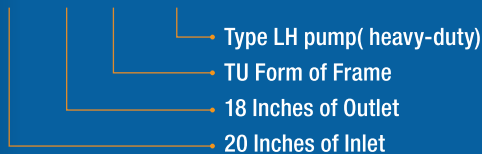


• Working Range

- Discharge size: 1"-18"(25-450mm)
- Capacities to: 5400 m³/h
- Heads to: 68 m
- Material: Metal and Rubber

• Model Meaning

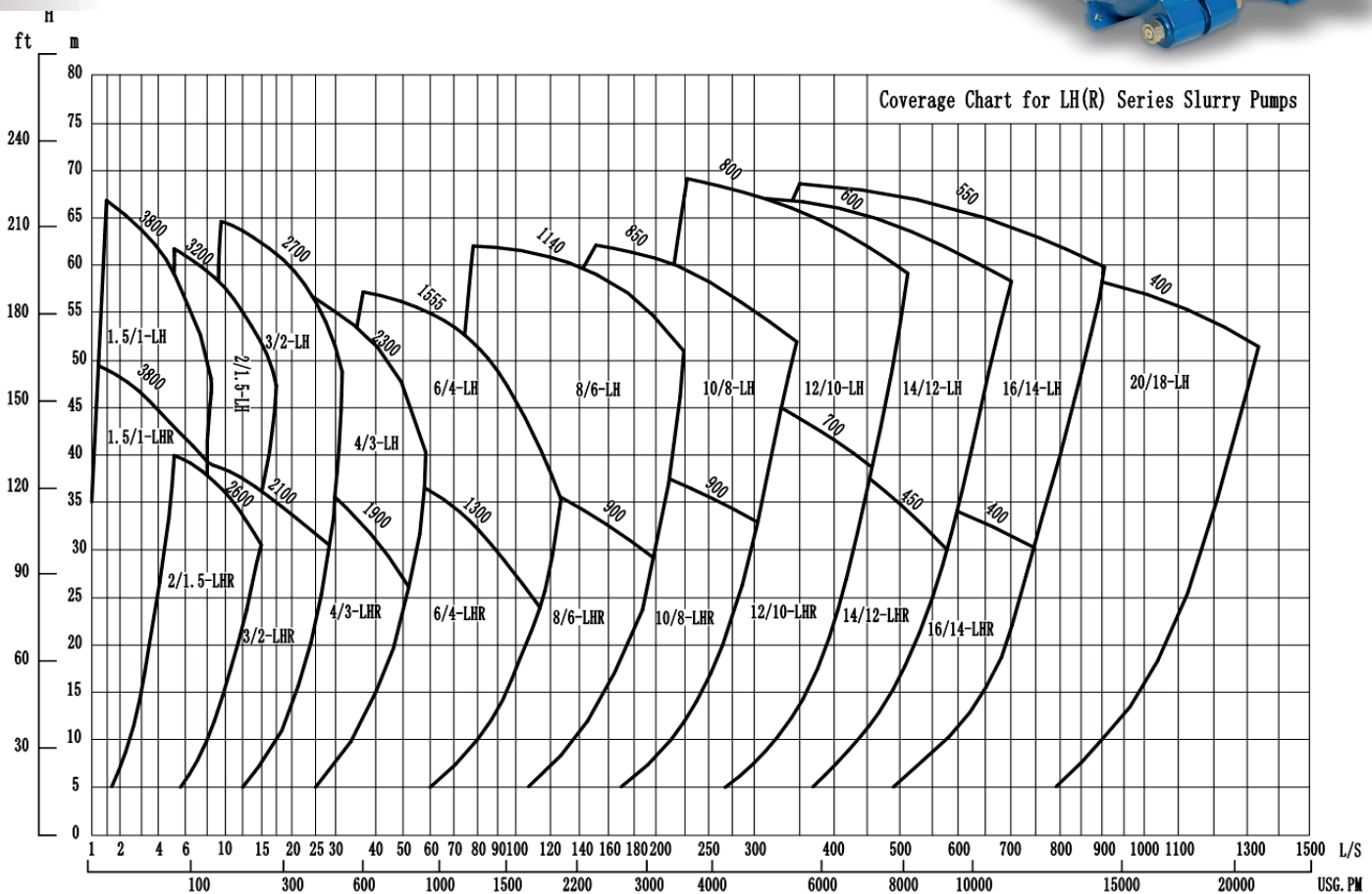
20 / 18 TU - LH



• Pump Selection Chart

• Typical Application

- Iron Ore Dressing Plant
- Copper Concentration Plant
- Gold Mine Concentration Plant
- Molybdenum Concentration Plant
- Potash Fertilizer Plant
- Other Mineral Processing Plants
- Alumina Industry
- Coal Washery
- Power Plant
- Sand Excavation
- Building Material Industry
- Chemical Industry
- Other industries

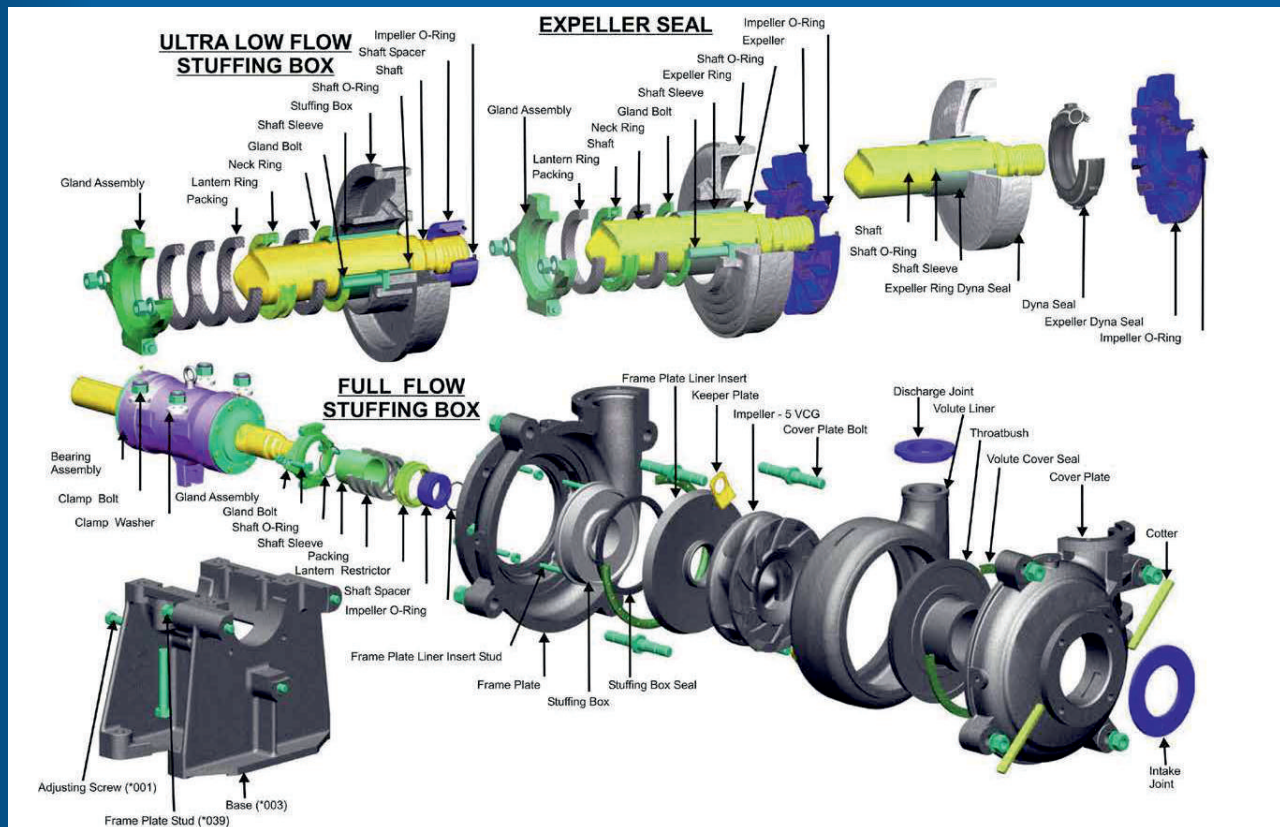


• LH(R) Clear Water Performance Table

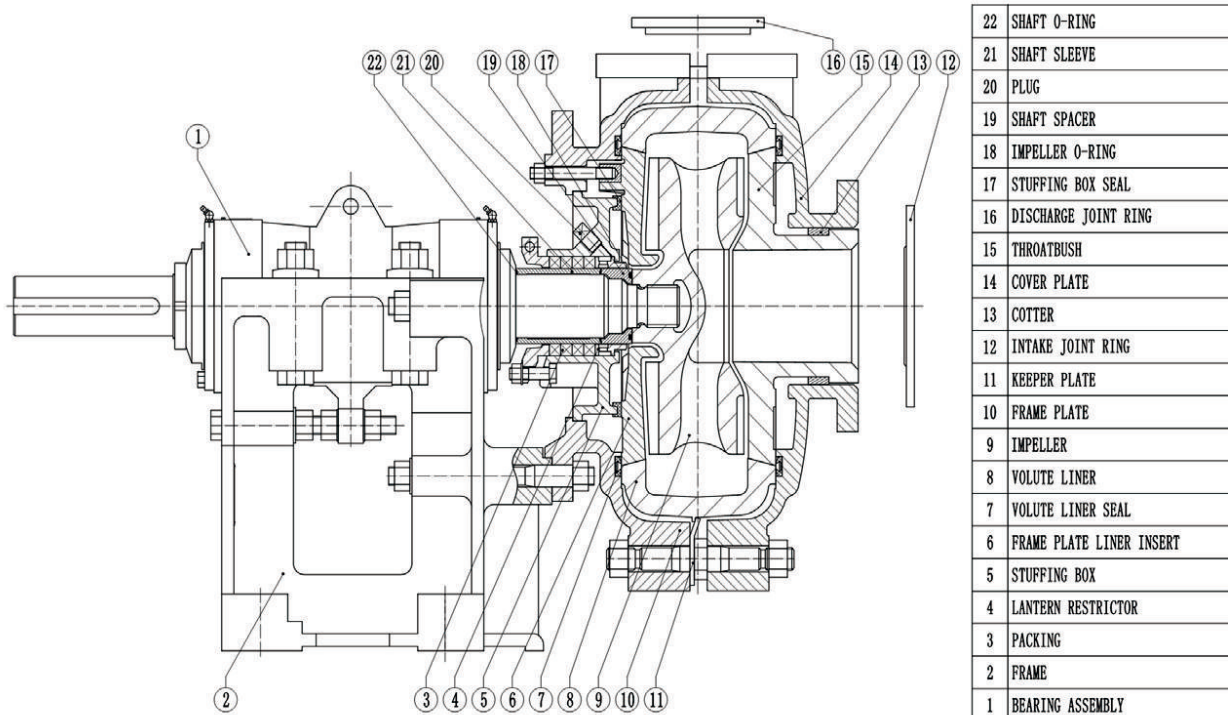
Type	Max. Power kw	Material		Clear Water Performance					
		Line r	Imp ellerr	Capacity		Head H(m)	Speed n(r/min)	Effn%	NPSH (m)
				(m3/h)	(l/s)				
1.5/1B-LH	15	M	M	12.6-28.8	3.5-8	6-68	1200-3800	40	2-4
		RU	RU	10.8-25.2	3-7	3-7	1400-3400	35	2-4
2/1.5B-LH	15	M	M	32.4-72	9-20	6-58	1200-3200	45	3.5-8
		RU	RU	25.2-54	7-15	5.5-41	1000-2600	50	2.5-5
3/2C-LH	30	M	M	39.6 -86.4	11 -24	12 -64	1300-2700	55	4-6
		RU	RU	36 -75.6	10 -21	13 -39	1300-2100	55	2-4
4/3C-LH	30	M	M	86.4-198	24 -55	9-52	1000-2200	71	4-6
4/3D-LH	60								
4/3C-LH	30	RU	RU	79.2 -180	22 -50	5 -34.5	800-1800	59	3-5
4/3D-LH	60								
6/4D-LH	60	M	M	162-360	45-100	12 -56	800-1550	65	5-8
6/4E-LH	120								
6/4D-LH	60	RU	RU	144-324	40-90	12-45	800-1350	65	3-5
6/4E-LH	120								
8/6E-LH	120	M	M	360-828	100-230	10~61	500-1140	72	2-9
8/6R-LH	300								
8/6E-LH	120	RU	RU	324 -720	90-200	7-49	400-1000	65	5-10
8/6R-LH	300								
10/8ST-LH	560	M	M	612 -1368	170-380	11-61	400-850	71	4-10
		RU	RU	540-1188	150 -330	12-50	400-750	75	4-12
12/10ST-LH	560	M	M	936 -1980	260-550	7-68	300-800	82	6
		RU	RU	720-1620	200-450	7-45	300-650	80	2.5-7.5
14/12ST-LH	560	M	M	1260 -2772	350-770	13-63	300-600	77	3-10
		RU	RU	1152 -2520	320-700	13-44	300-500	79	3-8
16/14TU-LH	1200	M	M	1368 -3060	380-850	11-63	250 -550	79	4-10
		RU	RU	1260 -2880	350-800	12-42.5	250-450	80	4-8
20/18TU-LH	1200	M	M	2520-5400	700 -1500	13-57	200-400	85	5-10
		RU	RU	1800-4680	500-1300	13-44	200 -350	80	2-7

1 Capacity range recommended 50%Q'≤Q≤110%Q', (Q'≈Capacity at Max. eff. point) 2.M means alloy wear-resistant material, R means tubber

• Structure



• Features

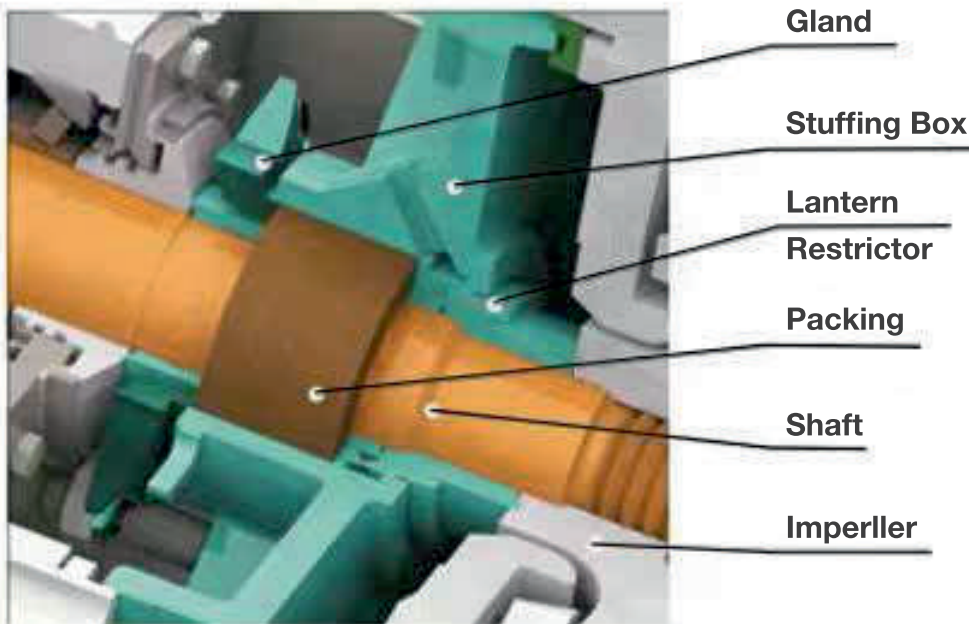


- Cylindrical structure of bearing assembly: convenient to adjust the space between impeller and front liner and can be removed completely;
- Interchangeable anti-abrasive wet parts made of high-chrome alloys;
- The discharge branch can be oriented to any eight positions at the interval of 45 degrees;
- Various drive types: DC(direct connection), V-belt drive, gear box reducer, hydraulic couplings, VFD, SCR control, etc;
- The shaft seal uses the packing seal, expeller seal and mechanical seal;

• Seal Options

Packing Seal ►

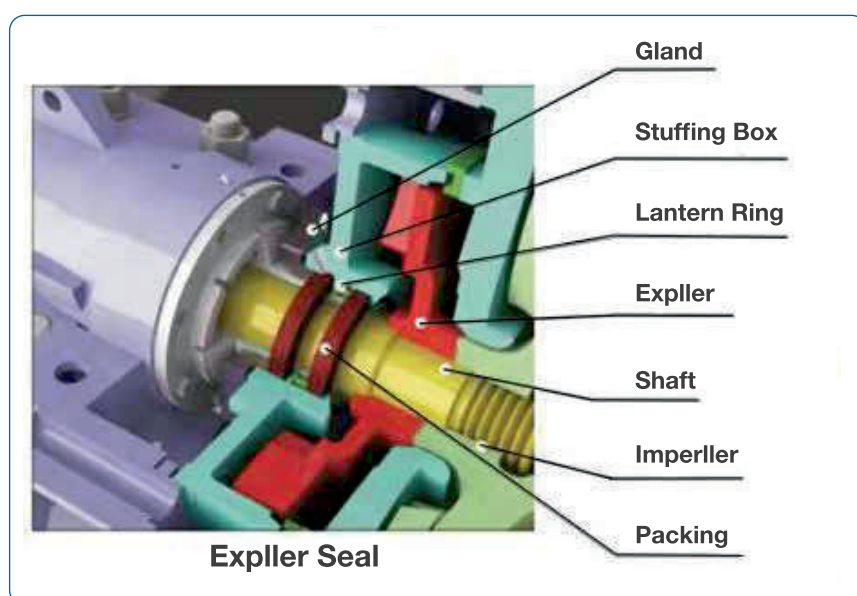
As one of the most commonly used seals for rotating shafts, the packing seal can come with low-flush or full flush arrangement which uses flushing water to prevent media from escaping the pump housing. This kind of seal is suitable for use under all pumping conditions. In situations where corrosive solids or high temperature might be encountered, Teflon or aramid fiber is used as the packing material for the gland. For high abrasion conditions, a ceramic shaft sleeve is available.



Packing Seal

Expeller seal ►

The expeller generate a reverse centrifugal force to prevents the leakage. It can be used for single-stage pump or the first pump of multiple pumps in series when the positive pressure at suction side is larger than that at discharge side by no more than 10%. No gland water is needed, the slurry will not be diluted and the sealing effect is reliable, used in where dilution of slurry is not allowed.

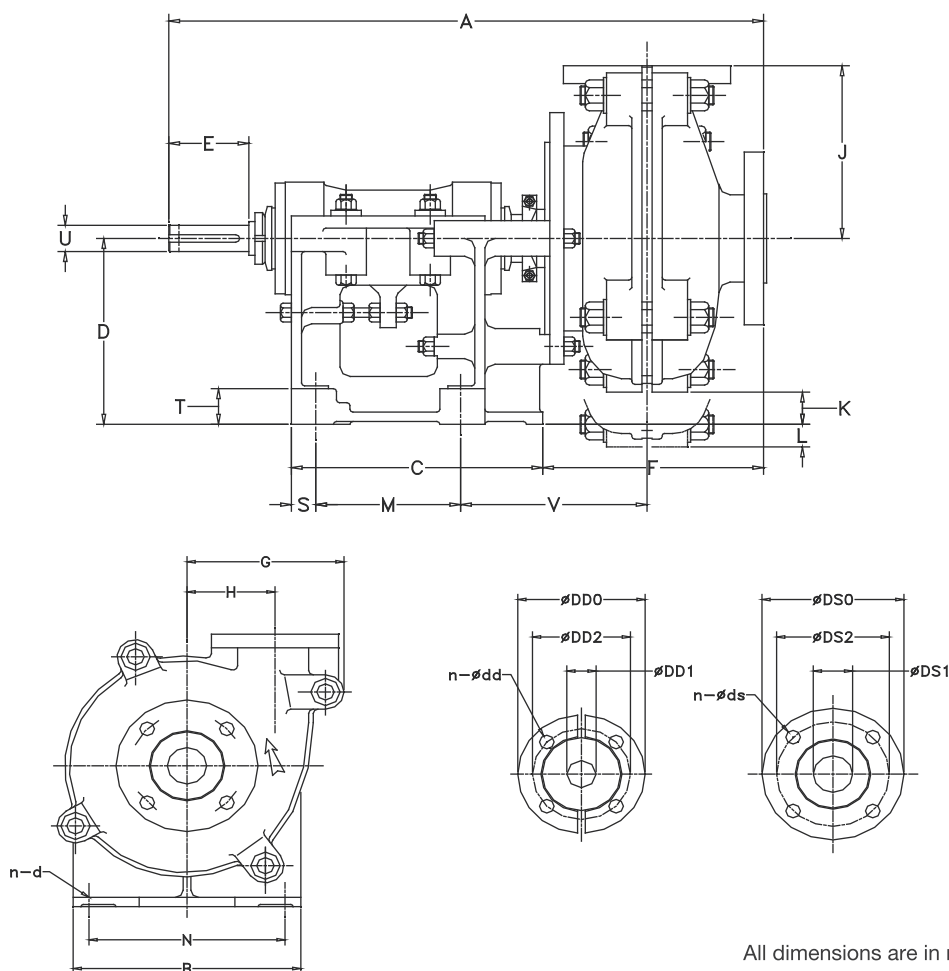


Mechanical seal ►

suitable for applications where no extra substance is allowed to mix with the fluid being pumped, such as chemical or food industry.

For more details, please consult Lakers.

• Outline Dimension



All dimensions are in millimeter(mm)

TYPE	A	B	C	D	U	E	F	G	H	J	K	L	M	N	V	T	S	n-d	Suction Flange				Discharge Flange			
																			DS0	DS1	DS2	n-ds	DD0	DD1	DD2	n-dd
1.5/1B-LH	583	295	248	197	28	79	206	181	98	171	46	NUL	143	254	181	38	24	4-14	152	38	114	4-16	165	25	127	4-16
2/1.5B-LH	592	295	248	197	28	79	217	205	114	184	33	NUL	143	254	184	38	24	4-14	184	51	146	4-19	165	38	127	4-19
3/2C-LH	768	406	311	254	42	121	281	238	138	210	71	NUL	175	356	233	48	32	4-19	216	76	178	4-19	184	51	146	4-19
4/3C-LH	843	406	311	254	42	121	354	292	149	262	24	NUL	175	356	270	48	32	4-19	279	102	235	4-22	229	76	191	4-22
4/3D-LH	943	492	364	330	65	164	353	292	149	262	100	NUL	213	432	279	64	38	4-22	279	102	235	4-22	229	76	191	4-22
6/4D-LH	1021	492	364	330	65	164	424	406	229	338	11	NUL	213	432	318	64	38	4-22	337	152	292	4-22	279	102	235	4-22
6/4E-LH	1178	622	448	457	80	222	433	406	229	338	138	NUL	257	546	351	76	54	4-29	337	152	292	4-22	279	102	235	4-22
8/6E-LH	1302	622	448	457	80	222	557	551	318	460	NUL	62	257	546	402	76	54	4-29	406	203	356	8-22	368	152	324	8-21
8/6R-LH	1360	680	590	350	85	215	554	551	318	460	NUL	170	490	560	312	70	50	4-28	406	203	356	8-22	368	152	324	8-21
8/6F-LH	1507	857	635	610	100	279	539	551	318	460	91	NUL	349	762	438	98	95	4-35	406	206	356	8-22	368	152	324	8-21
10/8ST-LH	1748	1150	780	650	120	280	692	673	419	635	27	NUL	620	900	439	125	80	4-48	502	254	445	8-29	432	203	375	8-29
12/10ST-LH	1816	1150	780	650	120	280	762	755	464	674	NUL	65	620	900	461	125	80	4-48	527	305	470	8-25	527	254	470	12-25
14/12ST-LH	1873	1150	780	650	120	280	812	937	629	832	NUL	224	620	900	486	125	80	4-48	585	356	521	12-25	552	305	495	12-25
16/14TU-LH	2320	1460	1050	900	150	350	953	1048	660	889	NUL	84	860	1200	597	150	95	4-79	705	406	641	8-35	673	356	610	12-29
20/18TU-LH	2475	1460	1050	900	150	350	1100	1420	940	1230	NUL	420	860	1200	615	150	95	4-79	900	508	800	12-42	900	460	800	12-42