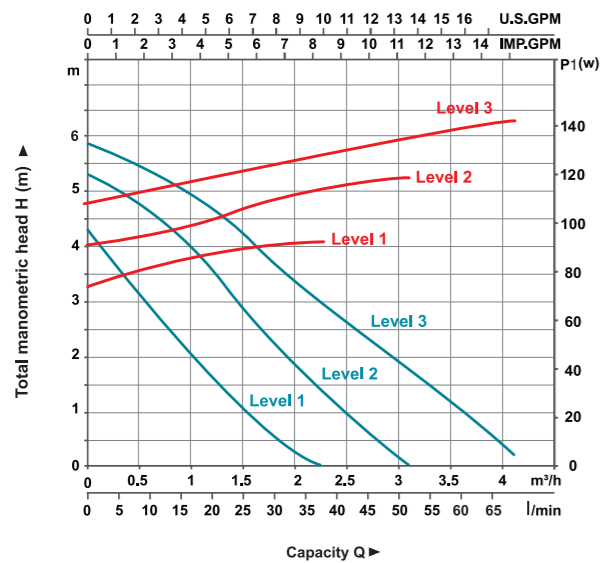
LRP25-70/130
— Q-H
— Q-P



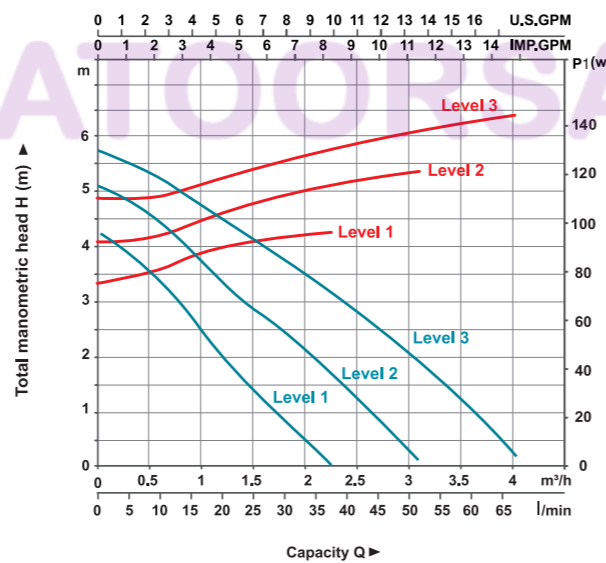
LRP25-80/180
— Q-H
— Q-P



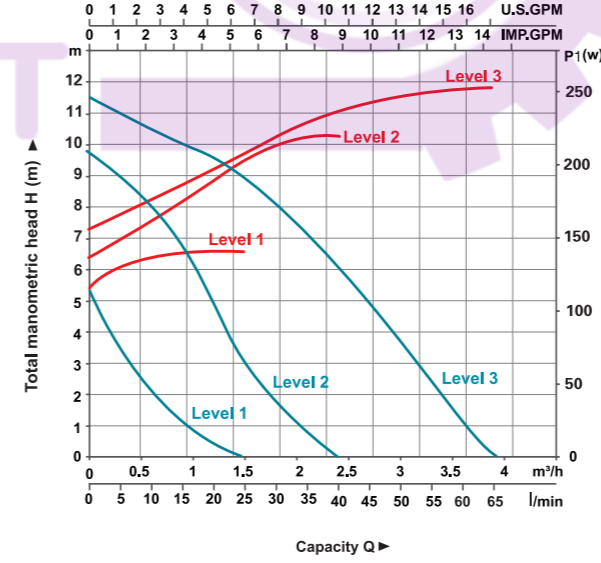
LRP32-80/180
LRP32-80F/220
LRP36-80F/200
— Q-H
— Q-P



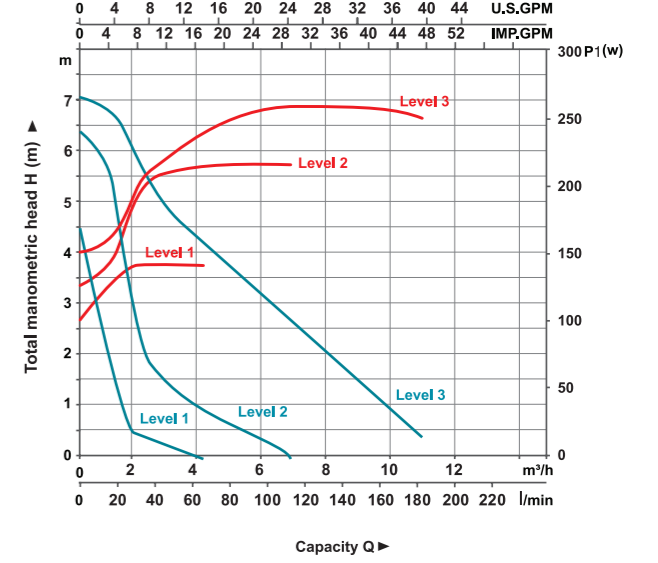
LRP25-70/180
— Q-H
— Q-P



LRP32-70/180
— Q-H
— Q-P



LRP25-120/180
— Q-H
— Q-P



LRP40-80F/250
— Q-H
— Q-P





Application

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

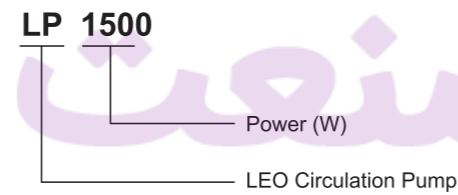
Pump

- 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

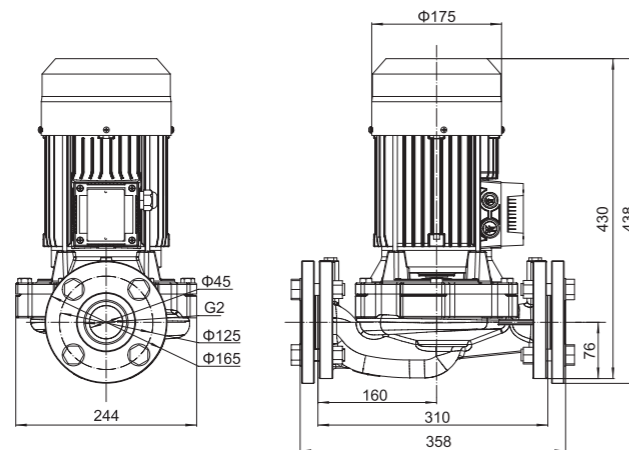
Identification Codes



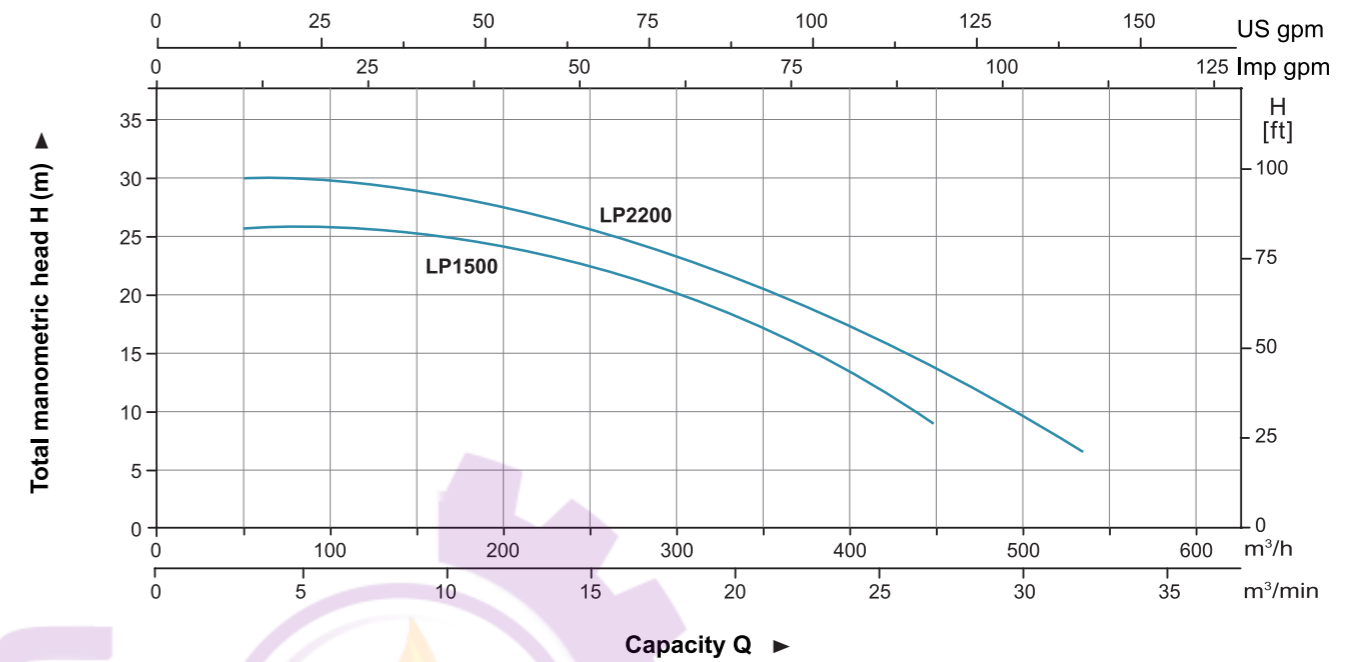
Technical Data

Model	Power		Q(m³/h) Q(l/min)	0	6	9	12	15	18	21	24	30	32
	kW	HP		0	100	150	200	250	300	350	400	500	533
LP1500	1.5	2	H (m)	26	25	24	23	21	19	17	13	5	0
LP2200	2.2	3		34	33	32	30	28	26	23	20	12	8

Dimension

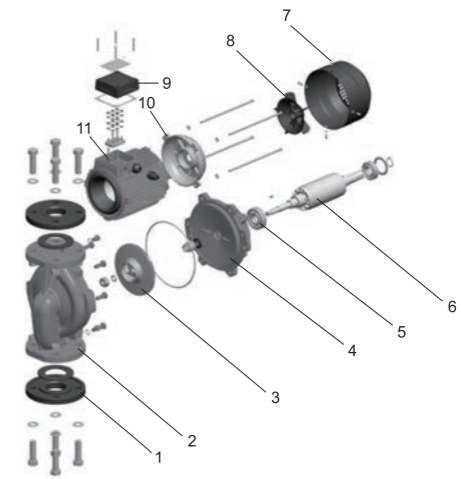


Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Flange	HT 200
2	Pump body	HT 200
3	Impeller	Brass
4	Support	HT 200
5	Bearing	
6	Rotor	
7	Fan cover	08F
8	Fan	PP
9	Terminal box	ABS
10	Rear cover	ZL102
11	Stator	



Package Information

Model	G.W (kg)	L (mm)	W (mm)	H (mm)
LP1500	37	450	325	375
LP2200	38.8	450	325	375

