

M AH HH Series Slurry Pumps

Manual Instruction



Hebei Ivy Pump Industry Co., Ltd.

Overview

To accelerate the replacement of outdated centrifugal slurry pumps in China and expand the development of new products, thereby providing reliable, durable, efficient, and economical advanced products to all sectors of the national economy, our company has introduced the full range of licensed centrifugal slurry pump technologies.

Our centrifugal slurry pumps feature world-class technology; they are sold worldwide and enjoy a high international reputation. These pumps are versatile, feature an advanced design, are highly modular, operate reliably, have a long service life, and are easy to install, disassemble, and maintain. To accommodate long-distance conveyance, these pumps can be configured in multi-stage series arrangements upon special order.

The licensed technology for centrifugal slurry pumps covers the following product ranges:

1. M, H, AH, HH, and L series slurry pumps;
2. SP and SPR submersible slurry pumps;
3. D-series dredging pumps;
4. G-series gravel pumps;
5. S and SH series solution pumps;
6. F and AF series foam pumps.

Applications and Features

M, AH, and HH-Type pumps are cantilevered, horizontal centrifugal slurry pumps suitable for conveying highly abrasive, high-concentration slurries in industrial sectors such as metallurgy, mining, coal, power generation, and building materials. Pumps of this type can also be used in multi-stage series configurations.

The pump casings of M and AH-type pumps feature replaceable wear-resistant metal or rubber linings, while the impellers are made of wear-resistant metal or rubber. The pump casings and impellers of HH-type pumps are made exclusively of wear-resistant metal.

The shaft seals for M, AH, and HH-type pumps can be either packing seals or centrifugal seals. The discharge port of the pump can be installed at eight different angles, rotated in 45° increments as needed.

Model Designation

For example: 10/8ST — AH (or M, HH)

10—Pump suction inlet diameter (inches)

8—Pump discharge diameter (inches)

HH—High-head slurry pump

M, AH—Slurry pump

ST—Bracket Type

Selection Guide

Refer to the pump performance curve; the selected flow rate range should be

M and AH-type pumps:

For high-concentration, highly abrasive slurries, the flow rate range is 40–80%

For medium-concentration, moderately abrasive slurries, the flow rate range is 40–100%

For low-concentration, low-abrasive slurries, the flow rate range is 40–120%

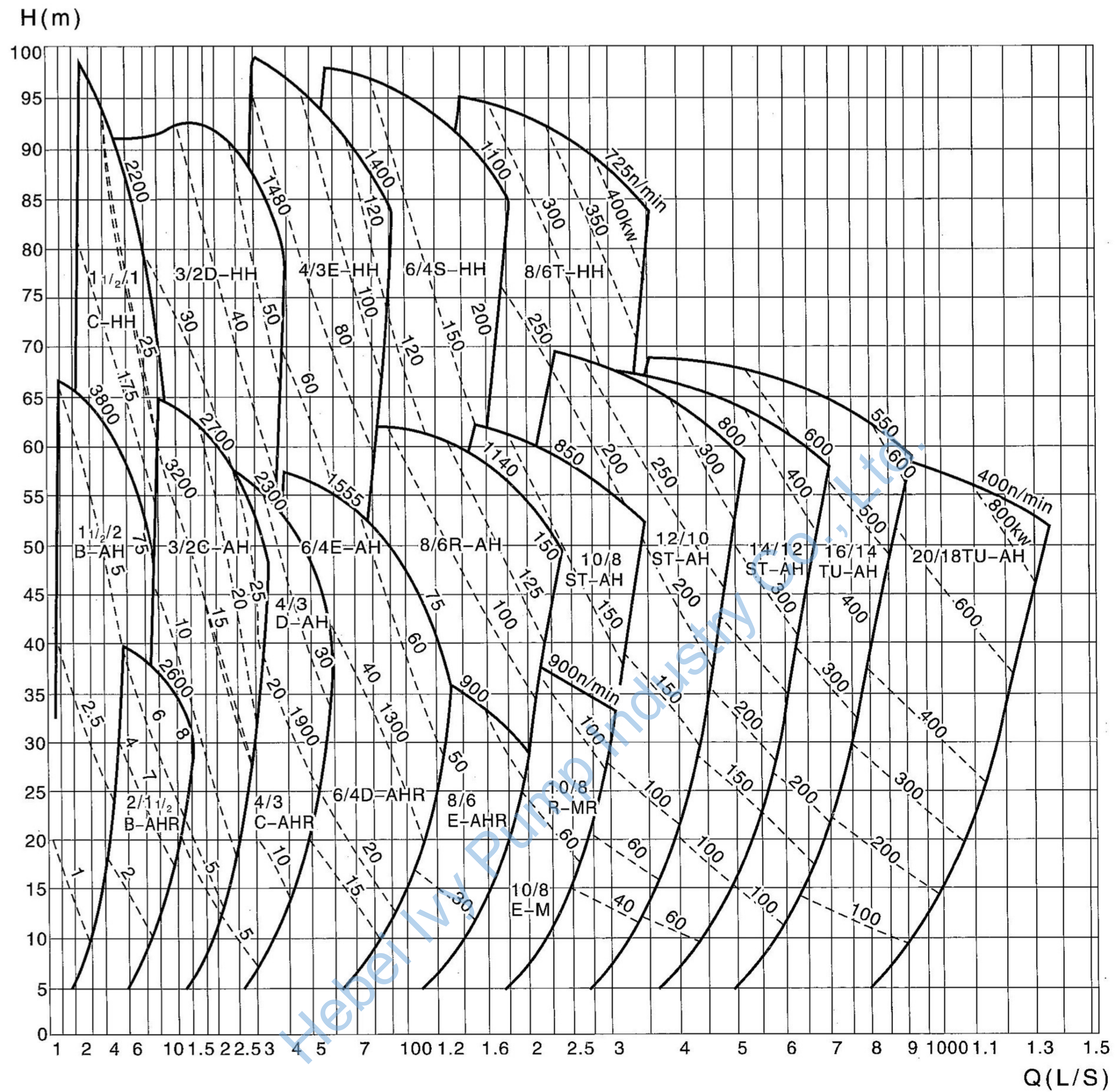
HH-type pumps:

For medium-concentration, moderately abrasive slurries, the flow rate range is 40–80%

For low-concentration, low-abrasive slurries, the flow rate range is 40–100%

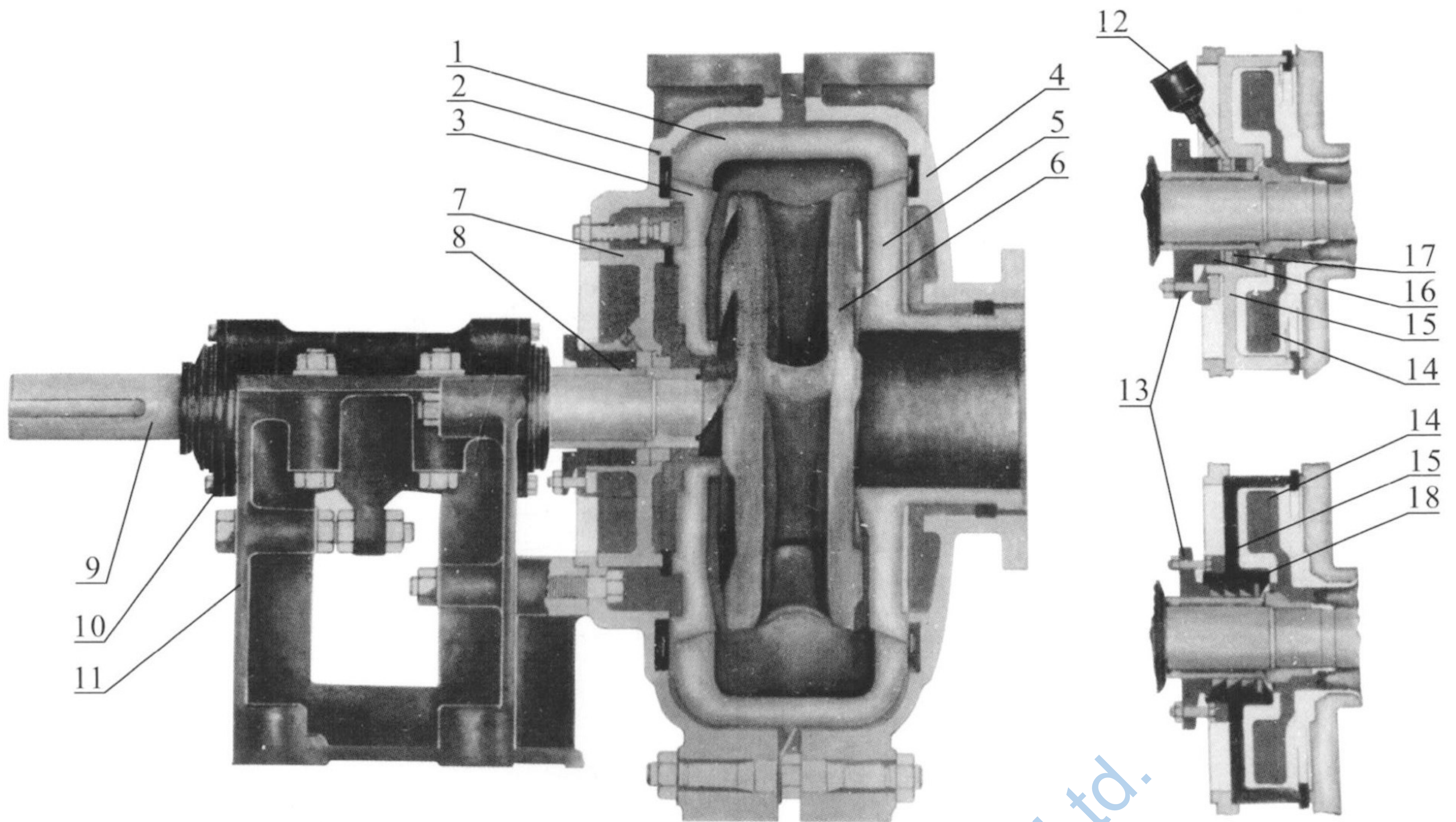
(The flow rate corresponding to the maximum efficiency point at a given rotational speed is 100%)

Model Series for M, AH, and HH Slurry Pumps

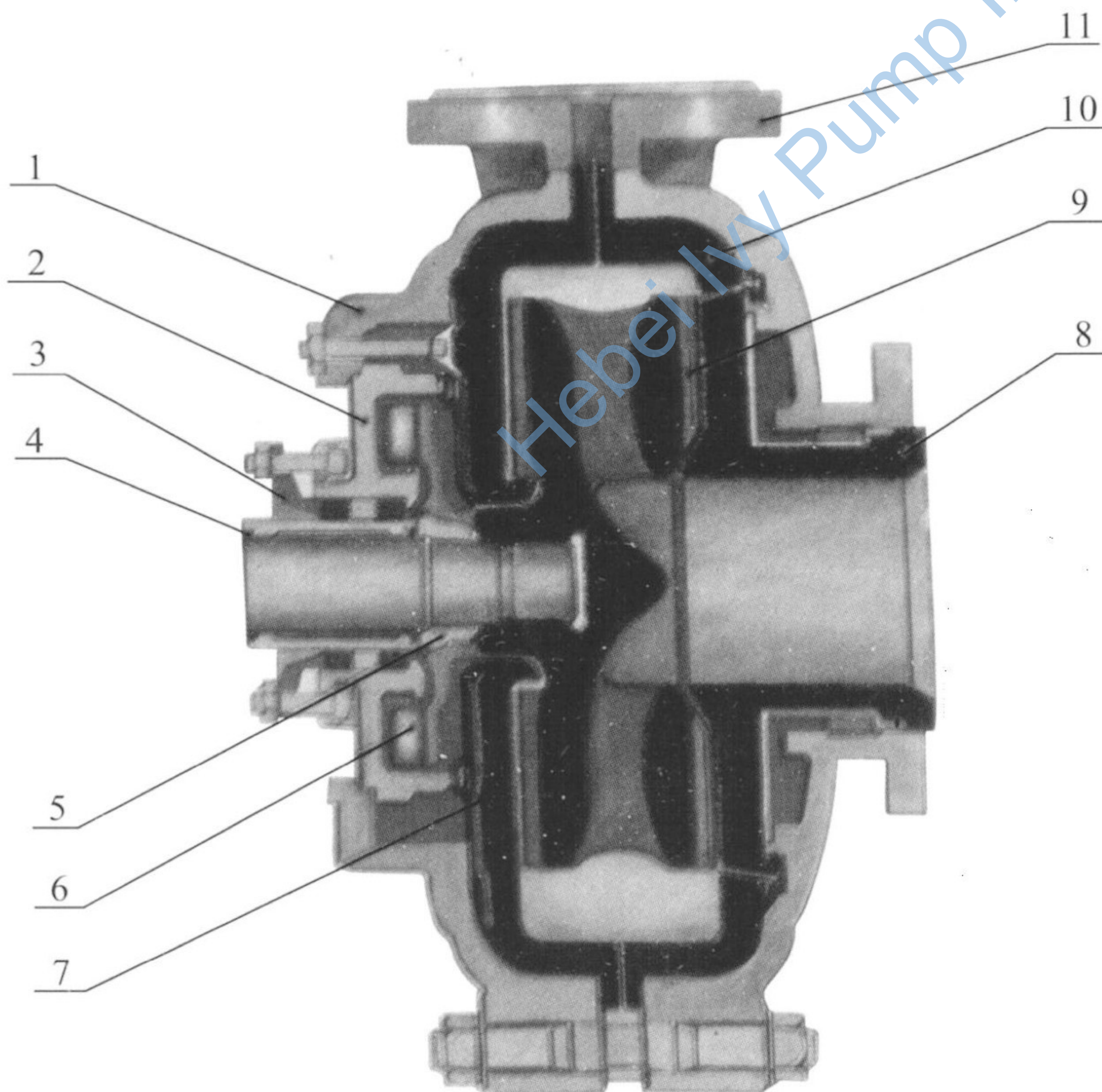


Note: Performance values are approximate for clean water and are intended for preliminary selection only.

Structural Diagram

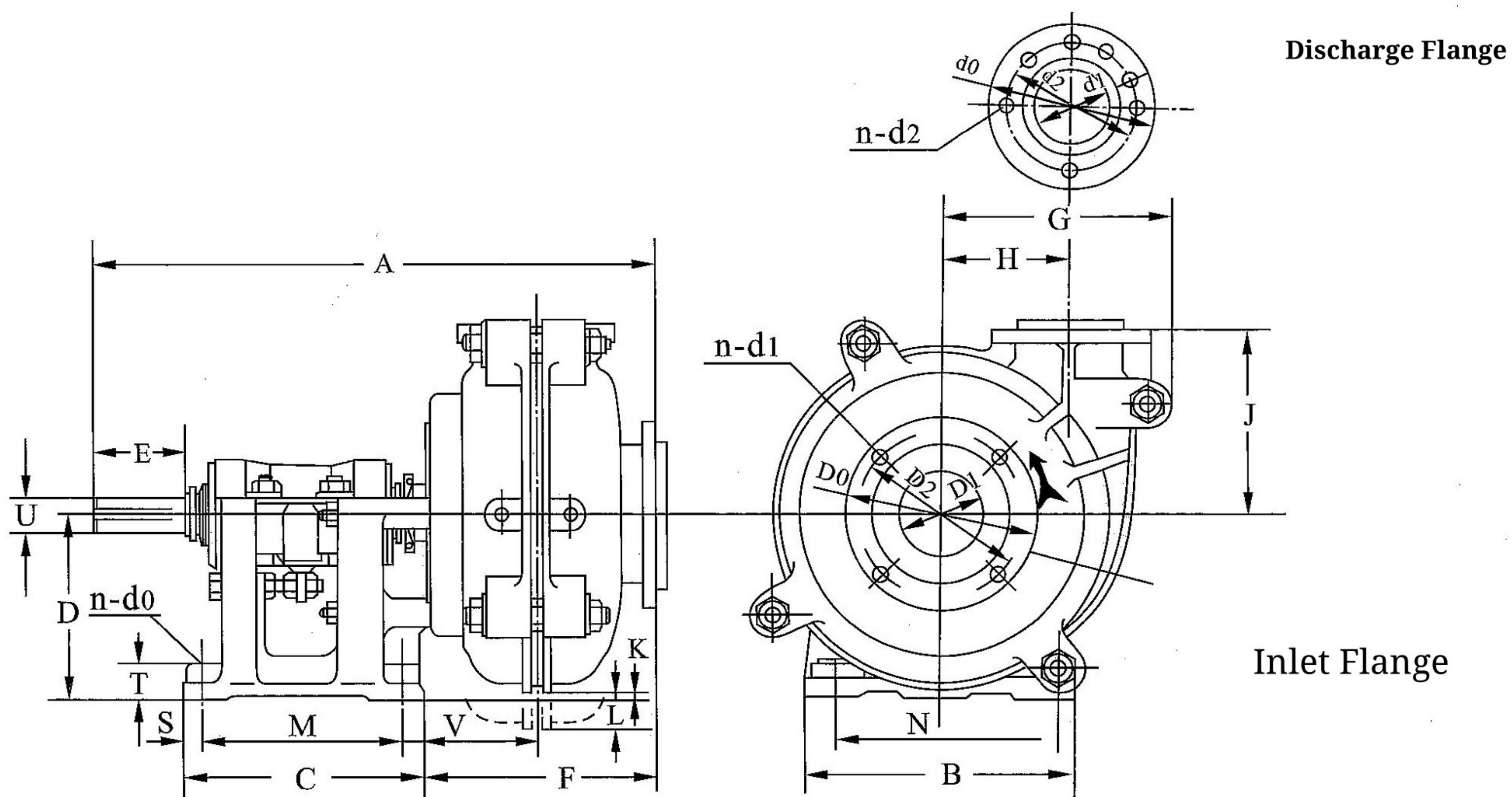


1. Sheath 2. Pump body 3. Rear guard board 4. Pump cover 5. Front guard board 6. Impeller 7. Stuffing box 8. Shaft sleeve
 9. Shaft 10. Bearing Housing 11. Bracket 12. Grease Cup 13. Split Packing Gland 14. Secondary Impeller 15. Pressure Relief Cover 16. Packing 17. Water Seal Ring 18. Lip Seal

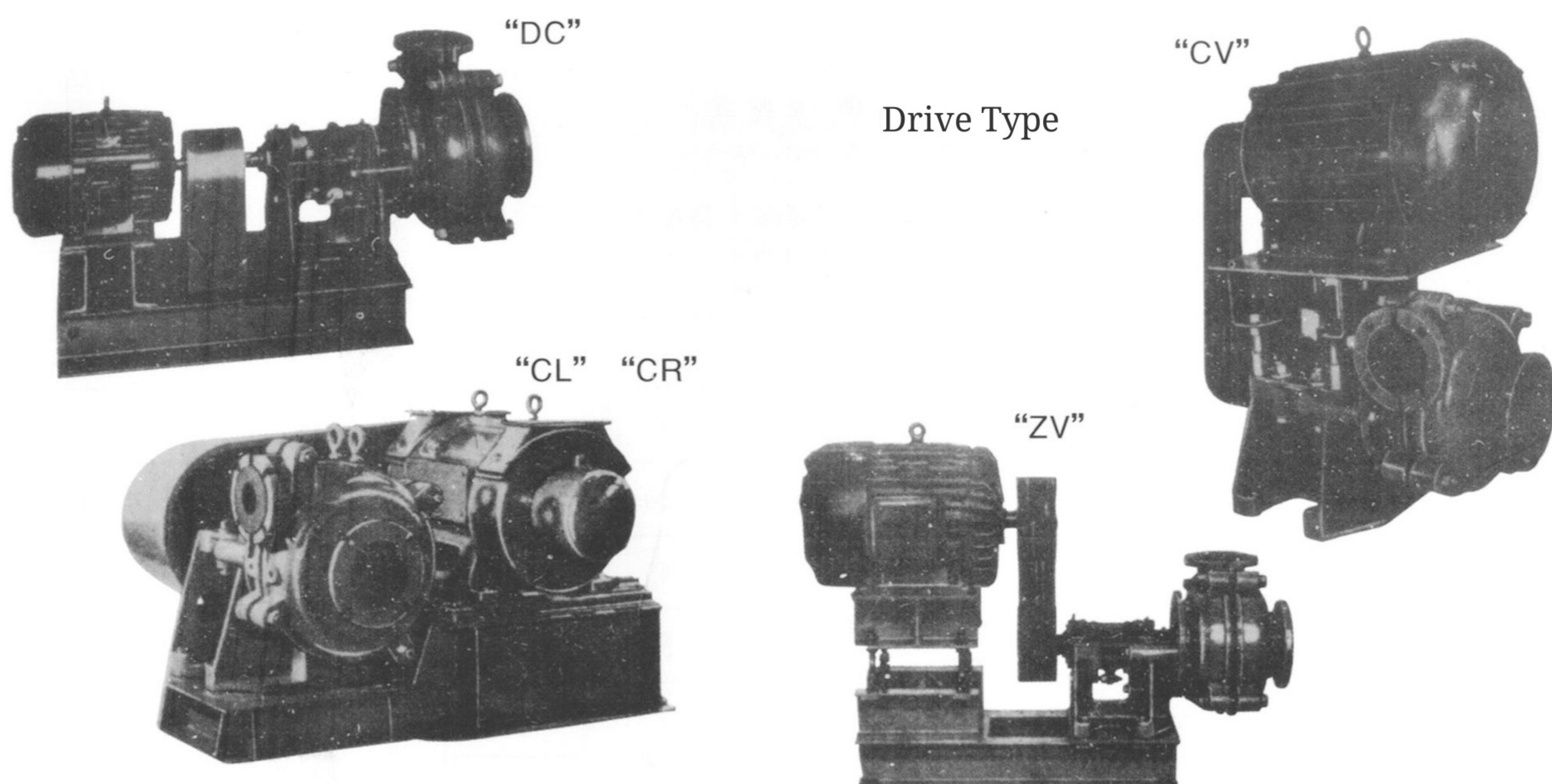


Structural Diagram of the Rubber-Lined Pump Head

1. Pump Body 2. Pressure Relief Cover 3. Packing Gland 4. Shaft O-Ring
 5. Locating Sleeve 6. Auxiliary Impeller 7. Pump Body Sleeve 8. Suction Sleeve
 9. Impeller 10. Pump Cover Sleeve 11. Pump Cover



Type No.	A	B	C	D	U	E	F	G	H	J	K	L	M	N	V	T
1½/1B-AH	583	295	248	197	28	79	206	181	98	171	46	-	143	254	181	38
1½/1C-HH	759	406	311	254	42	121	306	270	194	254	-	11	175	356	252	48
2/1½B-AH	592	295	248	197	28	79	217	205	114	184	33	-	143	254	184	38
3/2C-AH	768	406	311	254	42	121	281	238	138	210	71	-	175	356	233	48
3/2D-HH	986	492	364	330	65	164	389	384	254	368	-	51	213	432	298	64
4/3C-AH	843	406	311	254	42	121	354	292	149	262	24	-	175	356	270	48
4/3D-AH	943	492	364	330	65	164	353	292	149	262	100	-	213	432	279	64
4/3E-HH	1240	622	448	457	80	222	492	492	330	432	-	-	257	546	381	76
6/4D-AH	1021	492	364	330	65	164	421	406	229	338	11	-	213	432	318	64
6/4E-AH	1178	622	448	457	80	222	433	406	229	338	138	-	257	546	351	76
6/4S-HH	1668	920	780	450	120	280	596	616	413	546	-	134	640	760	353	90
8/6E-AH	1302	622	448	457	80	222	557	551	318	460	-	62	257	546	402	76
8/6R-AH	1360	680	590	350	85	215	-	511	318	460	-	170	490	560	312	70
8/6T-HH	2275	1150	1040	650	150	350	852	835	584	813	-	160	880	900	538	125
10/8E-M	1337	622	448	457	80	222	584	613	381	470	-	83	257	546	403	76
10/8R-M	1395	680	590	350	85	215	-	613	381	470	-	190	490	560	314	70
10/8ST-AH	1748	1150	780	650	120	280	692	673	419	635	27	-	620	900	439	125
12/10ST-AH	1816	1150	780	650	120	280	762	755	464	674	-	65	620	900	461	125
14/12ST-AH	1873	1150	780	650	120	280	812	937	629	832	-	224	620	900	486	125
16/14TU-AH	2320	1460	1050	900	150	350	953	1048	660	889	-	84	860	1200	597	150
20/18TU-AH	2475	1460	1050	900	150	350	1100	1420	940	1230	-	420	860	1200	615	150
6S-H	1700	920	780	450	120	280	622	625	415	615	-	155	640	760	382	90



S	n-d	Suction Flange				Discharge Flange				Pump Weight (kg)	
		D ₀	D ₁	D ₂	n-d ₁	d ₀	d ₁	d ₂	n-d ₂	Metal	Rubber
24	4-φ 14	152	38	114	4-φ 16	165	25	127	4-φ 16	91	77
32	4-φ 19	152	38	114	4-φ 17	152	25	114	4-φ 17	318	-
24	4-φ 14	184	51	146	4-φ 19	165	38	127	4-φ 19	104	118
32	4-φ 19	216	76	178	4-19	184	51	146	4-19	191	154
38	4-φ 22	216	76	178	8-19	203	51	165	4-19	750	-
32	4-φ 19	279	102	235	4-φ 22	229	76	191	4-φ 22	263	236
38	4-φ 22	279	102	235	4-φ 22	229	76	191	4-φ 22	363	290
54	4-φ 29	254	102	210	8-φ 19	254	76	210	8-φ 19	1250	-
38	4-φ 22	337	152	292	4-22	279	102	235	4-22	626	454
54	4-φ 29	337	152	292	4-φ 22	279	102	235	4-φ 22	728	635
70	4-φ 35	337	152	292	8-φ 22	305	102	260	8-φ 22	2880	-
54	4-φ 29	406	203	356	8-φ 22	368	152	324	8-φ 21	1473	982
50	4-φ 28	406	203	356	8-φ 22	368	152	324	8-φ 22	1655	-
80	4-φ 48	432	203	375	8-φ 29	432	152	375	8-φ 29	6586	-
54	4-φ 29	502	254	445	8-φ 29	432	203	375	8-φ 29	1625	1202
50	4-φ 28	502	254	445	8-φ 29	432	203	375	8-φ 29	1836	-
80	4-φ 48	502	254	445	8-φ 29	432	203	375	8-φ 29	3750	3130
80	4-φ 48	527	305	470	8-φ 25	527	254	470	12-φ 25	4318	3357
80	4-φ 48	585	356	521	12-φ 25	552	305	495	12-φ 25	6409	4672
95	4-φ 79	705	406	641	8-φ 35	673	356	610	12-φ 29	10000	-
95	4-φ 79	900	508	800	12-φ 42	900	460	800	12-φ 42	18864	15921
70	4-φ 35	380	152	320	8-φ 27	420	150	360	8-φ 27	-	-

Performance Tables for AH, AHR, H, HH, HP, AHP, M, and MR Slurry Pumps

Table 1

型 号 TYPE	流量 Capacity Q (m ³ /h)	扬程 Head H (m)	转速 Speed n (r/min)	必需汽 蚀余量 NPSHr (m)	效率 Efficiency η (%)	轴功率 Shaft Power P (kw)	配 用 电 机 Mating motor		重量 Weight (kg)	泵外形尺寸 (长×宽×高) Overall dimensions L×W×H (mm)	口 径 Dia. of pump (mm)	
							功率 Power (kw)	规 格 Specif			吸入 Inlet	吐出 Outlet
1.5/1B-AH(R)	3.6 7.56 11.52	7 6 5	1200	3.2	20 30 30	0.34 0.41 0.52	2.2 1.5	Y100L ₁ -4	91	583×362×368	38	25
1.5/1B-AH(R)	4.32 8.28 12.24	9.4 8.5 7	1400	3.2	20 30 30	0.55 0.64 0.78	1.5 2.2	Y100L ₁ -4	91	583×362×368	38	25
1.5/1B-AH(R)	4.68 8.64 12.6	12 11.5 10	1600	3.2	20 30 30	0.77 0.90 1.2	1.5 2.2 3	Y90S-2 Y90L-2 Y100L-2	91	583×362×368	38	25
1.5/1B-AH(R)	5.04 9.36 13.68	15.4 14.6 13	1800	3.2	20 30 30	1.06 1.24 1.61	2.2 3 4	Y90L-2 Y100L-2 Y112M-2	91	583×362×368	38	25
1.5/1B-AH(R)	5.4 10.08 14.4	19 18 16.5	2000	3.2	20 30 30	1.4 1.65 2.16	3 4	Y100L-2 Y112M-2	91	583×362×368	38	25
1.5/1B-AH(R)	5.76 10.08 14.76	21 20 18	2100	3.2	20 30 30	1.65 1.83 2.41	2.2 3 4	Y90L-2 Y100L-2 Y112M-2	91	583×362×368	38	25
1.5/1B-AH(R)	5.76 10.44 15.12	23 22 20	2200	3.2	20 30 35	1.8 2.08 2.36	3 4	Y100L-2 Y112M-2	91	583×362×368	38	25
1.5/1B-AH(R)	5.76 10.8 15.48	25 24 22	2300	3.2	20 30 35	1.96 2.35 2.65	3 4	Y100L-2 Y112M-2	91	583×362×368	38	25
1.5/1B-AH(R)	6.12 11.16 15.84	27.3 26 24	2400	3.2	20 30 35	2.28 2.63 2.96	4 5.5	Y112M-2 Y132S ₁ -2	91	583×362×368	38	25
1.5/1B-AH(R)	6.12 11.52 16.56	29.7 28.3 26	2500	3.2	20 30 35	2.48 2.96 3.35	4 5.5	Y112M-2 Y132S ₁ -2	91	583×362×368	38	25
1.5/1B-AH(R)	6.48 11.52 16.56	32 30.8 28.5	2600	3.2	20 30 35	2.82 3.22 3.67	4 5.5	Y112M-2 Y132S ₁ -2	91	583×362×368	38	25
1.5/1B-AH(R)	6.48 11.88 17.28	34.8 33.2 30.6	2700	3.2	20 30 35	3.07 3.58 4.11	5.5 7.5	Y132S ₁ -2 Y132S ₂ -2	91	583×362×368	38	25
1.5/1B-AH(R)	6.48 11.88 17.28	37.1 35.8 33.4	2800	3.2	20 30 35	3.27 3.86 4.49	5.5 7.5	Y132S ₁ -2 Y132S ₂ -2	91	583×362×368	38	25
1.5/1B-AH(R)	6.48 12.24 18	40.5 39.2 36.5	2920	3.2	20 30 35	3.57 4.36 5.11	5.5 7.5	Y132S ₁ -2 Y132S ₂ -2	91	583×362×368	38	25
1.5/1B-AH(R)	6.48 12.24 18	43 41.5 38.5	3000	3.2	20 30 35	3.79 4.61 5.39	5.5 7.5	Y132S ₁ -2 Y132S ₂ -2	91	583×362×368	38	25
1.5/1B-AH(R)	6.48 12.6 18.72	46 44.5 41.6	3100	3.2	20 30 35	4.06 5.09 6.06	7.5 11	Y132S ₂ -2 Y160M ₁ -2	91	583×362×368	38	25
1.5/1B-AH(R)	6.48 12.6 18.72	49 47.5 44	3200	3.2	20 30 35	4.32 5.43 6.41	7.5 11 15	Y132S ₂ -2 Y160M ₁ -2 Y160M ₂ -2	91	583×362×368	38	25
1.5/1B-AH	6.84 14.76 19.44	55.5 53 50.2	3400	3.2	20 35 40	5.17 6.09 6.64	7.5 11 15	Y132S ₂ -2 Y160M ₁ -2 Y160M ₂ -2	91	583×362×368	38	25
1.5/1B-AH	6.84 14.76 20.88	62 59.6 56.3	3600	3.2	20 35 40	5.77 6.84 8	11 15	Y160M ₁ -2 Y160M ₂ -2	91	583×362×368	38	25
1.5/1B-AH	6.84 15.12 21.6	69 66.7 63	3800	3.2	20 35 40	6.43 7.85 9.26	11 15	Y160M ₁ -2 Y160M ₂ -2	91	583×362×368	38	25

型 号 TYPE	流量 Capacity Q (m ³ /h)	扬程 Head H (m)	转速 Speed n (r/min)	必需汽 蚀余量 NPSHr (m)	效率 Efficiency η (%)	轴功率 Shaft Power P (kw)	配 用 电 机 Mating motor		重量 Weight (kg)	泵外形尺寸 (长×宽×高) Overall dimensions L×W×H (mm)	口 径 Dia. of pump (mm)	
							功率 Power (kw)	规 格 Specif			吸入 Inlet	吐出 Outlet
1.5/1C-HH	5.04 10.08 15.12	37.4 37 36.2	1400		10 18 25	5.2 5.7 6	7.5 11 15	Y132M-4 Y160M-4 Y160L-4	318	759×540×508	38	25
1.5/1C-HH	5.26 10.44 15.48	40.7 40.3 39.5	1460		10 18 24	5.9 6.4 7	7.5 11 15	Y132M-4 Y160M-4 Y160L-4	318	759×540×508	38	25
1.5/1C-HH	5.4 10.44 15.48	43 42.5 42	1500		10 18 24	6.4 6.7 7.4	11 15 18.5	Y160M-4 Y160L-4 Y180M-4	318	759×540×508	38	25
1.5/1C-HH	5.4 10.44 15.48	46 45.3 44.5	1550		10 17 24	6.8 7.6 7.8	11 15 18.5	Y160M-4 Y160L-4 Y180M-4	318	759×540×508	38	25
1.5/1C-HH	5.58 10.8 15.84	49 48.3 47.5	1600		10 17 23	7.5 8.4 8.9	11 15 18.5	Y160M-4 Y160L-4 Y180M-4	318	759×540×508	38	25
1.5/1C-HH	5.76 10.8 16.02	52.4 51.9 51	1650		10 17 23	8.3 9 9.7	15 18.5 22	Y160L-4 Y180M-4 Y180L-4	318	759×540×508	38	25
1.5/1C-HH	5.94 11.16 16.2	55 54.5 63.8	1700		10 16 22.5	8.9 10.4 10.6	15 18.5 22	Y160L-4 Y180M-4 Y180L-4	318	759×540×508	38	25
1.5/1C-HH	6.12 11.16 16.2	58.1 57.6 57	1750		10 16 22	9.7 11 11.5	15 18.5 22	Y160L-4 Y180M-4 Y180L-4	318	759×540×508	38	25
1.5/1C-HH	6.3 11.34 16.38	61.5 61 60	1800		10 16 22	10.6 11.8 12.2	18.5 22 30	Y160L-2 Y180L-4 Y200L ₁ -2	318	759×540×508	38	25
1.5/1C-HH	6.48 11.52 16.56	65 64.7 64	1850		10 16 22	11.5 12.7 13.2	18.5 22 30	Y160L-2 Y180L-4 Y200L-4	318	759×540×508	38	25
1.5/1C-HH	6.48 11.88 16.74	68.8 68.4 67.6	1900		10 16 22	12.8 13.8 14.7	22 30 30	Y160L-2 Y180L-4 Y200L-4	318	759×540×508	38	25
1.5/1C-HH	7.02 11.88 16.92	72.4 72 71	1950		10 15 21	13.9 15.5 15.6	22 30 30	Y180M-2 Y200L ₁ -2	318	759×540×508	38	25
1.5/1C-HH	7.2 12.24 17.1	72.6 75.2 74	2000		10 16 21	15 15.7 16.4	22 30 30	Y180M-2 Y200L ₁ -2	318	759×540×508	38	25
1.5/1C-HH	7.38 12.24 17.28	80.1 79.5 78.8	2050		10 16 21	16.1 17.7 18.6	22 30 30	Y180M-2 Y200L ₁ -2	318	759×540×508	38	25
1.5/1C-HH	7.74 12.6 17.46	83.8 82.9 82.2	2100		10 15 20	17.7 19 19.6	30 30 30	Y200L ₁ -2	318	759×540×508	38	25
1.5/1C-HH	7.92 12.96 17.64	87.9 87 86	2150		10 15 20		30	Y200L ₁ -2	318	759×540×508	38	25
1.5/1C-HH	8.1 12.96 18	92 91.3 90	2200		10 15 20	20.3 21.5 22.1	30	Y200L ₁ -2	318	759×540×508	38	25
2/1.5B-AH(R)	7.2 14.4 21.6	8.5 8 7	1200	3	18 25 35	0.93 1.25 1.18	1.5 2.2	Y90L-4 Y100L ₁ -4	104	592×410×381	51	38
2/1.5B-AH(R)	7.92 15.12 22.68	12 11.2 10.3	1420	3	19 30 35	1.36 1.54 1.82	2.2 3	Y100L ₁ -4 Y100L ₂ -4	104	592×410×381	51	38
2/1.5B-AH(R)	9 18 25.92	15.1 14.4 13	1600	3	20 33 38	1.85 2.14 2.41	3 4	Y100L-4 Y112M-2	104	592×410×381	51	38

型 号 TYPE	流量 Capacity Q (m ³ /h)	扬程 Head H (m)	转速 Speed n (r/min)	必需汽 蚀余量 NPSHr (m)	效率 Efficiency η (%)	轴功率 Shaft Power P (kw)	配 用 电 机 Mating motor		重量 Weight (kg)	泵外形尺寸 (长×宽×高) Overall dimensions L×W×H (mm)	口 径 Dia. of pump (mm)	
							功率 Power (kw)	规 格 Specif			吸入 Inlet	吐出 Outlet
2/1.5B-AH(R)	10.8	19.3	1800	3	23	2.47	4	Y112M-2	104	592×410×381	51	38
	19.8	18.3			35	2.82						
	28.8	17			40	3.33	5.5	Y132S ₁ -2				
2/1.5B-AHR)	10.8	21.6	1900	3	24	2.65	4	Y112M-2	104	592×410×381	51	38
	21.6	20.5			37	3.26	5.5	Y132S ₁ -2				
	31.32	18.9			42	3.84	7.5	Y132S ₂ -2				
2/1.5B-AH(R)	11.52	24	2000	3	25	3.01	4	Y112M-2	104	592×410×381	51	38
	21.6	23			37	3.66	5.5	Y132S ₁ -2				
	33.12	2.8			43	4.36	7.5	Y132S ₂ -2				
2/1.5B-AH(R)	12.6	26.5	2100	3	29	3.14	5.5	Y132S ₁ -2	104	592×410×381	51	38
	23.4	25.2			49	4.02						
	34.2	22.8			44	4.83	7.5	Y132S ₂ -2				
2/1.5B-AH(R)	12.96	29	2200	3	29	3.53	5.5	Y132S ₁ -2	104	592×410×381	51	38
	25.2	27.4			41	4.59	7.5	Y132S ₂ -2				
	36	25			45	5.45	11	Y160M ₁ -2				
2/1.5B-AH(R)	13.68	31.7	2300	3	29	4.07	5.5	Y132S ₁ -2	104	592×410×381	51	38
	25.92	30		3	41	5.16	7.5	Y132S ₂ -2				
	37.44	27.2		3.5	45	6.16	11	Y160M ₁ -2				
2/1.5B-AH(R)	14.4	34.4	2400	3	30	4.5	7.5	Y132S ₂ -2	104	592×410×381	51	38
	27	32.6		3	42	5.71						
	38.88	29.6		4	45	6.96	11	Y160M ₁ -2				
2/1.5B-AH(R)	15.12	37.6	2500	3	30	5.16	7.5	Y132S ₂ -2	104	592×410×381	51	38
	28.8	35.5		3	43	6.48	11	Y160M ₁ -2				
	41.04	32.2		4	45	8	15	Y160M ₂ -2				
2/1.5B-AH(R)	15.48	40.0	2600	3	30	5.68	7.5	Y132S ₂ -2	104	592×410×381	51	38
	28.8	38.3		3	43	6.99	11	Y160M ₁ -2				
	42.48	34.6		5	45	8.89	15	Y160M ₂ -2				
2/1.5B-AH	16.2	44	2700	3	30	6.47	11	Y160M ₁ -2	104	592×410×381	51	38
	30.6	41.9		3.2	43	8.12						
	44.64	37.6		5.2	45	10.16	15	Y160M ₂ -2				
2/1.5B-AH	16.2	47	2800	3	30	6.91	11	Y160M ₁ -2	104	592×410×381	51	38
	30.6	45		3.2	42	8.93						
	46.08	40.5		6	45	11.29	15	Y160M ₂ -2				
2/1.5B-AH	18	54	3000	3	30	8.82			104	592×410×381	51	38
	32.4	51		3.5	42	10.71	15	Y160M ₂ -2				
	48.6	46		6.5	45	13.53						
2/1.5B-AH	21.6	61	3200				15	Y160M ₂ -2	104	592×410×381	51	38
	37.8	57										
3/2C-AH(R)	21.6	14.5	1300	3	45	1.9	4	Y112M-4	191	768×476×464	76	51
	32.4	14			52	2.38						
	42.48	13			56	2.69	5.5	Y132S-4				
3/2C-AH(R)	25.2	17.3	1400	3	45	2.64	5.5	Y132S-4	191	768×476×464	76	51
	36	16.7			53	3.09						
	46.08	15.8			56	3.54	7.5	Y132M-4				
3/2C-AH(R)	25.2	19.3	1500	3	45	2.94	4	Y112M-4	191	768×476×464	76	51
	36	18.7			52	3.53	5.5	Y132S-4				
	48.6	17.5			58	4.14	7.5	Y132M-4				
3/2C-AH(R)	27	22	1600	3	45	3.60	5.5	Y132S-4	191	768×476×464	76	51
	39.6	21			52	4.36						
	52.2	20			56	5.08	7.5	Y132M-4				
3/2C-AH(R)	28.8	24.8	1700	3	45	4.32	7.5	Y132M-4	191	768×476×464	76	51
	43.2	23.8		3	53	5.28						
	55.8	22.2		3.5	56	6.02	11	Y160M-4				
3/2C-AH(R)	30.24	27.8	1800	3	45	5.09	7.5	Y132M-4	191	768×476×464	76	51
	45	26.3		3	53	6.08						
	58.68	25		4	56	7.13	11	Y160M ₁ -2				
3/2C-AH(R)	32.4	31	1900	3	45	6.08			191	768×476×464	76	51
	46.8	30		3	52	7.35	11	Y160M ₁ -2				
	61.2	28		4.2	56	8.33	15	Y160M ₂ -2				

型 号 TYPE	流量 Capacity Q (m ³ /h)	扬程 Head H (m)	转速 Speed n (r/min)	必需汽 蚀余量 NPSH _r (m)	效率 Efficiency η (%)	轴功率 Shaft Power P (kw)	配 用 电 机 Mating motor		重量 Weight (kg)	泵外形尺寸 (长×宽×高) Overall dimensions L×W×H (mm)	口 径 Dia. of pump (mm)	
							功率 Power (kw)	规 格 Specif			吸入 Inlet	吐出 Outlet
3/2C-AH(R)	33.48	34.2	2000	3	45	6.93	11	Y160M ₁ -2	191	768×476×464	76	51
	50.4	32.6		3.2	53	8.44	15	Y160M ₂ -2				
	65.52	30.7		4.6	56	9.78	18.5	Y160L-2				
3/2C-AH(R)	35.28	38	2100	3	45	8.11	15	Y160M ₂ -2	191	768×476×464	76	51
	52.2	36.1		3.5	53	9.68	18.5	Y160L-2				
	69.12	34		5.2	56	11.43	22	Y180M-2				
3/2C-AH	37.08	41.3	2200	3	45	9.27	15	Y160M ₂ -2	191	768×476×464	76	51
	54	39.7		4	53	11.02	18.5	Y160L-2				
	72	37.4		5.5	56	13.1	22	Y180M-2				
3/2C-AH	37.8	45.2	2300	3	45	10.34	18.5	Y160L-2	191	768×476×464	76	51
	57.6	43.4		4.5	53	12.84	22	Y180M-2				
	75.6	40.5		6	56	14.89	30	Y200L ₁ -2				
3/2C-AH	46.08	53.5	2500	5	45	14.9	22	Y180M-2	191	768×476×464	76	51
	64.8	51		7	53	17.3	30	Y200L ₁ -2				
	81	48			56	18.9						
3/2C-AH	50.4	62.3	2700	4	45	18.7	22	Y180M-2	191	768×476×464	76	51
	64.8	60		5.5	53	20.4	30	Y200L ₁ -2				
	88.56	56		8	56	24.1						
3/2D-HH	18	29	850	3	20	7.1	15	Y180L-6	750	986×768×698	76	51
	45	30			38	9.7	18.5	Y180M-4				
	72	28			45	12.2	22	Y180L-4				
3/2D-HH	18.72	33	900	3	20	8.4	15	Y180L-6	750	986×768×698	76	51
	46.44	33.5			38	11.2	22	Y200L ₂ -6				
	73.8	31			45	13.9	30	Y225M-6				
3/2D-HH	19.44	37	950	3	20	9.8	18.5	Y180M-4	750	986×768×698	76	51
	47.52	37.5			38	12.8	22	Y180L-4				
	75.6	35			45	16	30	Y200L-4				
3/2D-HH	19.8	39.7	980	3	20	10.7	30	Y225M-6	750	986×768×698	76	51
	46.8	39.7			35	14.5		Y250M-6				
	75.6	37.8			45	17.3	37					
3/2D-HH	21.6	45.1	1050	3	20	13.3	22	Y180L-4	750	986×768×698	76	51
	50.04	45.5			37	16.8	30	Y200L-4				
	78.12	44			45	20.8	37	Y225S-4				
3/2D-HH	23.4	50	1100	3	20	16	22	Y180L-4	750	986×768×698	76	51
	51.48	50			36	19.5	30	Y200L-4				
	79.2	48			45	23	37	Y225S-4				
3/2D-HH	24.48	54.8	1150	3	20	18.3	30	Y200L-4	750	986×768×698	76	51
	52.56	55			35	22.5	37	Y225S-4				
	80.64	53			44	26.5	45	Y225M-4				
3/2D-HH	25.2	59	1200	3	20	20.3	30	Y200L-4	750	986×768×698	76	51
	53.28	59.8			34	25.3	37	Y225S-4				
	81.36	58			44	29.2	45	Y225M-4				
3/2D-HH	27	64.3	1250	3	20	23.7	37	Y225S-4	750	986×768×698	76	51
	55.08	65.1			34	28.7	45	Y225M-4				
	82.8	63.8			44	32.7	55	Y250M-4				
3/2D-HH	28.08	70	1300	3	20	26.8	37	Y225S-4	750	986×768×698	76	51
	55.8	70			34	31.3	45	Y225M-4				
	83.52	68			43	36	55	Y250M-4				
3/2D-HH	28.8	75.2	1350	3	20	29.5	45	Y225M-4	750	986×768×698	76	51
	56.88	75.5			33	35.5		Y250M-4				
	84.6	74			42	40.6	55					
3/2D-HH	30.6	81	1400	3	20	33.8			750	986×768×698	76	51
	58.68	81.2			33	39.4	55	Y250M-4				
	85.68	79.8			42	44.4						
3/2D-HH	30.6	87	1450	3	20	36.3			750	986×768×698	76	51
	58.68	88			32	44	55	Y250M-4				
	86.4	86			42	48.2						
4/3C-AH(R)	28.8	11	1000	2.2	50	1.73	5.5	Y132S-4	263	843×584×516	102	76
	68.4	10.1			69	2.73						
	102	76			65	3.44	7.5	Y132M-4				

型 号 TYPE	流量 Capacity Q (m ³ /h)	扬程 Head H (m)	转速 Speed n (r/min)	必需汽 蚀余量 NPSHr (m)	效率 Efficiency η (%)	轴功率 Shaft Power P (kw)	配 用 电 机 Mating motor		重量 Weight (kg)	泵外形尺寸 (长×宽×高) Overall dimensions L×W×H (mm)	口 径 Dia. of pump (mm)	
							功率 Power (kw)	规 格 Specif			吸入 Inlet	吐出 Outlet
4/3C-AH(R)	32.4	13.2	1100	2.4	50	2.33	5.5	Y132S-4	263	843×584×516	102	76
	72	12.2			69	3.47	7.5	Y160M-6				
	111.6	9.6			67	4.35						
4/3C-AH(R)	36	15.9	1200	2.7	50	3.12	7.5	Y132M-4	263	843×584×516	102	76
	75.6	14.7			68	4.45	11	Y160M-4				
	115.92	12.2			68	5.66						
4/3C-AH(R)	39.6	18.6	1300	2.2	50	4.01	7.5	Y132M-4	263	843×584×516	102	76
	82.8	17.2		2.2	68	5.7	11	Y160M-4				
	122.4	14.6		3	69	7.05						
4/3C-AH(R)	43.2	21.6	1400	2.5	50	5.08	11	Y160M-4	263	843×584×516	102	76
	86.4	20.2		2.5	67	7.13	15	Y160L-4				
	126.7	17.3		3.5	70	8.53	18.5	Y180M-4				
4/3C-AH(R)	45	23.4	1460	2	50	5.74	15	Y160L-4	263	843×584×516	102	76
	90	21.8		2.7	67	7.97	18.5	Y180M-4				
	129.6	19		3.6	70	9.58	22	Y180L-4				
4/3C-AH(R)	50.4	28	1600	2.3	50	7.69	18.5	Y180M-4	263	843×584×516	102	76
	93.6	26.4		3.1	66	10.2	22	Y180L-4				
	136.8	23		4.2	70	12.24	30	Y200L-4				
4/3C-AH(R)	54	31.8	1700	2.6	50	9.35	18.5	Y180M-4	263	843×584×516	102	76
	100.8	30		3.5	66	12.48	22	Y180L-4				
	144	26		4.6	70.5	14.46	30	Y200L-4				
4/3C-AH(R)	54	35.6	1800	3	50	10.47	22	Y180M-2	263	843×584×516	102	76
	100.8	33.6		3.8	66	13.98	30	Y200L ₁ -2				
	149.4	29.5		5	70.5	17.02						
4/3C-AH	57.6	39.7	1900	3.2	50	12.45	22	Y180M-2	263	843×584×516	102	76
	108	37.6		4.2	66	16.76	30	Y200L ₁ -2				
	154.8	33.2		5.5	70.5	19.82						
4/3C-AH	61.2	44	2000	3.6	50	14.67	30	Y200L ₁ -2	263	843×584×516	102	76
	108	42		4.5	65	19						
	158.4	37.1		6	74	22.54						
4/3D-AH(R)	28.8	11	1000	2.2	50	1.73	5.5	Y132S-4	363	943×584×592	102	76
	68.4	10.1			69	2.73	7.5	Y132M-4				
	108	7.6			65	3.44						
4/3D-AH(R)	32.4	13.2	1100	2.4	50	2.33	5.5	Y132S-4	363	943×584×592	102	76
	72	12.2			69	3.47	7.5	Y132M-4				
	111.6	9.6			67	4.35						
4/3D-AH(R)	36	15.9	1200	2.7	50	3.12	7.5	Y132M-4	363	943×584×592	102	76
	75.6	14.7			68	4.45	11	Y160M-4				
	115.9	12.2			68	5.66						
4/3D-AH(R)	39.6	18.6	1300	2.2	50	4.01	7.5	Y132M-4	363	943×584×592	102	76
	82.8	17.2		2.2	68	5.7	11	Y160M-4				
	122.4	14.6		2.3	69	7.05						
4/3D-AH(R)	43.20	21.60	1400	2.5	50	5.08	11	Y160M-4	363	943×584×592	102	76
	86.40	20.02		2.5	66	7.13	15	Y160L-4				
	126.70	17.30		3.5	70	8.53	18.5	Y180M-4				
4/3D-AH(R)	50.40	28.00	1600	2.3	50	7.69	18.5	Y180M-4	363	943×584×592	102	76
	93.60	26.40		3.1	66	10.2	22	Y180L-4				
	136.80	23.00		4.2	70	12.24	30	Y200M-4				
4/3D-AH(R)	54.00	31.80	1700	2.6	50	9.35	18.5	Y180M-4	363	943×584×592	102	76
	100.80	30.00		3.5	66	12.48	22	Y180L-4				
	144.00	26.00		4.6	70.5	14.46	30	Y200L-4				
4/3D-AH(R)	54.00	35.60	1800	3	50	10.47	22	Y180M-2	363	943×584×592	102	76
	100.80	33.60		3.8	66	13.98	30	Y200L ₁ -2				
	149.40	29.50		5	70.5	17.02						
4/3D-AH	57.60	39.70	1900	3.2	50	12.45	22	Y180M-2	363	943×584×592	102	76
	108.00	37.60		4.2	66	16.76	30	Y200L ₁ -2				
	154.80	33.20		5.5	70.5	19.85	37	Y200L ₂ -2				
4/3D-AH	61.20	44.00	2000	3.6	50	14.67	30	Y200L-4	363	943×584×592	102	76
	108.00	42.00		4.5	65	19	37	Y225S-4				
	158.40	37.10		6.0	74	22.54	45	Y255M-4				

型 号 TYPE	流量 Capacity Q (m ³ /h)	扬程 Head H (m)	转速 Speed n (r/min)	必需汽 蚀余量 NPSHr (m)	效率 Efficiency η (%)	轴功率 Shaft Power P (kw)	配 用 电 机 Mating motor		重量 Weight (kg)	泵外形尺寸 (长×宽×高) Overall dimensions L×W×H (mm)	口 径 Dia. of pump (mm)	
							功率 Power (kw)	规 格 Specif			吸入 Inlet	吐出 Outlet
4/3E-HH	43.2	32.5	800	1.5	27	14.2	30	Y225M-6	1250	1240×984×889	102	76
	90	31.5		1.8	40	19.3	45	Y280S-6				
	136.8	29.7		2.7	46	24.1	18.5	Y200L ₁ -6				
4/3E-HH	45	36.8	850	1.5	27	16.7	37	Y250M-6	1250	1240×984×889	102	76
	93.6	35.1		1.8	40	22.4	45	Y225M-4				
	140.4	33		2.6	46	27.5	55	Y280M-6				
4/3E-HH	46.8	40.7	900	1.5	27	19.2	45	Y280S-6	1250	1240×984×889	102	76
	95.4	39.8		1.8	40	25.9	55	Y280M-6				
	144	37.5		2.7	47	31.3	30	Y225M-6				
4/3E-HH	48.6	44	940	1.5	27	21.6	30	Y225M-6	1250	1240×984×889	102	76
	97.2	42.7		1.8	40	28.3	45	Y280S-6				
	147.6	41		2.7	47	35.1	55	Y280M-6				
4/3E-HH	50.4	48	980	1.5	27	24.4	37	Y250M-6	1250	1240×984×889	102	76
	100.8	46.8		1.8	40	32.1	45	Y280S-6				
	151.2	44.8		2.8	48	38.5	55	Y280M-6				
4/3E-HH	52.2	50.1	1000	1.5	27	26.4	45	Y225M-4	1250	1240×984×889	102	76
	102.6	48.8		1.9	40	34.1	55	Y280M-6				
	153	46.6		2.9	48	40.5	75	Y280S-4				
4/3E-HH	54	55.8	1050	1.5	28	29.3	45	Y225M-4	1250	1240×984×889	102	76
	106.2	54.9		1.8	40	39.7	75	Y280S-4				
	158.4	52		3	48	46.8	90	Y280M-4				
4/3E-HH	57.6	61	1100	1.5	28	34.2	45	Y225M-4	1250	1240×984×884	102	76
	111.6	60		1.8	40	45.6	75	Y280S-4				
	165.6	57		3.1	48	53.6	90	Y280M-4				
4/3E-HH	61.2	67	1150	1.5	28	39.9	55	Y250M-4	1250	1240×984×884	102	76
	115.2	65		2	40	51	75	Y280S-4				
	169.2	62		3.2	48	59.5	90	Y280M-4				
4/3E-HH	64.8	72.5	1200	1.5	28	45.7	75	Y280S-4	1250	1240×984×884	102	76
	122.4	70.1		2.1	40	58.4	90	Y280M-4				
	176.4	67.5		3.4	48	69	110	Y315S-4				
4/3E-HH	68.4	79.1	1250	1.5	28	52.7	75	Y280S-4	1250	1240×984×884	102	76
	122.4	77.5		2.1	40	64.6	90	Y280M-4				
	180	74		3.6	47	77.2	110	Y315S-4				
4/3E-HH	72	85.1	1300	1.5	28	59.6	90	Y280M-4	1250	1240×984×884	102	76
	129.6	83.2		2.2	40	73.4	110	Y315S-4				
	187.2	80		3.7	47	86.8	110	Y315S-4				
4/3E-HH	75.6	92.5	1350	1.5	27	70.5	110	Y315S-4	1250	1240×984×884	102	76
	136.8	90		2.4	40	83.8	90	Y280M-4				
	194.4	86.3		4	45	101.5	90	Y280M-4				
4/3E-HH	79.2	99.4	1400	1.5	27	79.4	110	Y315S-4	1250	1240×984×884	102	76
	140.4	96		2.5	39	94.1						
	201.6	93										
6/4D-AH(R)	72	16	800	3	50	6.27	15	Y160L-4	626	1021×812×668	152	102
	133.2	14.6			65	8.15	18.5	Y180M-4				
	194.4	12.6			68	9.81	22	Y180L-4				
6/4D-AH(R)	79.2	20	900	3	50	8.63	18.5	Y80M-4	626	1021×812×668	152	102
	147.6	18.4		3	65	11.38	22	Y180L-4				
	216	16		3.3	68	13.84	30	Y225M-6				
6/4D-AH(R)	86.4	23.7	980	3	50	11.15	22	Y200L ₂ -6	626	1021×812×668	152	102
	162	21.7		3	65	14.73	30	Y225M-6				
	234	18.9		3.7	68	17.71	37	Y250M-6				
6/4D-AH(R)	90	24.8	1000	3	50	12.16	22	Y180L-4	626	1021×812×668	152	102
	162	22.6		3	65	15.34	30	Y200L-4				
	237.6	19.7		3.8	68	18.75	37	Y250M-6				
6/4D-AH(R)	93.6	27	1050	3	50	13.76	22	Y180L-4	626	1021×812×668	152	102
	172.8	25		3.1	65	18.1	30	Y200L-4				
	252	21.7		4	68	11.9	37	Y225S-4				
6/4D-AH(R)	100.8	30	1100	3	50	16.47	30	Y200L-4	626	1021×812×668	152	102
	180	27.6		3.5	65	20.81	37	Y225S-4				
	262.8	24		4.5	68	25.26	45	Y225M-4				

型 号 TYPE	流量 Capacity Q (m ³ /h)	扬程 Head H (m)	转速 Speed n (r/min)	必需汽 蚀余量 NPSHr (m)	效率 Efficiency η (%)	轴功率 Shaft Power P (kw)	配 用 电 机 Mating motor		重量 Weight (kg)	泵外形尺寸 (长×宽×高) Overall dimensions L×W×H (mm)	口 径 Dia. of pump (mm)	
							功率 Power (kw)	规 格 Specif			吸入 Inlet	吐出 Outlet
6/4D-AH(R)	108	32	1150	3	50	18.82	37	Y225S-4	626	1021×812×668	152	102
	194.4	29.9		3.7	65	24.35	45	Y225M-4				
	277.2	26		4.8	68	28.86	55	Y250M-4				
6/4D-AH(R)	115.2	35.4	1200	3	50	22.21	37	Y225S-4	626	1021×812×668	152	102
	201.6	32.2		4	65	27.2	45	Y225M-4				
	288	29.4		5	68	32.76	55	Y250M-4				
6/4D-AH(R)	111.6	38.5	1250	3.1	50	23.4	37	Y225S-4	626	1021×812×668	152	102
	205.2	35.5		4	65	30.52	45	Y225M-4				
	298.8	30.6		5.3	68	36.62	55	Y250M-4				
6/4D-AH(R)	115.2	41.7	1300	3.4	50	26.16	45	Y225M-4	626	1021×812×668	152	102
	212.4	38.2		4.3	65	33.99	55	Y250M-4				
	309.6	33.4		5.7	68	41.41	55	Y250M-4				
6/4D-AH(R)	118.8	44.7	1350	3.5	50	28.92	45	Y225M-4	626	1021×812×668	152	102
	223.2	41		4.6	65	38.34	55	Y250M-4				
	324	35.6		6	68	46.19	55	Y250M-4				
6/4D-AH	122.4	48	1400	3.7	50	32	55	Y250M-4	626	1021×812×668	152	102
	226.8	44		4.8	65	41.81	55	Y250M-4				
	331.2	38.5		6.5	68	51.07	55	Y250M-4				
6/4D-AH	129.6	54	1480	4	50		45	Y225M-4	626	1021×812×668	152	102
	248.4	49.5		5.2	65		55	Y250M-4				
	356.4	43		7	68		55	Y250M-4				
6/4E-AH(R)	93.60	27.00	1050	3	50	13.76	22	Y180L-4	728	1178×812×795	152	102
	172.80	25.00		3.1	65	18.1	30	Y200L-4				
	252.00	21.70		4	68	11.9	37	Y225S-4				
6/4E-AH(R)	100.80	30.00	1100	3	50	16.47	37	Y225S-4	728	1178×812×795	152	102
	180.00	27.60		3.5	65	20.81	45	Y250M-4				
	262.80	24.00		4.5	68	25.26	45	Y250M-4				
6/4E-AH(R)	108.00	32.00	1150	3	50	18.82	37	Y225S-4	728	1178×812×795	152	102
	194.40	29.90		3.7	65	24.35	45	Y225M-4				
	277.20	26.00		4.8	68	28.86	55	Y250M-4				
6/4E-AH(R)	115.20	35.40	1200	3	50	22.21	45	Y225M-4	728	1178×812×795	152	102
	201.60	32.20		4	65	27.2	55	Y250M-4				
	288.00	28.40		5	68	32.76	55	Y250M-4				
6/4E-AH(R)	111.6	38.5	1250	3.1	50	23.4	37	Y225S-4	728	1178×812×795	152	102
	205.2	35.5		4	65	30.52	45	Y225M-4				
	298.8	30.6		5.3	68	36.62	55	Y250M-4				
6/4E-AH(R)	115.2	41.7	1300	3.4	50	26.16	55	Y250M-4	728	1178×812×795	152	102
	212.4	38.2		4.3	65	33.99	75	280S-4				
	309.6	33.4		5.7	68	41.41	75	280S-4				
6/4E-AH(R)	118.8	44.7	1350	3.5	50	28.92	45	Y225S-4	728	1178×812×795	152	102
	223.2	41		4.6	65	38.34	55	Y250M-4				
	324.0	35.6		6	68	46.19	75	Y280M-4				
6/4E-AH	122.4	48	1400	3.7	50	32	55	Y250M-4	728	1178×812×795	152	102
	226.8	44		4.8	65	41.81	75	Y280S-4				
	331.2	38.5		6.5	68	51.07	90	Y280M-4				
6/4E-AH	129.6	54	1480	4	50		75	Y280S-4	728	1178×812×795	152	102
	248.4	49.5		5.2	65		90	Y280M-4				
	356.4	43		7	68		110	Y315S-4				
6/4E-AH	133.2	56	1500	4	50		75	Y280S-4	728	1178×812×795	152	102
	252.0	51		5.3	65		90	Y280M-4				
	360	44		7.1	68		110	Y315S-4				
6/4E-AH	140.0	63	1600	4.5	50		90	Y280M-4	728	1178×812×795	152	102
	268.2	57.5		6	65		110	Y315S-4				
	385.2	50.5		8	68		115	JS114-4				
6/4F-HH	100	36	600	2	40		45	Y315S-10	3430	1560×1210×1160	150	100
	180	35.5		2	52		55	Y315M1-10				
	250	34		2	60		55	Y315M1-10				
6/4F-HH	122	48	700	2	40		55	Y315S-8	3430	1560×1210×1160	150	100
	198	47		2	52		75	Y315M ₁ -8				
	280	46		2.2	60		90	Y315M ₂ -8				

型 号 TYPE	流量 Capacity Q (m ³ /h)	扬程 Head H (m)	转速 Speed n (r/min)	必需汽 蚀余量 NPSHr (m)	效率 Efficiency η (%)	轴功率 Shaft Power P (kw)	配 用 电 机 Mating motor		重量 Weight (kg)	泵外形尺寸 (长×宽×高) Overall dimensions L×W×H (mm)	口 径 Dia. of pump (mm)	
							功率 Power (kw)	规 格 Specif			吸入 Inlet	吐出 Outlet
6/4F-HH(R)	126	54	740	2	40		75	Y315M ₁ -8	3430	1560×1210×1160	150	100
	216	53.5		2	52		90	Y315M ₂ -8				
	306	52.5		2.5	60		110	Y315M ₃ -8				
6/4F-HH(R)	144	63	800	2	40		90	Y315M ₁ -6	3430	1560×1210×1160	150	100
	234	62.5		2.2	52		110	Y315M ₂ -6				
	325	61		2.8	60		132	Y315M ₃ -6				
6/4F-HH(R)	150	79.5	900	2	40		132	Y315M ₃ -6	3430	1560×1210×1160	150	100
	270	79		2.6	52		160	Y355M ₁ -6				
	370	77		3.5	60		185	Y355M ₂ -6				
6/4F-HH(R)	170	96.5	990	2.4	40		160	Y355M ₁ -6	3430	1560×1210×1160	150	100
	290	95		3.2	52		185	Y355M ₂ -6				
	370	92		4.2	60		220	Y355L ₁ -6				
6/4F-HH(R)	175	98	1000	2.5	40		185	Y315M ₂ -6	3430	1560×1210×1160	150	100
	306	97		3.2	52		220	Y315L ₂ -6				
	414	94		4.2	60		250	Y315L ₂ -6				
8/6E-AH(R)	126	12	500	2	51	8.1	22	Y225M-8	1473	1302×1102×917	203	152
	255	11.4			66	10.6	18.5	Y225S-8				
	324	10			72	12.3	30	Y250M-8				
8/6E-AH(R)	126	14.6	550	2	50	10	15	Y200L-8	1473	1302×1102×917	203	152
	252	13.5			67	13.8	22	Y225M-8				
	360	12.2			72	16.6	30	Y250M-8				
8/6E-AH(R)	144	17.4	600	2	50	13.7	30	Y250M-8	1473	1302×1102×917	203	152
	270	16.3		2	66	18.2	22	Y225M-8				
	396	14.6		2.5	72	21.9	37	Y280S-8				
8/6E-AH(R)	162	20.2	650	2	50	17.8	30	Y250M-8	1473	1302×1102×917	203	152
	306	19		2	66	23.6	37	Y280S-8				
	432	17		3	72	27.8	45	Y280M-8				
8/6E-AH(R)	162	23.6	700	2	50	20.8	30	Y225M-6	1473	1302×1102×917	203	152
	306	22.2		2	66	28	37	Y250M-6				
	450	20		3.2	72	34	45	Y280S-6				
8/6E-AH(R)	180	28.2	770	2	50	27.7	45	Y280S-6	1473	1302×1102×917	203	152
	342	27		2.3	66	38.1	55	Y280M-6				
	504	23.9		4	72	45.6	90	Y315M-6				
8/6E-AH(R)	180	30.8	800	2	50	30.2	55	Y280M-6	1473	1302×1102×917	203	152
	360	29		2.4	66	43.1	75	Y280S-4				
	522	26		4.2	72	51.4	90	Y280M-4				
8/6E-AH(R)	197.3	34.6	850	2	50	37.2	75	Y280S-4	1473	1302×1102×917	203	152
	374	33		2.5	66	51	90	Y315M ₁ -6				
	554	29.3		5	72	61.4	110	Y315M ₂ -6				
8/6E-AH(R)	208.8	38.8	900	2	50	44.1	90	Y280M-4	1473	1302×1102×917	203	152
	396	37		3	66	65	115	JS114-4				
	586.38	32.8		5.5	72	72.8	75	Y280S-4				
8/6E-AH(R)	218.2	42.3	940	2	50	50.3	110	Y315M ₂ -6	1473	1302×1102×917	203	152
	413.6	40.4		3.3	66	69						
	612.7	35.8		6	72	83	90	Y315M ₁ -6				
8/6E-AH(R)	229.3	46.1	980	2	50	57.6	75	Y315S-6	1473	1302×1102×917	203	152
	432	44		4	68	78.5	90	Y315M-6				
	635	38.9		6.5	72	93.5	110	Y315L ₁ -6				
8/6E-AH(R)	234	48	1000	2	50	61.2	115	JS114-4	1473	1302×1102×917	203	152
	441	45.8		4	66	83.4	90	Y280M-4				
	648	40.5		7.5	72	99.3	110	Y315M ₂ -6				
8/6E-AH	252	58	1100	4	50	79.6	110	Y315S-4	1473	1302×1102×917	203	152
	439.2	56		4	65	103.05						
	565.2	53		6	70	116.54	115	JS114-4				
8/6R-AH(R)	208.8	38.8	900	2	50	44.1	110	Y315L ₁ -6	1655	1360×1102×810	203	152
	369	37		3	66	65						
	586.38	32.8		5.5	72	72.8	132	Y315L ₂ -6				
8/6R-AH(R)	218.2	42.3	940	2	50	50.3	110	Y315L ₁ -6	1655	1360×1102×810	203	152
	413.6	40.4		3.3	66	69						
	612.7	35.8		6	72	83	132	Y315L ₂ -6				

型 号 TYPE	流量 Capacity Q (m ³ /h)	扬程 Head H (m)	转速 Speed n (r/min)	必需汽 蚀余量 NPSHr (m)	效率 Efficiency η (%)	轴功率 Shaft Power P (kw)	配 用 电 机 Mating motor		重量 Weight (kg)	泵外形尺寸 (长×宽×高) Overall dimensions L×W×H (mm)	口 径 Dia. of pump (mm)	
							功率 Power (kw)	规 格 Specif			吸入 Inlet	吐出 Outlet
8/6R-AH	229.3	46.1	980	2	50	57.6	130	JS125-6	1655	1360×1102×810	203	152
	432	44		4	68	78.5	132	Y315M ₃ -6				
	653	38.9		6.5	72	93.5	155	JS126-6				
8/6R-AH(R)	234	48	1000	2	50	61.2	155	JS116-4	1655	1360×1102×810	203	152
	441	45.8		4	66	83.4	135	JS115-4				
	648	40.5		7.5	72	99.3	160	Y315L ₁ -4				
8/6R-AH	252	58	1100	4	50	79.6	135	JS115-4	1655	1360×1102×810	203	152
	439.2	56		4	65	103.05	160	Y315L ₁ -4				
	565.2	53		6	70	116.54	180	JS117-4				
8/6R-AH	270	62	1140	4	50	91.18	132	Y315M-4	1655	1360×1102×810	203	152
	450	60		6	65	113.12	160	Y315L ₁ -4				
	594	57		6	70	131.72	180	JS117-4				
10/8E-M	252	19	600	3	50	26.1	45	Y225M-4	1625	1337×1226×927	254	203
	486	17		3	66	34.1	55	Y250M-4				
	720	14.6		4.6	73	39.2	75	Y280S-4				
10/8E-M	270	22.1	650	3	50	32.5	45	Y280M-8	1625	1337×1226×927	254	203
	522	20.1		3.3	66	43.3						
	784.8	17.2		5.4	73	50.4	75	Y315M-8				
10/8E-M	288	25.9	700	3.8	50	40.6	75	Y280S-4	1625	1337×1226×927	254	203
	576	23.1		3.8	67	54.1	90	Y280M-4				
	842.4	20		6	73	62.9	115	JS117-6				
10/8E-M	295.2	28	730	4	50	45	75	Y315M-8	1625	1337×1226×927	254	203
	576	25.4		4	67	59.5	90	Y315L ₁ -8				
	871.2	21.4		6.3	73	69.6	110	Y315L ₂ -8				
10/8E-M	309.6	30.8	770	4.1	50	51.9	110	Y315M ₂ -6	1625	1337×1226×927	254	203
	612	28		4.1	66	70.7						
	921.6	23.9		7	73	82.2	90	Y315M-6				
10/8E-M	324	33.9	800	4.4	50	59.8	90	Y280M-4	1625	1337×1226×927	254	203
	648	30.4		4.4	67	80.1						
	961.2	26		7.5	73	93.2	110	Y315L ₁ -6				
10/8E-M	342	37.9	850	3	50	70.6	110	Y315L ₁ -6	1625	1337×1226×927	254	203
	648	34.4		5	67	95.6						
	1026	29.6		8.4	73	113.3	90	Y315M-6				
10/8E-M	360	43	900	3	50	84.3	110	Y315L ₁ -6	1625	1337×1226×927	254	203
	720	38.6		5.5	67	113						
	1087.2	33		9.2	73	133.8	115	JS117-6				
10/8R-M(R)	295.20	28.00	730	4	50	45	75	Y315M-8	1836	1395×1226×927	254	203
	576.00	25.40		4	67	59.5	90	Y315L ₁ -8				
	871.20	21.40		6.3	73	69.6	110	Y315L ₂ -8				
10/8R-M(R)	309.60	30.80	770	4.1	50	51.9	110	Y315L ₁ -6	1836	1395×1226×927	254	203
	612.00	28.00		4.1	67	70.7						
	921.6	23.90		7	73	82.2	132	Y315L ₂ -6				
10/8R-M(R)	324	33.9	800	4.4	50	59.8	110	Y315L ₁ -6	1836	1395×1226×927	254	203
	648	30.4		4.4	67	80.1	132	Y315L ₂ -6				
	961.2	26		7.5	73	93.2	155	JS126-6				
10/8R-M(R)	342	37.9	850	3	50	70.6	110	Y315L ₁ -6	1836	1395×1226×927	254	203
	684	34.4		5	67	95.6	155	JS126-6				
	1026	29.6		8.4	73	113.3	185	JS127-6				
10/8R-M(R)	360	43	900	3	50	84.3	132	Y315L ₂ -6	1836	1395×1226×927	254	203
	720	38.6		5.5	67	113	155	JS126-6				
	1087.2	33		9.2	73	133.8	185	JS127-6				
10/8R-M(R)	378	46.6	940	3.3	50	95.9	132	Y315L ₂ -6	1836	1395×1226×927	254	203
	756	42.1		6	67	129.4						
	1134	36		10	73	152.3	185	JS127-6				
10/8R-M(R)	396	50.6	980	3.4	50	109.1	185	JS127-6	1836	1395×1226×927	254	203
	792	45.9		6.2	67	147.8	215	JS128-6				
	1188	39		11	73	172.8	240	JS136-6				
10/8R-M(R)	396	52.9	1000	3.6	50	114.1	155	JS116-4	1836	1395×1226×927	254	203
	792	47.9		6.3	67	154.2						
	1209.6	40.7		11.2	73	183.7	180	JS117-4				

I. Assembly Precautions

1. Bearing Assembly (See Figures 5 and 6 of the Bearing Assembly Structural Diagrams)

During assembly, preheat the inner ring of the bearing; the temperature must not exceed 120°C. The inner ring must be tightly seated against the shaft shoulder or grease retainer ring. For double-row tapered roller bearings, the inner ring, outer ring, and locating sleeve are supplied as a complete assembly; these components must not be interchanged with corresponding parts from other bearings of the same type.

For A, B, C, D, E, F, and G-type bearing assemblies, which use single-row tapered roller bearings, adjust the axial clearance during assembly by using shims at the bearing end cap. The axial clearance values must comply with the following table:

Bracket Type	A	B	C	D	E	F, G
Axial Clearance mm	0.05–0.15	0.1–0.2	0.15–0.25	0.18–0.28	0.4–0.6	0.5–0.6

For R, S, ST, T, TU, and U bearing assemblies, double-row tapered roller bearings are used on the pump end. Since the bearings themselves already ensure the axial clearance, no adjustment of the axial clearance is required.

When assembling the bearings, be sure to apply an appropriate amount of bearing grease. The bearing end caps are sealed with labyrinth rings and labyrinth sleeves; when installing the labyrinth rings, ensure that the notches are arranged opposite each other in the diameter direction.

Lithium-based grease No. 2 or No. 3 is recommended for bearing lubrication. Refer to the table below for the amount of grease to apply during assembly:

Unit: grams

Grease Capacity	B	C	D	E	F	G	R.RS	S.ST	T.TU
Drive-side bearing	30	50	100	200	500	1,150	200	500	1,150
Pump-end bearing	30	50	100	200	500	1,150	400	1,000	2,300

2. Assembly of the Packing Gland Seal Assembly

The packing gland assembly includes components such as the stuffing box, shaft sleeve, locating sleeve, sealing ring, packing, packing gasket, water seal ring, and packing gland cover. The water seal ring comes in two designs; see Figures 7 and 8 for installation diagrams. Figure 7 shows the standard installation configuration. When the pump is used in suction applications, the installation method shown in Figure 8 may be selected. During installation, ensure that the sealing ring between the shaft sleeve and the locating sleeve is installed in the correct position.

Packing Selection: When the pump's operating pressure is below 1 MPa (10 kgf/cm^2), asbestos fiber packing impregnated with mica is generally used. When the pressure exceeds 1 MPa (10 kgf/cm^2) or when pumping corrosive slurry, asbestos fiber packing impregnated with polytetrafluoroethylene (PTFE) is used.

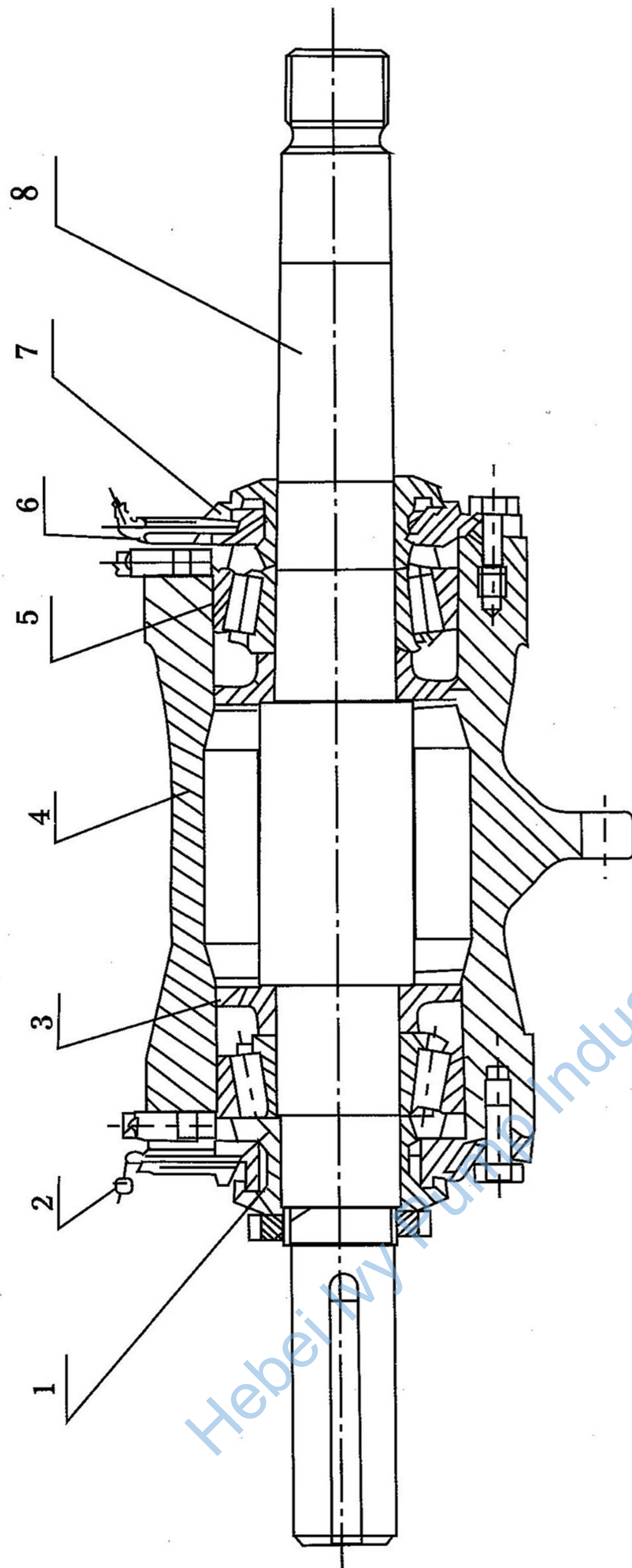


Figure 5: Structural Diagram of Bearing Assemblies B, C, D, E, F, and G

1. Labyrinth sleeve 2. Grease cup 3. Yellow retaining ring 4. Bearing housing 5. Bearing 6. Shim 7. End cap 8. Shaft

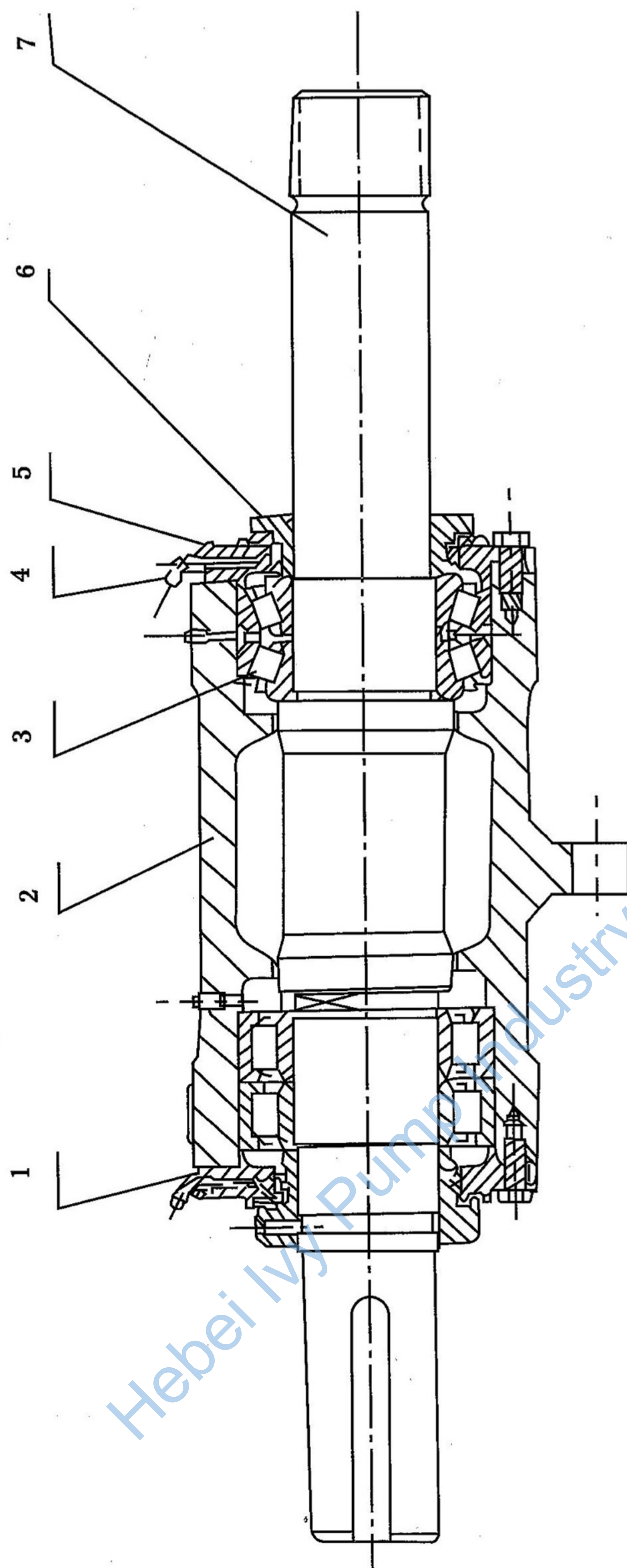


Figure 6: Structural Diagram of R, S, ST, T, TU, and U Bearing Assemblies

- 1. End cap gasket 2. Bearing housing 3. Bearing 4. Grease cup 5. End cap 6. Labyrinth seal 7. Shaft

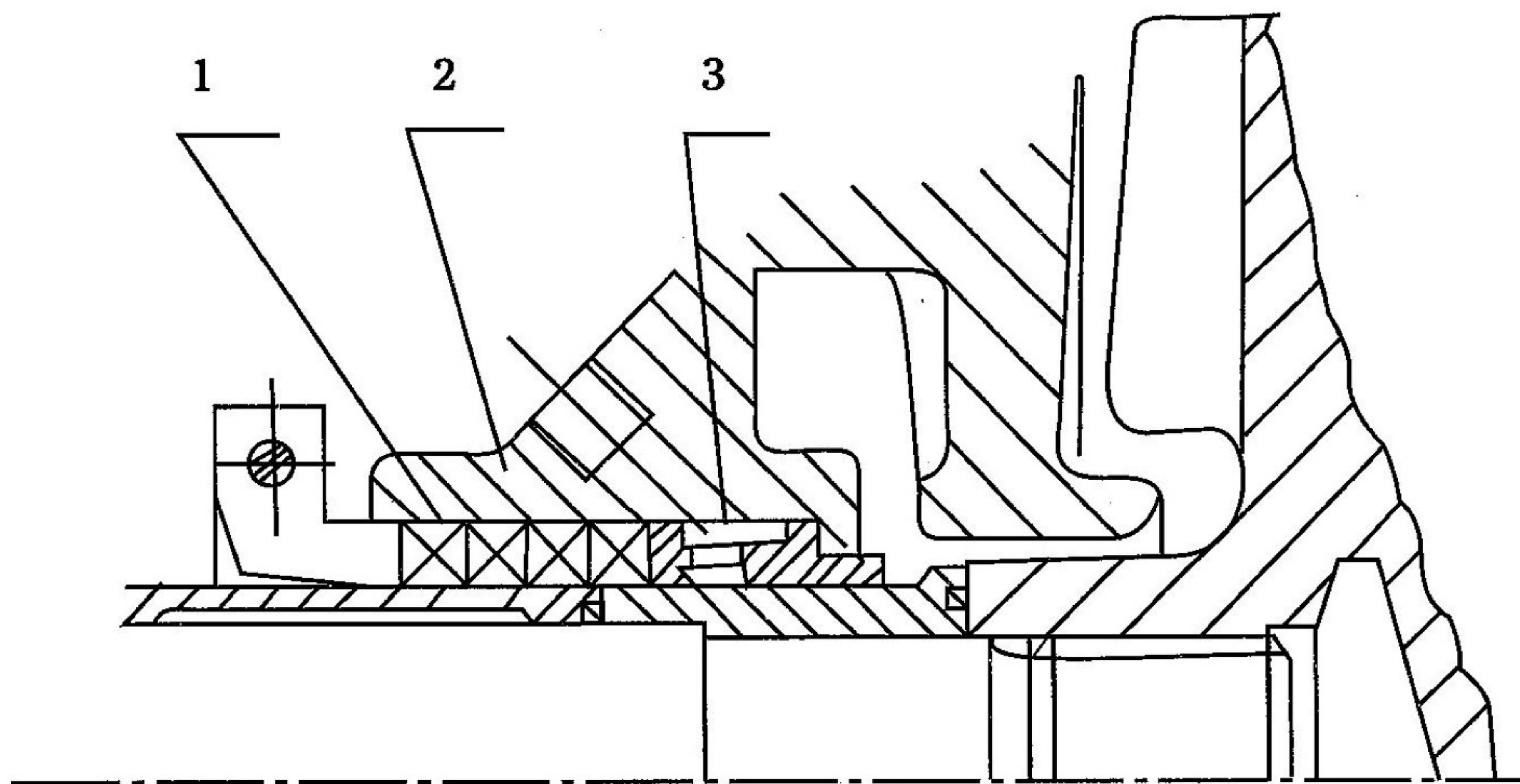


Figure 7: Simplified Structural Diagram of Packing Gland Seal (Standard Type)

1. Packing 2. Packing Chamber 3. Water Seal Ring

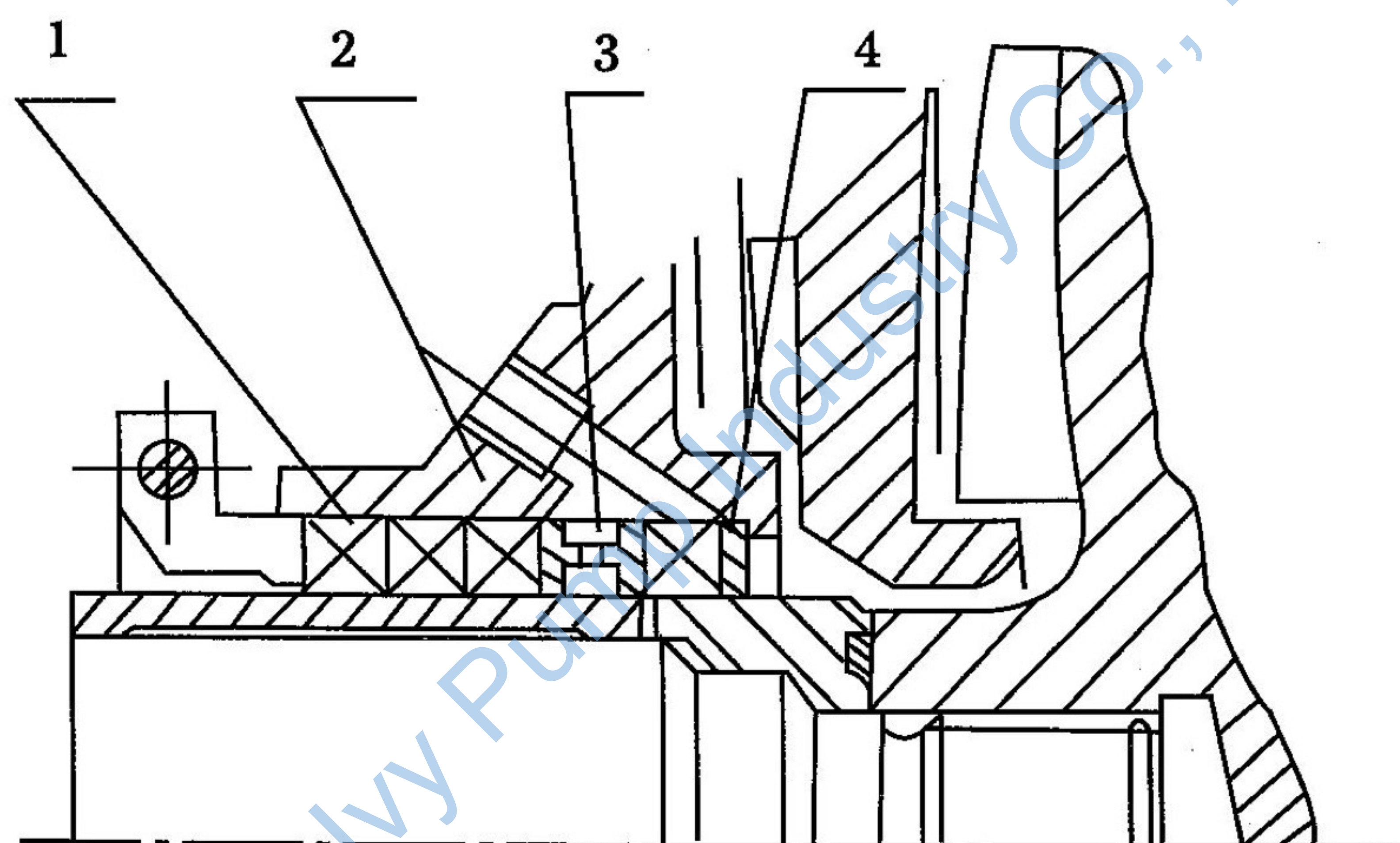


Figure 8: Simplified Diagram of Packing Gland Seal Structure (This structure may be used for suction-up conditions)

1. Packing 2. Packing Chamber 3. Water Seal Ring 4. Packing Gasket

3. Installation of the Auxiliary Impeller Shaft Seal Assembly (see Figures 9 and 10)

The auxiliary impeller shaft seal assembly includes components such as the auxiliary impeller, pressure relief cover, shaft sleeve, and locating sleeve. When using a rubber pressure relief cover, a lip seal and lip seal gland are used; when using a metal pressure relief cover, packing, a packing gasket, a water seal ring, and a packing gland are used. Users may select the appropriate configuration based on operating conditions. During assembly, ensure that all seals are installed in the correct positions.

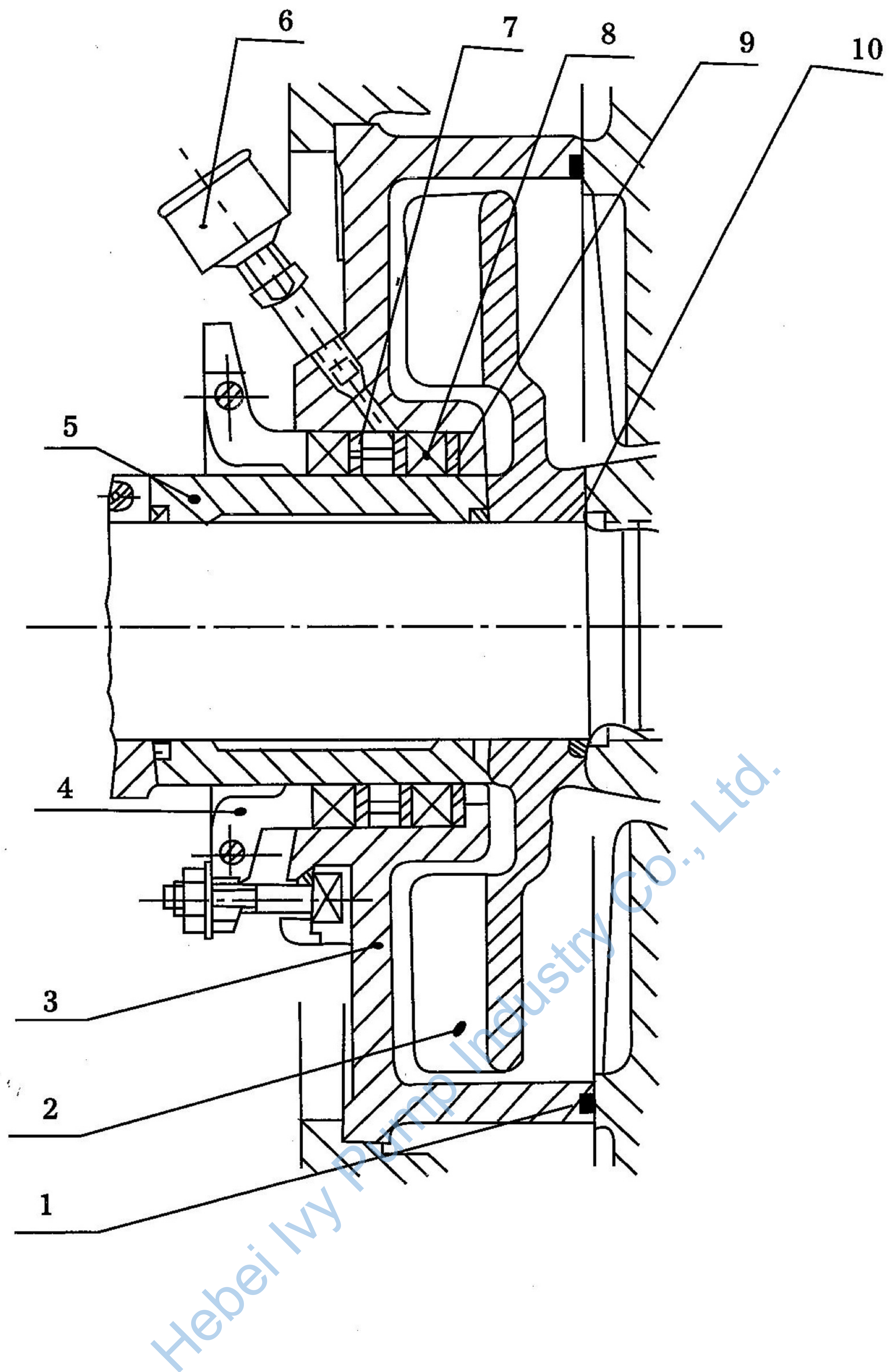


Figure 9: Metal Pressure-Reducing Cover and Auxiliary Impeller Seal

1. Sealing Ring 2. Auxiliary Impeller 3. Pressure-Reducing Cover 4. Packing Gland 5. Shaft Sleeve 6. Oil Cup 7. Water Seal Ring 8. Packing 9. Packing Gasket 10. Sealing Ring

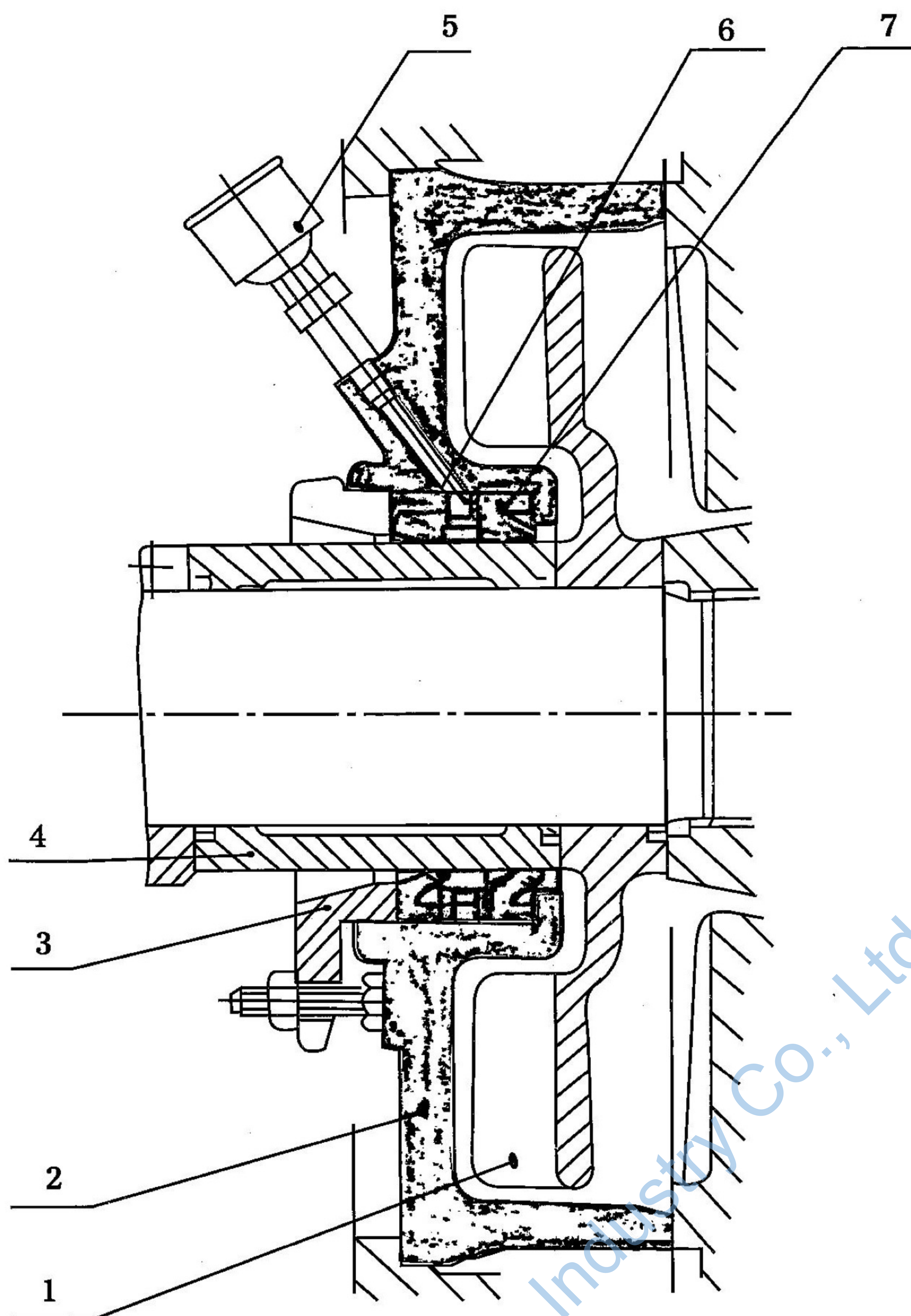


Figure 10: Rubber Pressure-Reducing Auxiliary Impeller Seal

1. Auxiliary impeller 2. Pressure-reducing cover (rubber) 3. Packing gland 4. Shaft sleeve 5. Oil cup
6. Water seal ring 7. Lip seal

4. Pump Head Assembly

Install the seals into the pump casing, then mount the rear shield and impeller using the rear shield positioning nuts. Next, install the sleeve, and secure it to the pump casing with bolts and a clamping plate. Finally, install the front shield and pump cover. For pumps with rubber linings, the front sleeve must be installed into the pump cover first. Tighten the bolts, and then assemble the pump cover with the pump body. When installing rubber components, apply soapy water or rubber lubricant to the mating surfaces to facilitate assembly. During assembly, ensure that all gaskets are positioned correctly and pressed firmly into place. To ensure the correct relative positioning of all parts and to facilitate assembly, use the rear guard plate and rear sleeve lifting tube*302, as well as the rear guard plate and rear sleeve positioning nuts*303 and sleeve lifting beam*304 assembly tools. Refer to Schematic Diagram 11 for usage instructions.

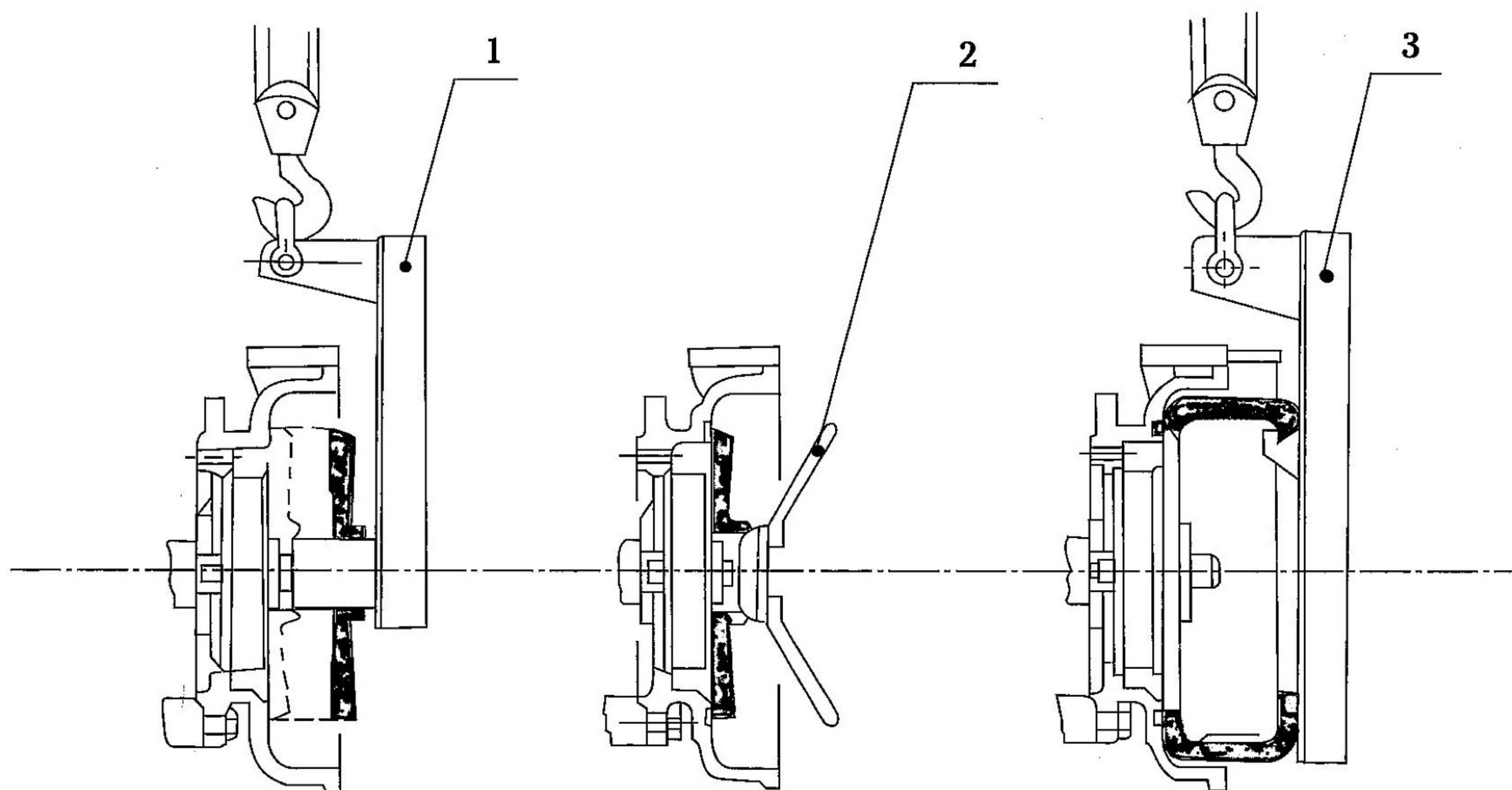


Figure
11

1. Rear guard plate and rear sleeve suspension tube *302
2. Rear guard plate and rear sleeve positioning nuts*303
3. Sheath suspension beam *304

5. Pumps equipped with high-power R, S, ST, T, TU, and U bearing assemblies are fitted with a removal ring. To disassemble the pump, first remove the three hex socket screws on the bearing assembly and screw them into the three corresponding holes on the removal ring. Use these screws to pry the three ring segments of the removal ring off the shaft before loosening the impeller.

II. Operation

1. Startup

Before startup, inspect the entire unit according to the following steps.

- (1) The pump must be installed on a solid foundation capable of supporting its full weight to eliminate vibration; tighten all anchor bolts.
- (2) Piping and valves must be supported separately. There is a gasket at the pump flange; when tightening the connecting bolts, note that on some pumps the metal liner may protrude above the flange. In such cases, do not overtighten the bolts to avoid damaging the gasket.
- (3) Turn the shaft by hand in the direction of pump rotation; the shaft should be able to drive the impeller without friction. If friction is present, adjust the impeller clearance.

- (4) Check the motor’s rotation direction to ensure the pump rotates in the direction indicated by the arrow marked on the pump body. Note that the pump must not rotate in the opposite direction; otherwise, the impeller threads may strip, resulting in pump damage.
- (5) For direct drive, the pump shaft and motor shaft must be precisely aligned. For belt drive, the pump shaft and motor shaft must be parallel, and the pulley position must be adjusted so that it is perpendicular to the V-belt to prevent severe vibration and wear. When using SPA-type and SPB-type pulley sets, adjust the pulleys to meet the $\alpha_1 = \alpha_2$ requirement shown in Figure 13.
- (6) A removable short pipe section should be installed at the pump suction inlet. Its length should be sufficient to allow the pump cover to be removed and wear parts to be replaced, facilitating pump maintenance. Refer to the external dimension drawings for each pump for the required length.
- (7) Shaft Seal Inspection: For pumps with a secondary impeller shaft seal, due to differences in the shutdown sealing structure, if an oil cup is installed on the pressure relief cover, grease must be applied through the oil cup; calcium-sodium-based grease is recommended.

For pumps with packing seals, open the shaft seal water supply before startup and check that the water flow and pressure are appropriate. Adjust the packing gland tightening screws to regulate the tightness of the packing. Adjust the shaft seal water supply so that leakage from the packing gland is just a few drops. If the packing is too tight, the shaft sleeve is prone to overheating and power consumption will increase; if the packing is too loose, liquid leakage will be excessive. The shaft seal water pressure is generally 3.5×10^{-2} MPa (0.35 kgf/cm^2) higher than the pump discharge pressure. The recommended shaft seal water flow rates are generally as shown in the table below:

Bracket Type	A	B	C	D	E, F	G	R, RS	S, ST	T, TU	U
Shaft seal water flow, L/s	0.15	0.25	0.35	0.55	0.70	1.2	0.70	1.2	1.6	2.1

(8) Adjustment of V-Belt Tension

Since there is currently no national standard for narrow V-belts in China, manufacturers are unable to provide mature and reliable adjustment methods. The following describes the adjustment method recommended by our factory for reference.

- ① First, calculate the pretension force Q,

$$Q=\frac{510 \cdot (2.5-C_1) \cdot P \cdot C_2}{C_1 \cdot Z \cdot V}+mv^2 \text{ (Newtons)}$$

- ② Determine the value of e from the curve based on the pre-tension and the V-belt model

③ Use the formula $f=\frac{e \cdot L'}{100}$ to calculate f

- ④ Look up the R value corresponding to the V-belt model in Table 1. Adjust the center distance between the two pulleys as shown in Figure 12 to achieve the required pretension force Q. Generally, the required pretension force Q is achieved when the total deflection of the hanging section does not exceed f while applying a force of R Newtons.

Where: Q—Minimum static preload for the suspended section of each V-belt, in newtons

F: Total deflection of the V-belt suspension section, in mm

C₁ —Angular coefficient, approximately 0.9

C₂ —Working coefficient, approximately 1.4

L'— Center distance between pulleys

P—Motor rated power, in kW

Z—Number of V-belts

V—Linear speed, meters per second

M—Centrifugal force coefficient (refer to Table 1)

E—Depression e per 100 mm of the suspended section. See Figure 12

Table 1

Model	SPA	SPB	SPC	SPZ
R	60	90	120	30
m	0.12	0.20	0.38	0.08

The V-belt should be adjusted to a final pretension that minimizes the pretension when the load is at its maximum. When using V-belts in a set, the circumferences of each belt should be essentially the same to ensure that the forces on each belt are equal during operation.

After adjusting the V-belts, check again to ensure the impeller rotates normally. If possible, start the pump with clean water before pumping slurry. Open the suction pipe valve and start the motor, then check the inlet and outlet pressures and flow rates, as well as the leakage at the packing gland. If the packing becomes hot, loosen the packing gland bolts slightly to increase the leakage. Once the packing has run in with the shaft, readjust the leakage to the specified value.

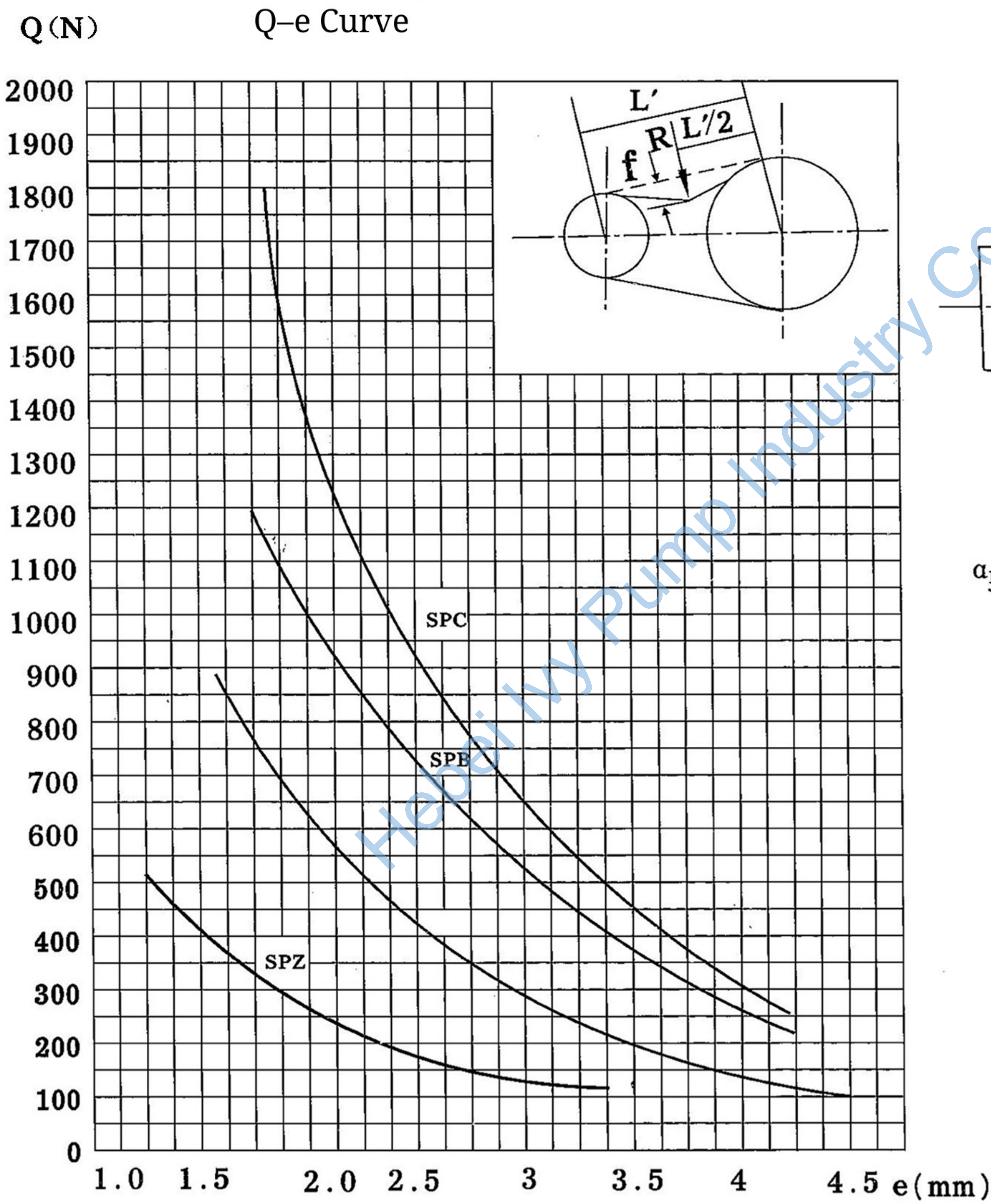


Figure 12

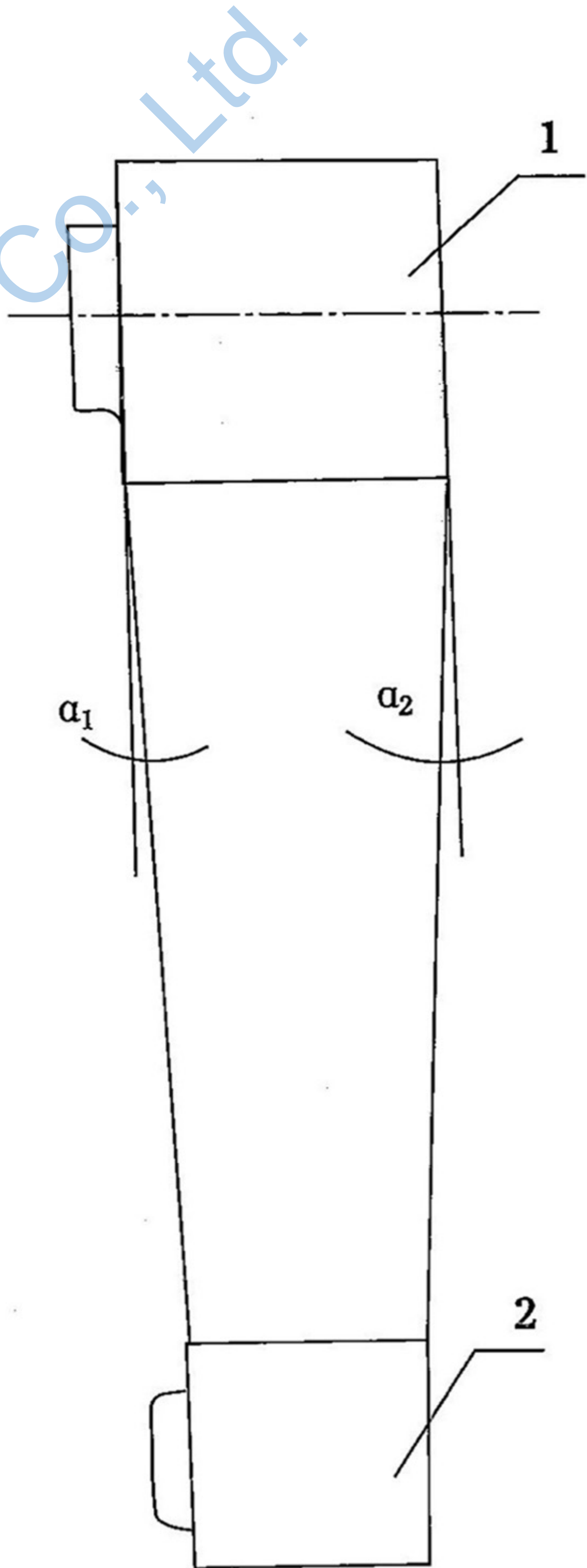


Figure 13

Note: The units for R values in Table 1 are newtons; numbers 1 and 2 in Figure 13 refer to the pump and motor pulleys.

2. Operation:

- (1) During operation, periodically check the pressure and flow rate of the shaft seal water and promptly adjust the packing gland or replace the packing to ensure that a small amount of clean water is always passing through the shaft.
- (2) Periodically inspect the operating condition of the bearing assembly. If the bearings overheat during startup, stop the pump and allow the bearings to cool before restarting. If the bearings continue to overheat severely and the temperature continues to rise, disassemble and inspect the bearing assembly to determine the cause. Generally, bearing overheating is caused by excessive lubricant or impurities in the lubricant. The amount of bearing grease must be appropriate and clean, and grease should be replenished regularly.
- (3) Pump performance deteriorates and efficiency decreases as the clearance between the impeller and the wear plate increases. Therefore, the impeller should be adjusted forward in a timely manner to maintain a proper clearance, ensuring the pump operates at high efficiency. When the pump is worn to the point where it can no longer meet system requirements, replace the wear parts.

3. Shutting Down the Pump:

Before shutting down the pump, allow it to pump clean water for as long as possible to flush out any slurry remaining inside the pump. Then, shut down the pump, close the gate valve, and turn off the packing gland water supply in that order.

III. Maintenance

To ensure safe pump operation, attention must be paid to daily maintenance. Maintenance should focus on the following aspects:

1. Shaft Seal Maintenance:

For pumps with packing gland seals, regularly check the seal water pressure and flow rate. Ensure that a small amount of clean water is always flowing along the shaft. Periodically adjust the packing gland, inspect the packing, and replace it as needed. The seal water pressure and flow rate must meet the requirements specified above (in the "Seal Inspection" section).

For pumps with a secondary impeller shaft seal equipped with an oil cup, oil should be added periodically via the oil cup to lubricate the internal packing or lip seals.

2. Impeller Adjustment:

To ensure efficient pump operation, the clearance between the impeller and the front wear plate must be adjusted promptly. For pumps with metal-lined impellers, the clearance between the impeller and the front wear plate should be between 0.5 and 1 mm. For pumps with rubber-lined impellers, the clearances between the impeller and the front and rear wear sleeves must be equal. To adjust the impeller clearance, first shut down the pump, loosen the bolts securing the bearing assembly, and turn the nut on the adjustment bolt to move the bearing assembly forward. At the same time, manually rotate the shaft in the direction of pump rotation until the impeller comes into contact with the front wear plate. For metal-lined pumps, loosen the nut that was just tightened by half a turn. Next, tighten the nut on the front end of the adjustment bolt to move the bearing assembly backward. At this point, the clearance between the impeller and the front sleeve should be between 0.5 and 1 mm. For rubber-lined pumps, turn the nut on the adjustment bolt to first move the bearing assembly forward until the impeller contacts the front sleeve, then move the bearing assembly backward until the impeller contacts the sleeve. Measure the total displacement of the bearing assembly, take half of this distance as the clearance between the impeller and the front and rear sleeves, and then use the adjusting bolt to adjust the position of the bearing assembly to ensure the correct clearance values between the impeller and the front and rear sleeves. After adjustment, before restarting the pump, check again to ensure the impeller rotates normally and that the bearing assembly clamping bolts and adjusting bolts are tightened, and then start the pump.

3. Bearing Lubrication:

If the bearing assembly is installed correctly, lubricated with the appropriate amount of grease, and maintained promptly, it will have a long service life. Maintenance personnel should inspect the bearing assembly regularly to check the condition of the bearings and grease; inspection intervals should generally not exceed 12 months. Grease must be replenished periodically during operation. The intervals and amounts required depend on many factors, including the pump's rotational speed, bearing specifications, continuous operating time, frequency of pump start-ups and shutdowns, the surrounding environment, and operating temperature. Furthermore, excessive grease can cause the bearings to overheat; therefore, it is necessary to gradually gain experience to replenish grease appropriately and in a timely manner. Under normal circumstances, the table below may be used as a reference.