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
- Enclosures class: IP44
- 99% alumina ceramic bearing
- Copper winding
- Three speed motor

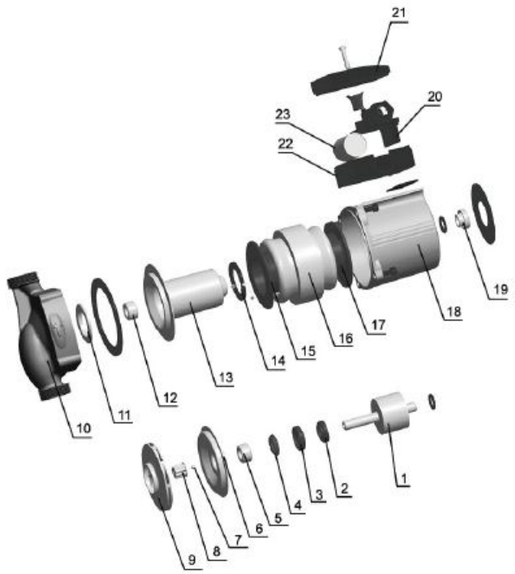
Identification Codes

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

Material Table

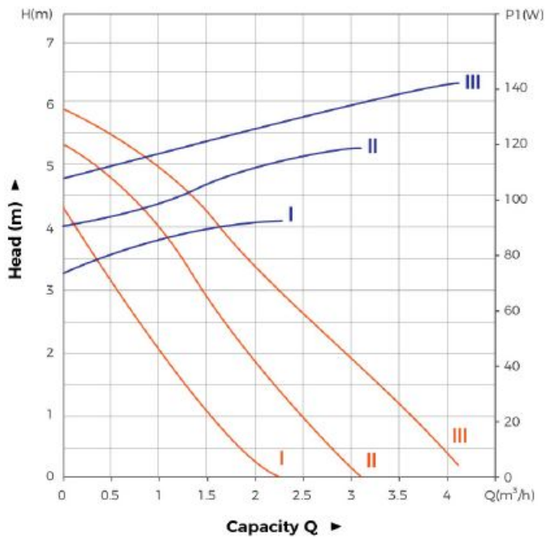
No.	Part	Material
1	Rotor	
2	Thrust bearing adjusting mat	Noryl
3	Thrust ring support	Sillicon rubber
4	Bushings	Graphite
5	Front bearing	Alumina
6	Pump support cover	Stainless steel
7	Check ball	Sillicon rubber
8	Locking	Stainless steel
9	Impeller	PPO
10	Pump body	Cast iron/Brass
11	Pump body insert	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	



Technical Data

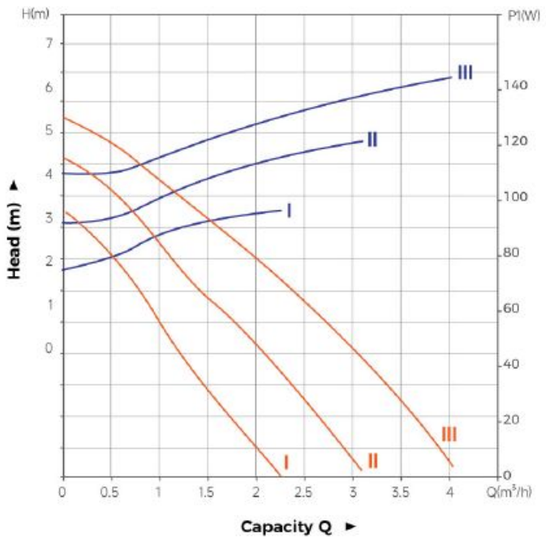
Model	Voltage /Frequency (V/Hz)	Power(W)			Current (A)			Max. Flow(m^3/h)			Max.Head(m)			N.W. (kgs)	G.W. (kgs)	Packing Size (mm)
		III	II	I	III	II	I	III	II	I	III	II	I			
LRP15-40/130	220~240/50Hz	74	54	34	0.34	0.24	0.16	2.7	2.5	1.7	4.4	4	3.6	2.32	2.45	165x150x140
LRP15-40B/130	220~240/50Hz	74	54	34	0.34	0.24	0.16	2.7	2.5	1.7	4.4	4	3.6	2.41	2.54	165x150x140
LRP20-40/130	220~240/50Hz	74	54	34	0.34	0.24	0.16	3.0	2.8	1.8	4.3	4	3.5	2.37	2.50	165x150x140
LRP25-40/130	220~240/50Hz	74	54	34	0.34	0.24	0.16	3.6	3.2	2.0	4.5	4.2	3.8	2.44	2.57	165x150x140
LRP25-40/180	220~240/50Hz	74	54	34	0.34	0.24	0.16	3.8	3.4	2.1	4.5	4.2	3.8	2.55	2.71	195x150x140
LRP32-40/180	220~240/50Hz	74	54	34	0.34	0.24	0.16	3.6	3.2	2.2	4.3	4	3.4	2.73	2.89	195x150x140
LRP15-50/130	220~240/50Hz	85	60	40	0.37	0.26	0.18	2.7	2.5	1.7	5.3	5	3.7	2.32	2.45	165x150x140
LRP15-50B/130	220~240/50Hz	85	60	40	0.37	0.26	0.18	2.7	2.5	1.7	5.3	5	3.7	2.41	2.54	165x150x140
LRP20-50/130	220~240/50Hz	85	60	40	0.37	0.26	0.18	3.0	2.6	1.7	5	4.8	3.3	2.37	2.50	165x150x140
LRP25-50/130	220~240/50Hz	85	60	40	0.37	0.26	0.18	3.6	3.2	2.0	5.3	5	3.6	2.44	2.57	165x150x140
LRP25-50/180	220~240/50Hz	85	60	40	0.37	0.26	0.18	3.8	3.2	2.1	5.2	4.9	3.2	2.55	2.71	195x150x140
LRP32-50/180	220~240/50Hz	85	60	40	0.37	0.26	0.18	3.8	3.3	2.1	5.2	4.8	3.7	2.73	2.89	195x150x140
LRP15-60/130	220~240/50Hz	96	69	45	0.43	0.31	0.2	2.7	2.5	1.7	6	5.8	4.2	2.32	2.45	165x150x140
LRP15-60B/130	220~240/50Hz	96	69	45	0.43	0.31	0.2	2.7	2.5	1.7	6	5.8	4.2	2.41	2.54	165x150x140
LRP20-60/130	220~240/50Hz	96	69	45	0.43	0.31	0.2	3.2	2.8	1.8	6	5.4	4.2	2.37	2.50	165x150x140
LRP25-60/130	220~240/50Hz	96	69	45	0.43	0.31	0.2	3.8	3.3	2.0	6	5.7	4.7	2.44	2.57	165x150x140
LRP25-60/180	220~240/50Hz	96	69	45	0.43	0.31	0.2	4.0	3.6	2.1	6	5.7	4.7	2.55	2.71	195x150x140
LRP32-60/180	220~240/50Hz	96	69	45	0.43	0.31	0.2	4.0	3.6	2.2	5.8	5.5	4.1	2.73	2.89	195x150x140
LRP25-70/130	220~240/50Hz	150	130	105	0.66	0.6	0.5	4.0	3.0	2.2	6.3	6	5.2	2.45	2.61	165x150x140
LRP25-70/180	220~240/50Hz	150	130	105	0.66	0.6	0.5	4.0	3.0	2.2	6.3	6	5.2	2.57	2.73	195x150x140
LRP32-70/180	220~240/50Hz	150	130	105	0.66	0.6	0.5	4.0	3.0	2.0	6.3	6	5.2	2.75	2.91	195x150x140
LRP25-80/180	220~240/50Hz	200	190	160	0.86	0.85	0.73	7.2	6.0	3.2	7.1	6.5	5.5	4.23	4.57	196x196x160
LRP25-120/180	220~240/50Hz	270	245	160	1.2	1.1	0.72	4.0	2.3	1.4	11.5	10	6.3	4.62	4.96	196x196x160
LRP32-80/180	220~240/50Hz	270	245	160	1.2	1.1	0.72	10.0	6.0	3.6	7.3	6.7	5.4	4.75	5.09	196x196x160
LRP32-80F/220	220~240/50Hz	270	245	160	1.2	1.1	0.72	10.2	6.8	3.9	7.3	6.7	5.4	7.57	8	235x181x207
LRP36-80F/200	220~240/50Hz	270	245	160	1.2	1.1	0.72	10.2	6.8	3.9	7.3	6.7	5.4	5.98	6.36	214x170x190
LRP40-80F/250	220~240/50Hz	270	245	160	1.2	1.1	0.72	10.2	6.8	3.9	7.3	6.7	5.4	8.27	8.74	264x186x212
LRP20-180	220~240/50Hz	450			2.2			4.6			18			8.2	9.5	470x390x265
LRP20-180/220	220~240/50Hz	450			2.2			4.6			18			8.3	9.7	470x390x265

Hydraulic Performance Curves



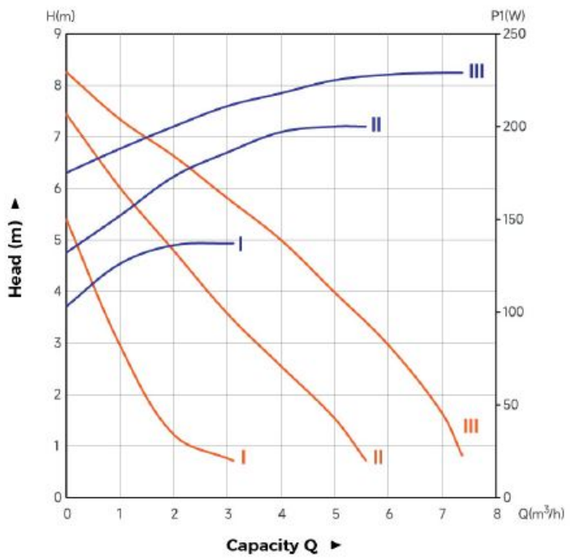
LRP25-70/180

Q-P
Q-H



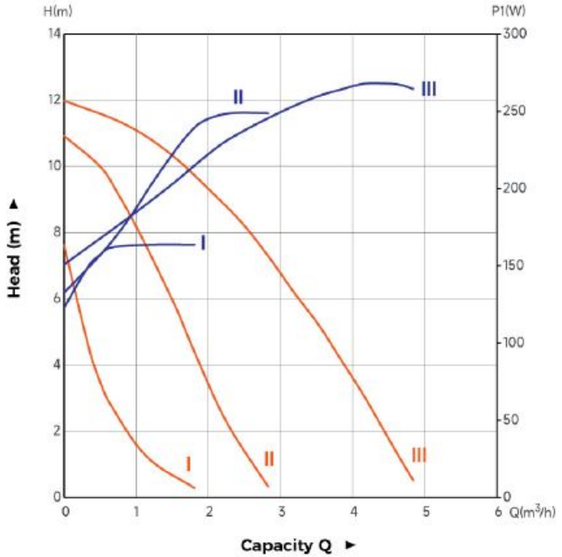
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Q-P
Q-H



LRP25-80/180

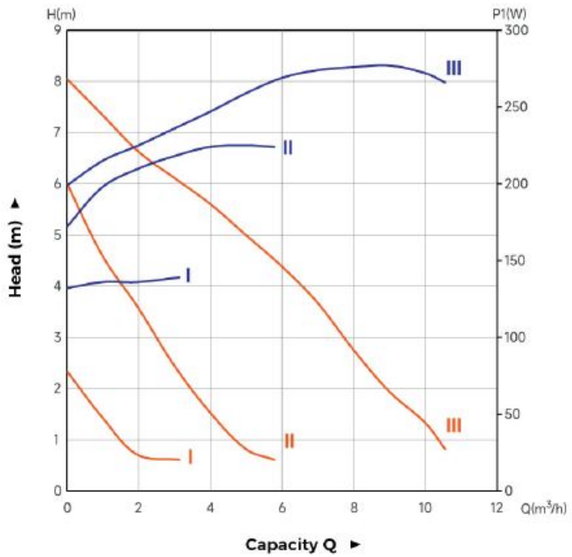
Q-P
Q-H



LRP25-120/180

Q-P
Q-H

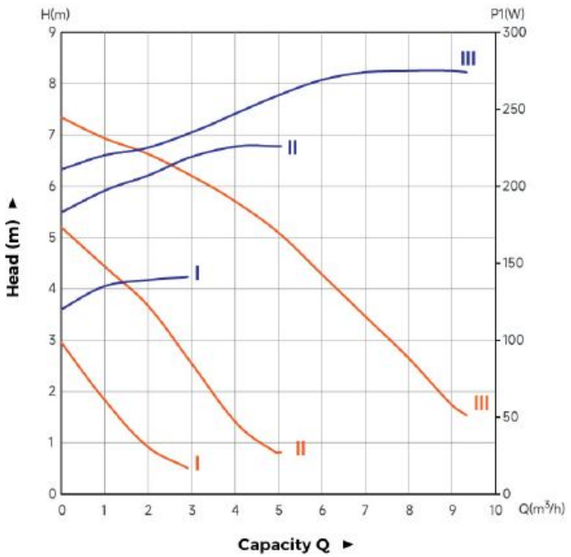
Hydraulic Performance Curves



LRP32-80/180

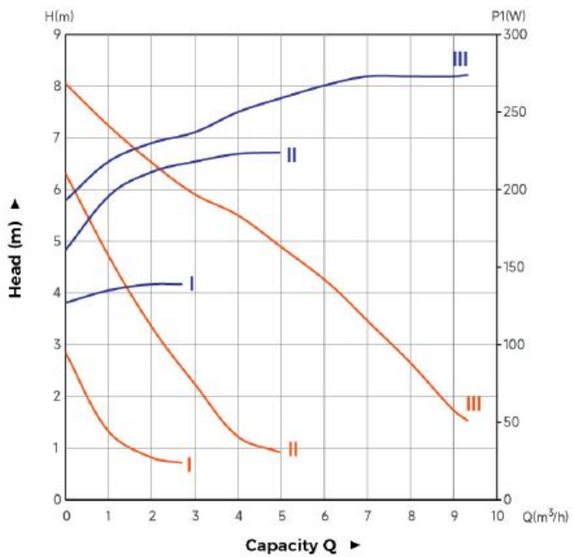
LRP32-80F/220

Q-P
Q-H



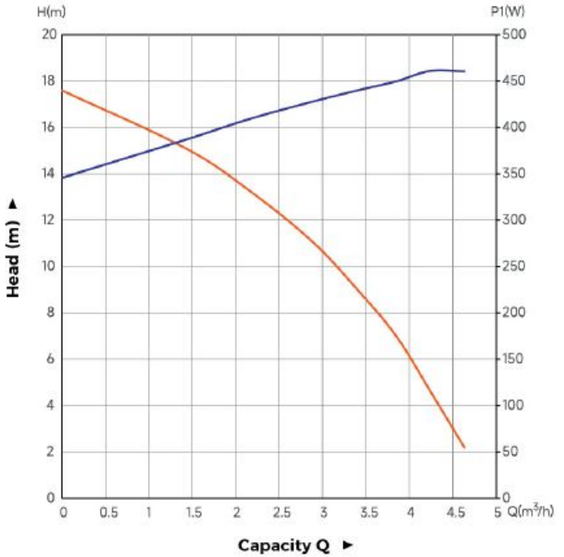
LRP36-80F/200

Q-P
Q-H



LRP40-80F/250

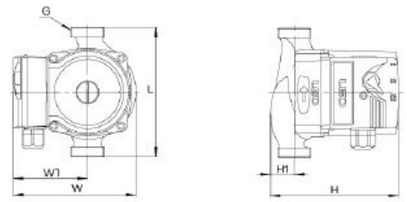
Q-P
Q-H



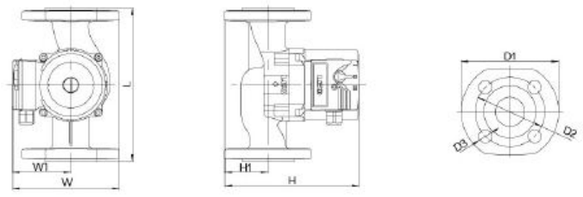
LRP20-180
LRP20-180/220

Q-P
Q-H

Dimension

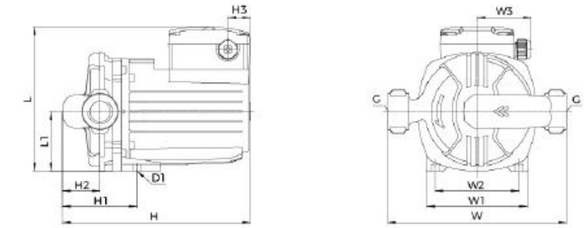


Model	L (mm)	W (mm)	W1 (mm)	H (mm)	H1 (mm)	G
LRP15-40/130	130	125	75	130	25	G1
LRP15-40B/130	130	125	75	130	25	G1
LRP20-40/130	130	125	75	130	25	G1.25
LRP25-40/130	130	125	75	130	25	G1.5
LRP25-40/180	180	125	75	130	25	G1.5
LRP32-40/180	180	125	75	135	30	G2
LRP15-50/130	130	125	75	130	25	G1
LRP15-50B/130	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
LRP32-80/180	180	137	75	168	40	G2

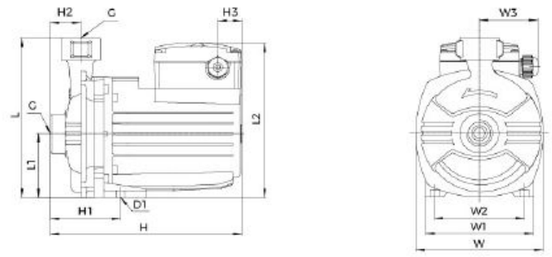


Model	L (mm)	W (mm)	W1 (mm)	H (mm)	H1 (mm)	D1 (mm)	D2	D3
LRP32-80F/220	220	150	85	191.5	65	140	Φ100	Φ19
LRP36-80F/200	200	138	85	174.5	45	90	Φ90	Φ11.5
LRP40-80F/250	250	155	85	196.5	70	150	Φ110	Φ19

Dimension



Model	L (mm)	L1 (mm)	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	W (mm)	W1 (mm)	W2 (mm)	W3 (mm)	D1 (mm)	G
LRP20-180/220	177	73	231	92	46	28	220	123.5	103.5	67	7	G1



Model	L (mm)	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	W (mm)	W1 (mm)	W2 (mm)	W3 (mm)	D1 (mm)	G
LRP20-180	183	73	177	220	80.5	35	28	146	123.5	103.5	67	7	G1