GEM Pump

(Green Engineering and Management Co.,Ltd)



CATALOGUE

VERTICAL

TURBINE

PUMP

www.greenengineering.co.th

LP,Vertical Turbine Pump

Specification range

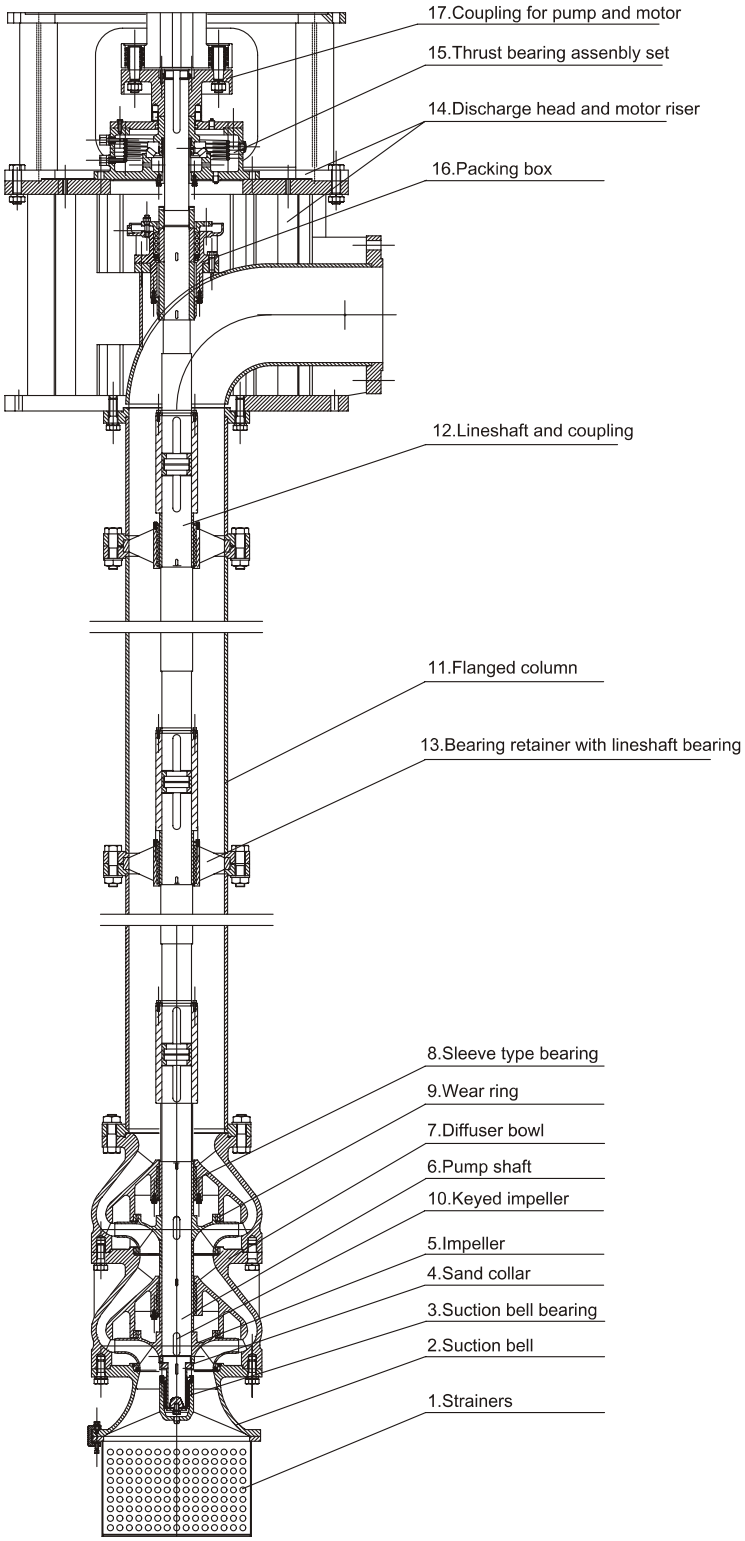
- Capacities to 4000m³/h
- Heads to 380m
- Temperatures to 200℃(388°F)

Design Advantages

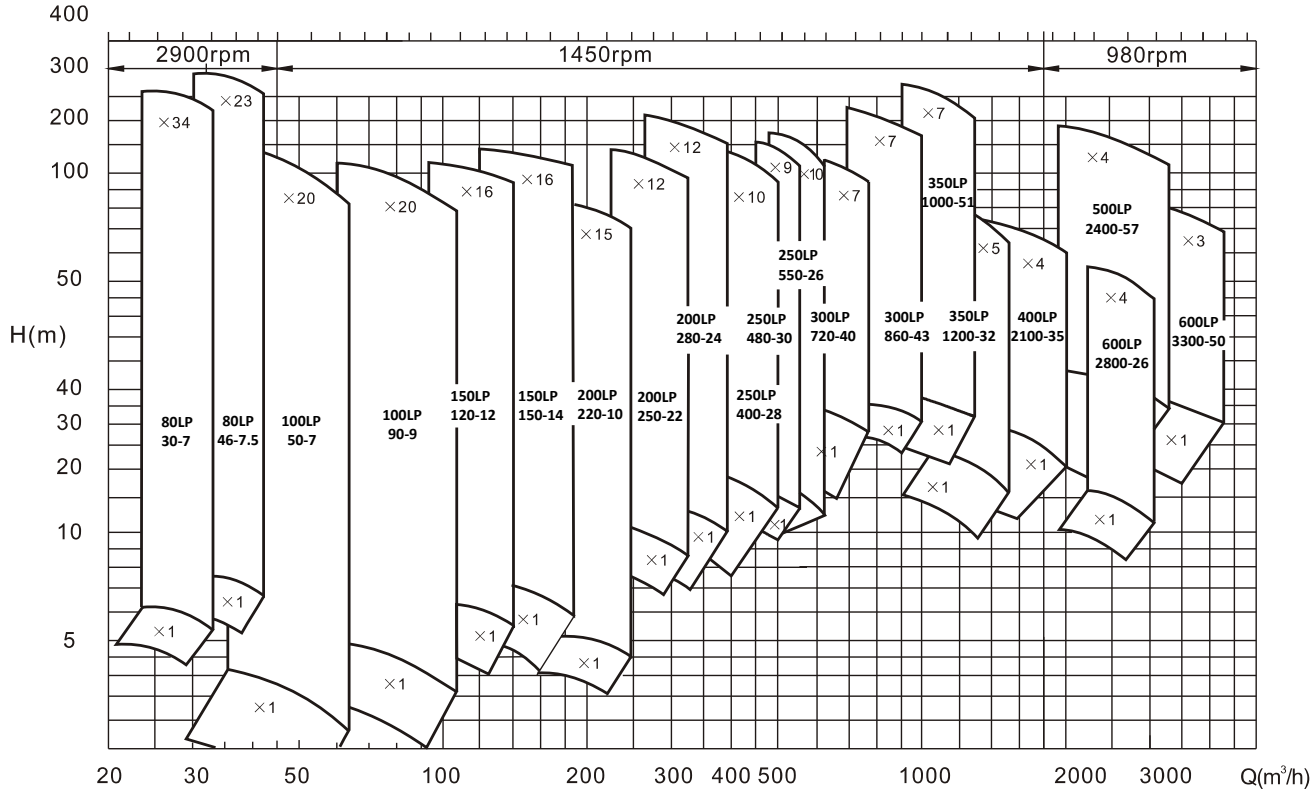
1. Fabricated discharge head for 10≳ or larger sizes. Suitable for temperaturer liquid pumping.
2. Seamless flanged ends column pipe and flanges bowl construction incorporating registered fits for ease of assembly during assembly.
3. Alloy construction with external tube flush of critical wear areas available for abrasive services.
4. Build–in alignment and simple piping for less costly installation and ease of maintenance reduced downtime.
5. 416SS shafting. Keyed lineshaft coupling available in all size for ease of maintenance.
The lineshaft can be protected by water flushing the enclosing tube bearing on corrosive/abrasive services.
6. Various bearing material available.
7. Renewable shaft sleeve or hard facing of shaft available for long life.
8. Dual wear rings for impellers and bowls.
Hard facing wear surfaces available for longer life. Wear rings can be flushed when solids are present in pumpage.

Services

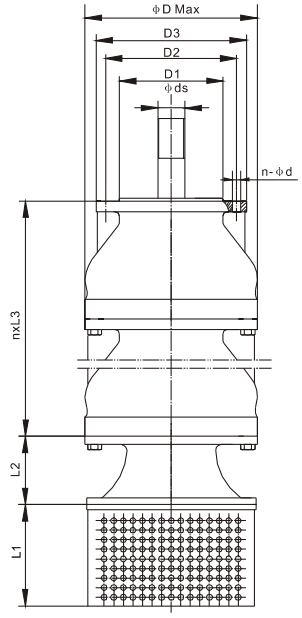
Cooling Water
Seawater and Raw Water Intake
Industrial Process Pumps
Utility Circulating Water
Condenser Circulating Water Pumps
Ash Sluice
Fire–fighting



LP Selection Charts

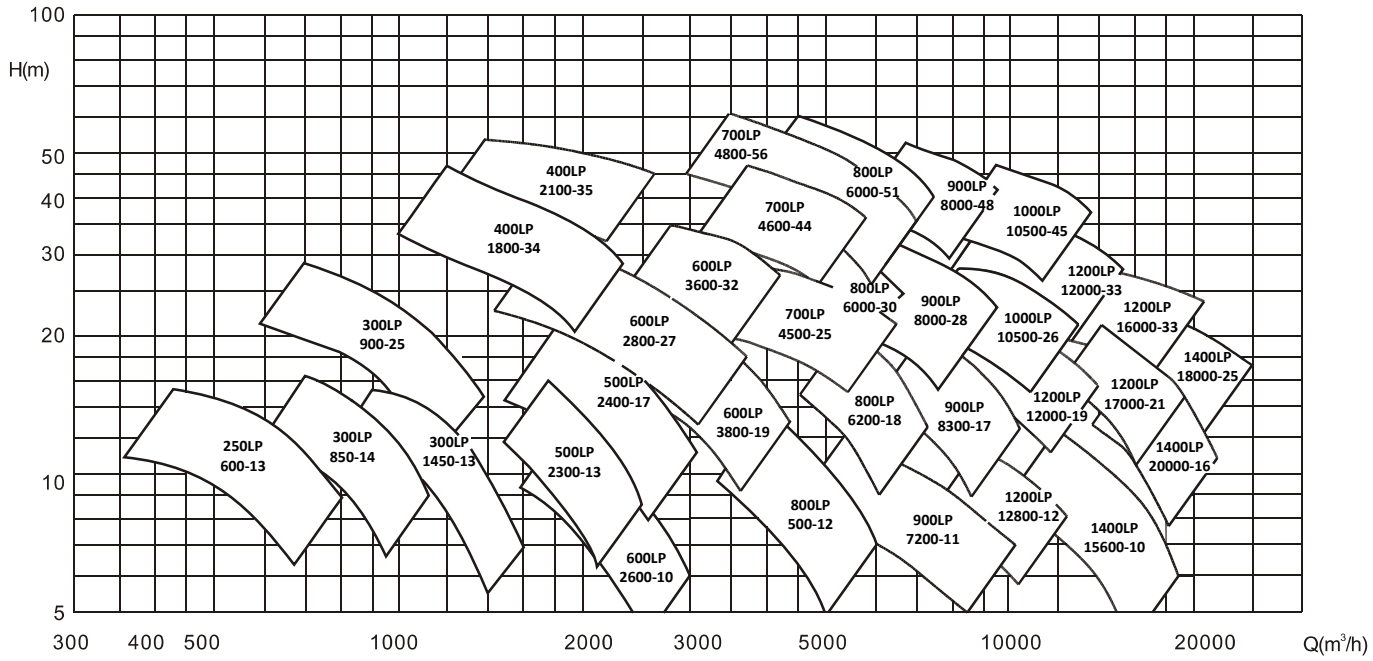


LP Pump Bowl Dimension

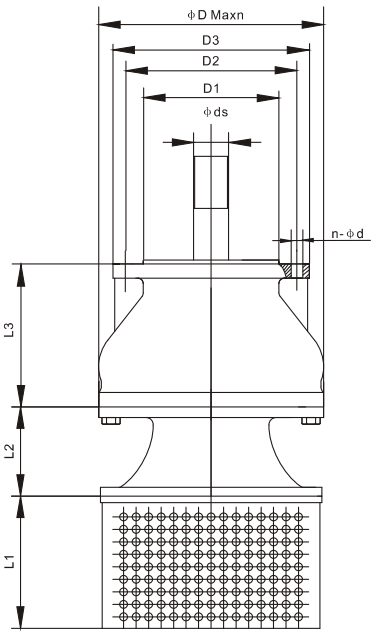


Model	D Max	L1	L2	L3	Max n	D1	D2	D3	Φd	n-Φd
80LP30-7	133	200	80	90	34	132f7	160	200	22	8-Φ18
80LP46-7.5	144	200	80	100	23	132f7	160	200	22	8-Φ18
100LP50-7	245	260	80	185	20	130f7	168	200	20/30	8-Φ13.5
100LP90-9	245	260	80	205	20	130f7	168	200	20/30	8-Φ13.5
150LP120-12	323	280	110	230	16	245f7	285	323	30/40	8-Φ18
150LP150-14	323	280	110	230	16	245f7	285	323	30/40	8-Φ18
200LP1220-10	285	300	100	245	15	230f7	256	285	30/40	8-Φ18
200LP1250-22	420	300	120	300	12	330f7	380	420	40/50/60	12-Φ22
200LP280-24	420	300	120	300	12	330f7	380	420	40/50/60	12-Φ22
250LP550-26	430	320	120	365	10	350f7	395	430	50/60/70	12-Φ22
250LP400-28	477	320	150	330	10	375f7	425	477	50/60/70	12-Φ22
250LP480-30	477	320	150	330	9	375f7	425	477	50/60/70	12-Φ22
300LP720-40	570	320	220	390	7	340f7	385	425	60/70/80	12-Φ22
300LP860-43	570	320	220	390	7	340f7	385	425	70/80/90	12-Φ22
350LP1200-32	525	320	230	600	5	420f7	480	525	60/70/80	16-Φ22
350LP1000-51	630	320	250	430	7	395f7	480	550	70/90/110	16-Φ33
400LP2100-35	550	320	230	600	5	440f7	500	550	70/90/100	16-Φ22
500LP2400-57	955	320	390	675	4	605f7	740	850	90/100/120	16-Φ30
600LP2800-26	720	320	350	940	4	620f7	740	850	80/100/110	16-Φ30
600LP3300-50	880	320	280	760	3	650f7	725	780	90/110/130	16-Φ30

LP Selection Charts

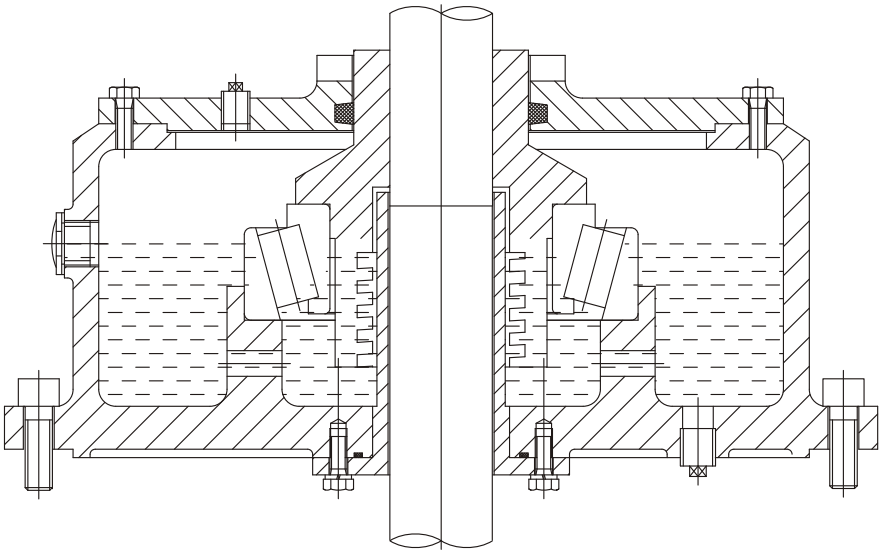


LP Pump Bowl Dimension

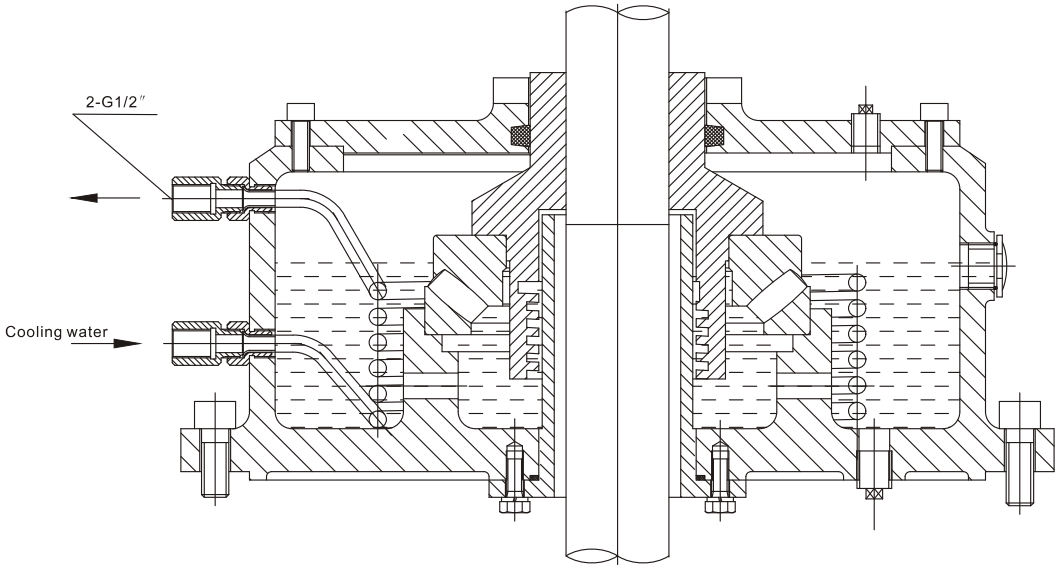


Model	Dmax	L1	L2	L3	Φds	D1	D2	D3	n-Φd
250LP600-13	393	320	110	385	40	305f7	350	393	12-Φ23
300LP850-14	427	320	120	415	40	330f7	385	427	12-Φ23
300LP900-25	435	320	180	513	50	320f7	360	400	12-Φ23
350LP1450-13	480	320	240	410	40	395f7	440	480	16-Φ23
400LP1800-34	550	320	230	600	70	440f7	500	550	16-Φ25
400LP2100-35	550	320	230	600	70	440f7	500	550	16-Φ25
500LP2100-13	670	320	350	450	50	520f7	620	670	20-Φ25
500LP2400-17	750	320	400	475	60	550f7	600	650	20-Φ25
600LP2600-10	745	320	295	530	60	630f7	695	745	20-Φ30
600LP3600-32	740	320	480	620	80	630f7	725	780	20-Φ30
600LP2800-27	710	320	300	735	70	630f7	725	780	20-Φ30
600LP3800-19	760	320	330	640	70	630f7	725	780	20-Φ30
700LP4500-25	875	320	570	730	90	730f7	840	895	24-Φ30
700LP4600-44	1075	320	350	925	110	730f7	840	895	24-Φ30
700LP4800-56	1295	320	405	890	120	730f7	840	895	24-Φ30
800LP5000-12	980	320	410	735	80	830f7	950	1010	24-Φ34
800LP6000-51	1165	320	380	1000	120	830f7	950	1010	24-Φ34
800LP6000-30	965	320	625	810	100	830f7	950	1010	24-Φ34
800LP6200-18	990	320	430	835	90	830f7	950	1010	24-Φ34
900LP7200-11	1160	320	490	890	90	930f7	1050	1110	28-Φ34
900LP8000-28	1135	320	960	740	120	930f7	1050	1110	28-Φ34
900LP8300-17	1165	320	515	990	100	930f7	1050	1110	28-Φ34
900LP8000-48	1385	320	450	1190	140	930f7	1050	1110	28-Φ34
1000LP10500-26	1325	320	865	1110	130	1030f7	1160	1220	28-Φ34
1000LP10500-45	1610	320	525	1390	160	1030f7	1160	1220	28-Φ34
1000LP12000-19	1500	320	985	1265	130	1230f7	1380	1450	32-Φ41
1000LP12000-33	1830	320	600	1590	160	1230f7	1380	1450	32-Φ41
1200LP12800-12	1560	320	700	1330	120	1230f7	1380	1450	32-Φ41
1200LP16000-33	1500	320	985	1265	160	1230f7	1380	1450	32-Φ41
1200LP17000-21	1560	320	700	1330	140	1230f7	1380	1450	32-Φ41
1400LP20000-16	1800	320	805	1545	160	1430f7	1590	1675	36-Φ48
1400LP18000-25	1720	320	1130	1450	170	1430f7	1590	1675	36-Φ48
1400LP15600-10	1700	320	750	1340	120	1430f7	1590	1675	36-Φ48

Oil Lubricated Thrust Bearing Assembling Sets



Standard thrust bearing assembly set



Water cooling heavy duty thrust bearing assembly set