



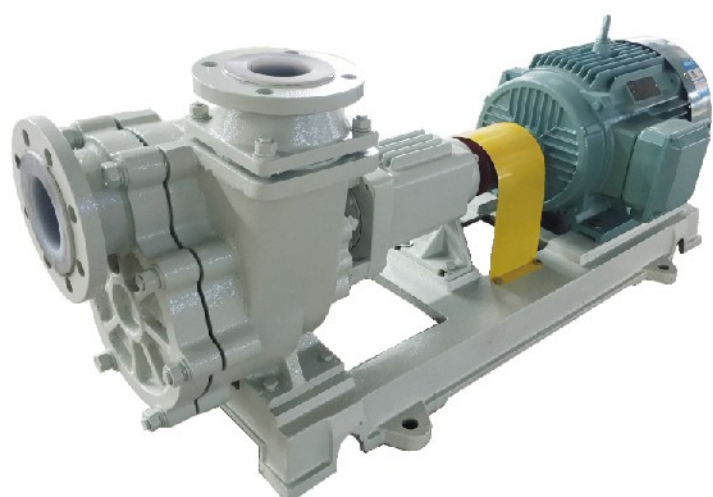
Lzb fluoroplastic self-priming pump

Product overview

Lzb fluoroplastic self-priming pump is designed and manufactured according to international standards and combined with non-metal pump process. The pump body is made of metal shell lined with fluorine plastic, all the flow parts are made of fluorine plastic alloy, the pump cover and impeller are made of metal inserts, and the external bellows are used for shaft seal, the static ring is selected 99.9% alumina ceramic (or silicon carbide), and the dynamic ring is filled with four fluorine materials. It has excellent shoulder resistance and wear resistance. The suction and discharge are reinforced with cast steel body. To enhance the pressure resistance. The actual use shows that the pump has the advantages of corrosion resistance, wear resistance, high humidity resistance, no aging, high mechanical strength, stable operation, advanced and reasonable structure, strict and reliable sealing performance, easy disassembly and maintenance, long service life and so on.



Design feature



The flow parts of the LZB self-priming pump are all fluorine plastic, which has strong corrosion resistance and self-priming ability. Therefore, the FZB self-priming pump is very widely used, such as: Pumping corrosive liquid in the underground tank to the target location, pumping acid and alkali in the tank at the bottom of the discharge port to the target location, pumping acid and lye in the barrel to the large storage tank. And all kinds of corrosive tank truck unloading, etc.

The design principle of LZB self-priming pump is simple, reliable, and its good working performance has been recognized by more and more users, and has been praised by many users.

Main use

Widely used in petroleum, chemical industry, acid, alkali, smelting, rare earth, pesticides, dyes, medicine, paper making, electroplating, electrolysis, pickling, radio, foil formation, scientific research institutions, national defense industry and other production processes, conveying corrosive liquids, especially suitable for strong acid and alkali, organic solvents and precious liquid suction post pumping.

The applicable temperature : -20°C - 100°C.

Model meaning

65 LZB - 30 L(D)

L is long supporting foot, D is short supporting foot direct connected

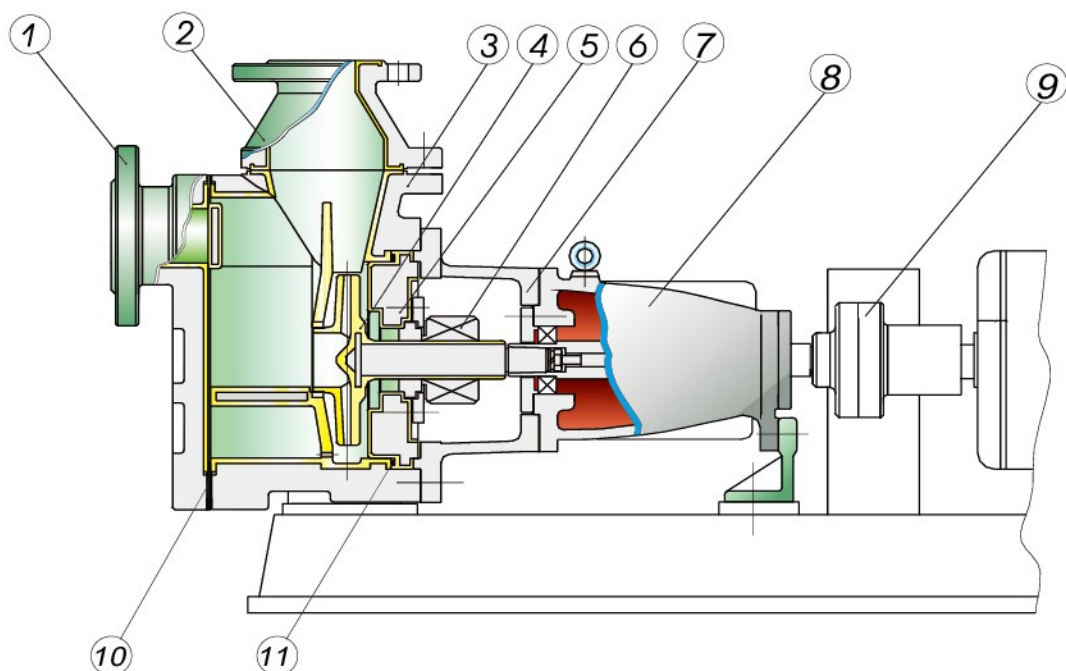
Pump rated head m

lvhuan fluorine lined self-priming pump number

Pump suction diameter mm

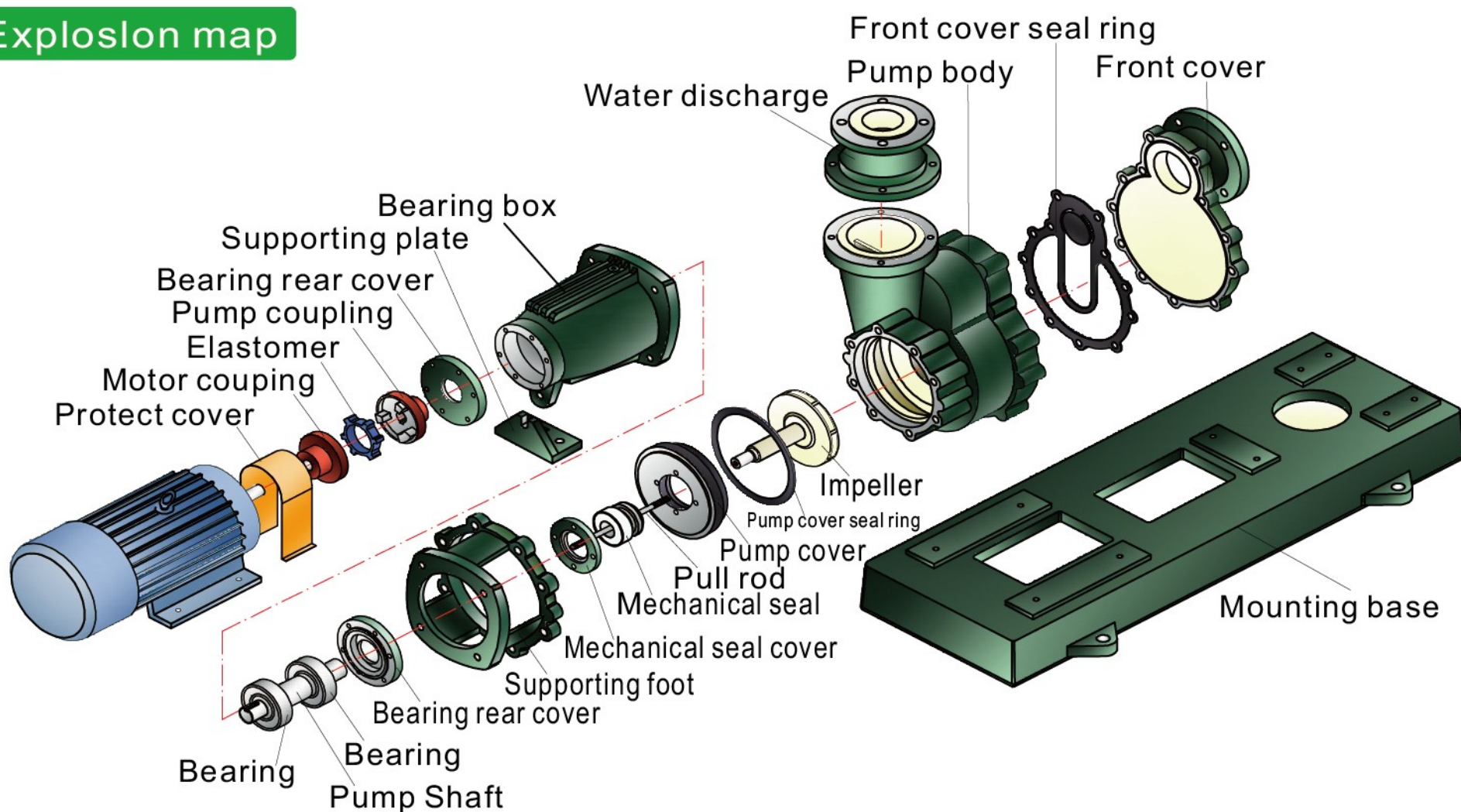


Structure

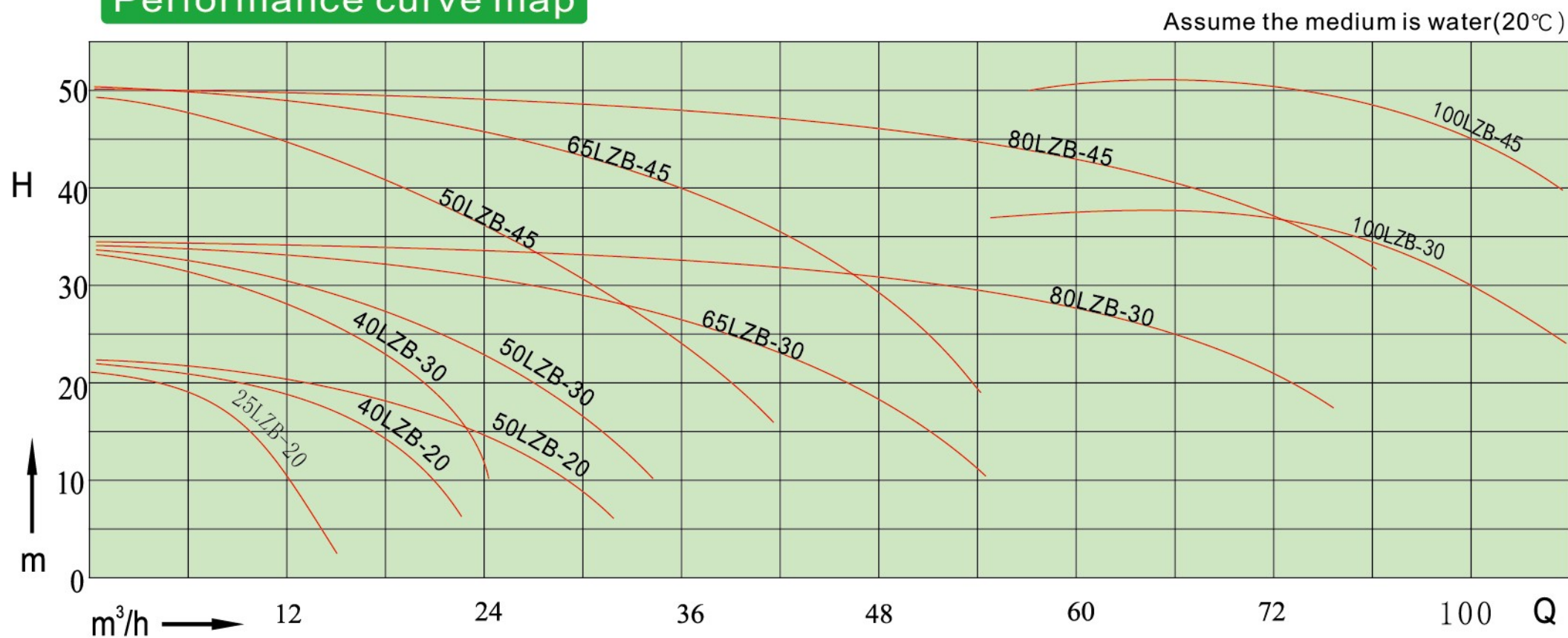


NO.	Name	Material
1	Front cover	HT200 Lined F46
2	Discharge	HT200 Lined F46
3	Pump body	HT200 Lined F46
4	Impeller	F46
5	Pump cover	Ht200 Lined F46
6	Mechanical seal	SIC /F4
7	Supporting foot	Ht200
8	Bearing box	HT200
9	Coupling	HT200
10	Front cover seal ring	Fluoro rubber
11	Rear seal ring	Fluoro rubber

Explosion map



Performance curve map





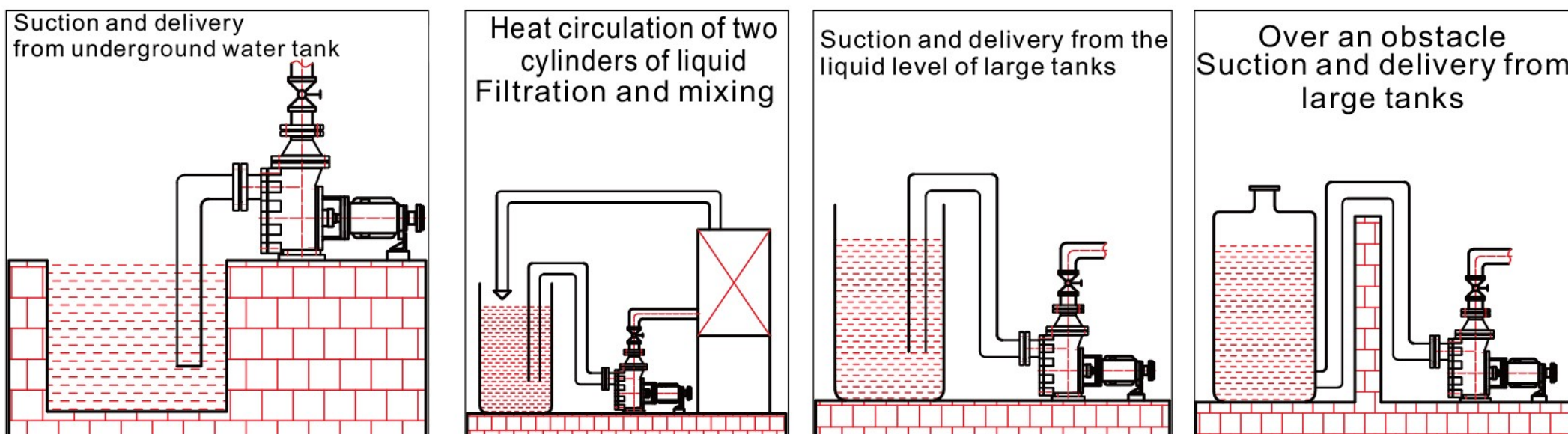
选型表

NO.	Type	FLOW	Head	EFF	NPSH	Suction	Discharge	Speed	Motor power	Weight
		m³/h	m	%	m	mm	mm	r/min	kw	kg
1	25LZB-20L	1.5	19	10	3	35	25	2900	2.2	65
		*3.6	18	20						
		6	16	30						
2	40LZB-20L	5	22	35	3	40	50	2900	3	47
		*8	20	42						
		12	17	40						
3	40LZB-30L	5	32	24	3.5	40	50	2900	4	160
		*8	30	48						
		12	28	45						
4	50LZB-20L	8	22	35	3	50	50	2900	3	47
		*12	20	42						
		15	17	40						
5	50LZB-30L	8	32	24	3.5	50	50	2900	4	160
		*12	30	48						
		15	28	45						
6	50LZB-45L	8	47	24	3.5	50	32	2900	7.5	210
		*12	45	35						
		15	43	32						
7	50LZB-70L	8	72	20	4	50	32	2900	15	320
		*12	70	26						
		25	65	39						
8	65LZB-18L	15	20	40	3.5	65	50	2900	4	178
		*25	18	48						
		35	15	48						
9	65LZB-30L	15	32	40	4	65	50	2900	7.5	210
		*25	30	55						
		35	27	48						
10	65LZB-45L	15	47	30	4	65	40	2900	11	300
		*25	45	42						
		35	38	44						
11	65LZB-70L	15	72	30	4	65	40	2900	30	530
		*25	70	41						
		35	65	42						
12	80LZB-18L	30	19	42	3.5	80	65	2900	5.5	210
		*40	18	47						
		50	16	49						
13	80LZB-30L	35	32	54	4.5	80	65	2900	11	284
		*50	30	58						
		60	25	48						
14	80LZB-45L	35	47	45	4.5	80	65	2900	15	330
		*50	45	53						
		60	42	46						
15	80LZB-70L	35	72	45	5	80	50	2900	30	550
		*50	70	50						
		60	65	43						
16	100LZB-30L	65	32	54	6	100	80	2900	18.5	390
		*100	30	60						
		110	26	54						
17	100LZB-45L	65	46	48	6	100	80	2900	30	500
		*100	45	55						
		110	40	48						

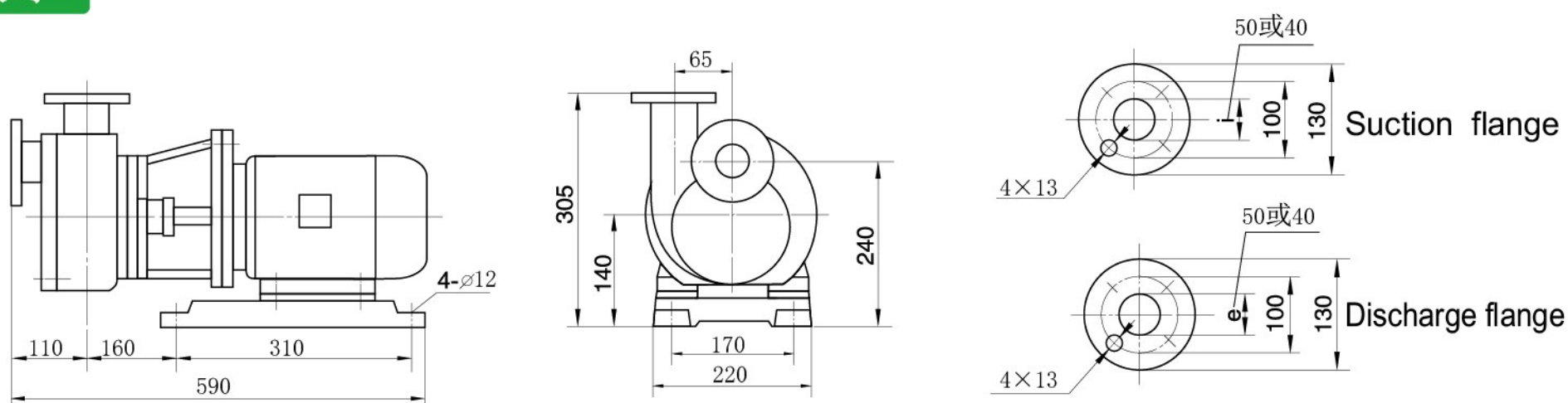
Note: Due to the limited layout, some models are not listed, all the above pump types can be equipped with 4-pole motors, etc., please contact our company to convert the corresponding parameters under different speeds.



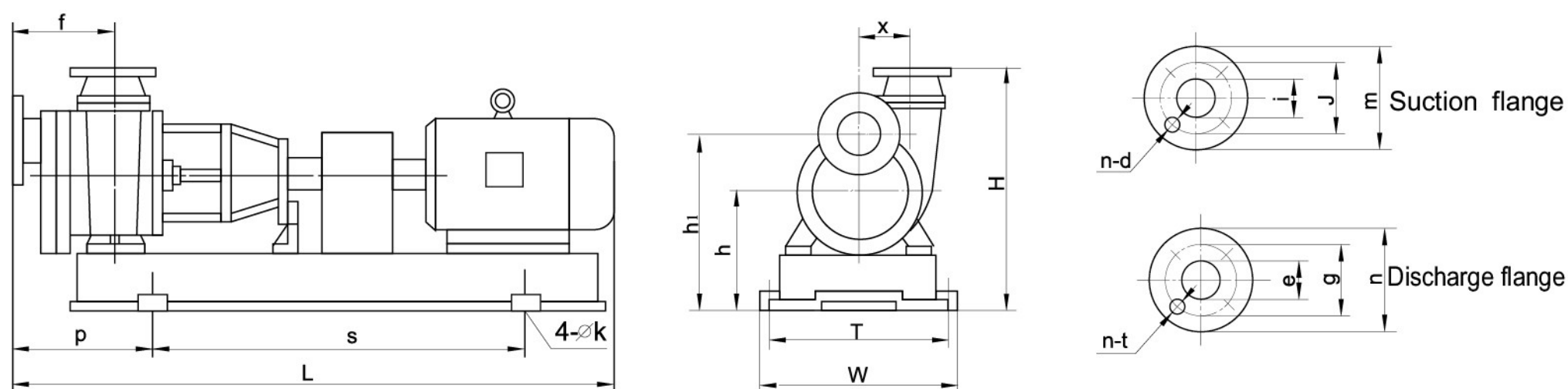
安装示意



安装尺寸



40LZB-20D, 50LZB-20D mounting dimensions (these two specifications are the same size)



Annotated data are shown in **lzb table 1**

LZBtable 1

No.	Model	Appearance and mounting dimensions										Suction flange size					Discharge flange size			
		L	S	P	f	W	T	H	h	h ₁	x	k	i	j	m	n-d	e	g	n	n-t
Long suppor ting foot	25LZB-20	800	440	215	94	305	250	304	162	238	-65	18	25	75	100	4-10	50	100	130	4-13
	40LZB-30	1150	590	290	205	390	330	508	232	342	90	25	40	125	165	4-18	50	125	165	4-18
	50LZB-30	1150	590	290	205	390	330	508	232	342	90	25	50	125	165	4-18	50	125	165	4-18
	65LZB-30	1230	650	355	250	450	380	520	232	342	98	25	65	145	185	4-18	50	125	165	4-18
	80LZB-30	1240	730	330	210	500	450	520	260	370	110	24	80	160	200	8-18	65	145	185	4-18
	50LZB-45	1190	650	320	200	450	380	610	260	410	112	25	50	125	165	4-18	32	100	135	4-18
	65LZB-45	1400	720	321	223	485	435	642	260	425	114	25	65	145	185	4-18	40	100	150	4-18
	80LZB-45	1370	740	370	260	500	450	590	260	440	165	24	80	160	200	8-18	65	145	185	4-18