



川源(中国)机械有限公司  
GSD (China) Co.,Ltd.

# LPS

## 立式管道离心泵

LPS pipe centrifugal pump



# LPS 立式管道离心泵

## LPS Pipe centrifugal pump



### Features

### Application

Apply to air-condition cold or hot water circulation;  
Industrial water and municipal water supply;  
Used to increase pressure and supply water for high buildings;  
Fire-fighting water system;  
Can be used together with equipment;  
Boiler water supply;  
Farm water irrigation.

Complete assortments and strong applications.  
Coaxial shaft structure, high efficiency, space-saving design, lightweight, easy installation and maintenance.  
The pump which is supported by imported bearing, runs at little vibration and low noise.  
Mechanical seal, no damage to shaft, no leakage, long duration.  
The optimal hydraulic model is used for impeller, the pump is of an utmost dynamic-static balance and reliable performance.  
The shaft is made of quenching and tempering stainless.  
Using needle type vent, simple operation.  
Can choose other materials according to the customer's requirement. (Material of the pump in the castalog is cast iron. Stainless steel can be provided separately.)

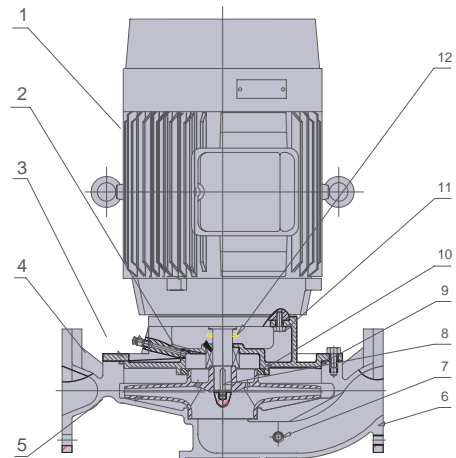


## Type description

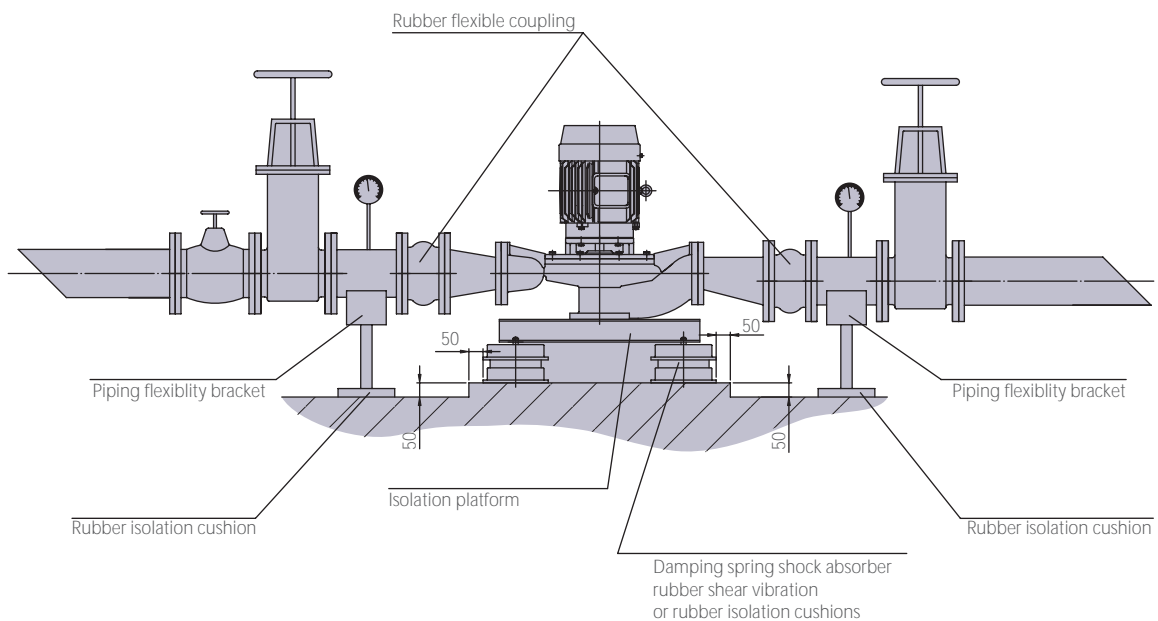


## Construction

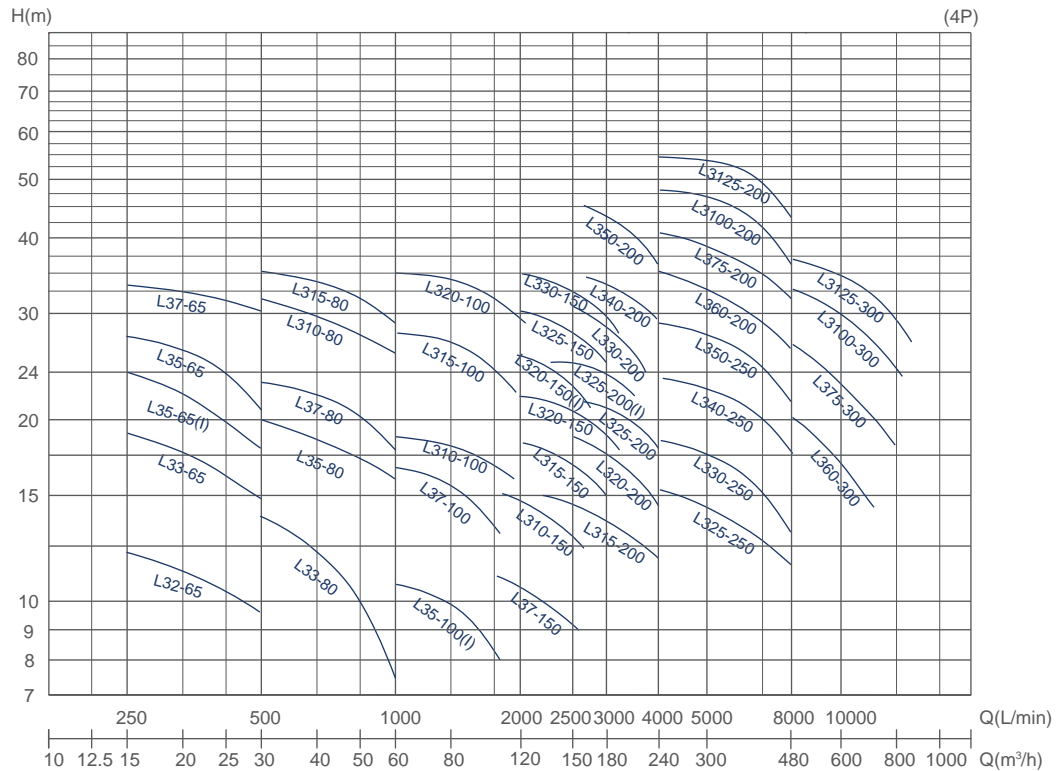
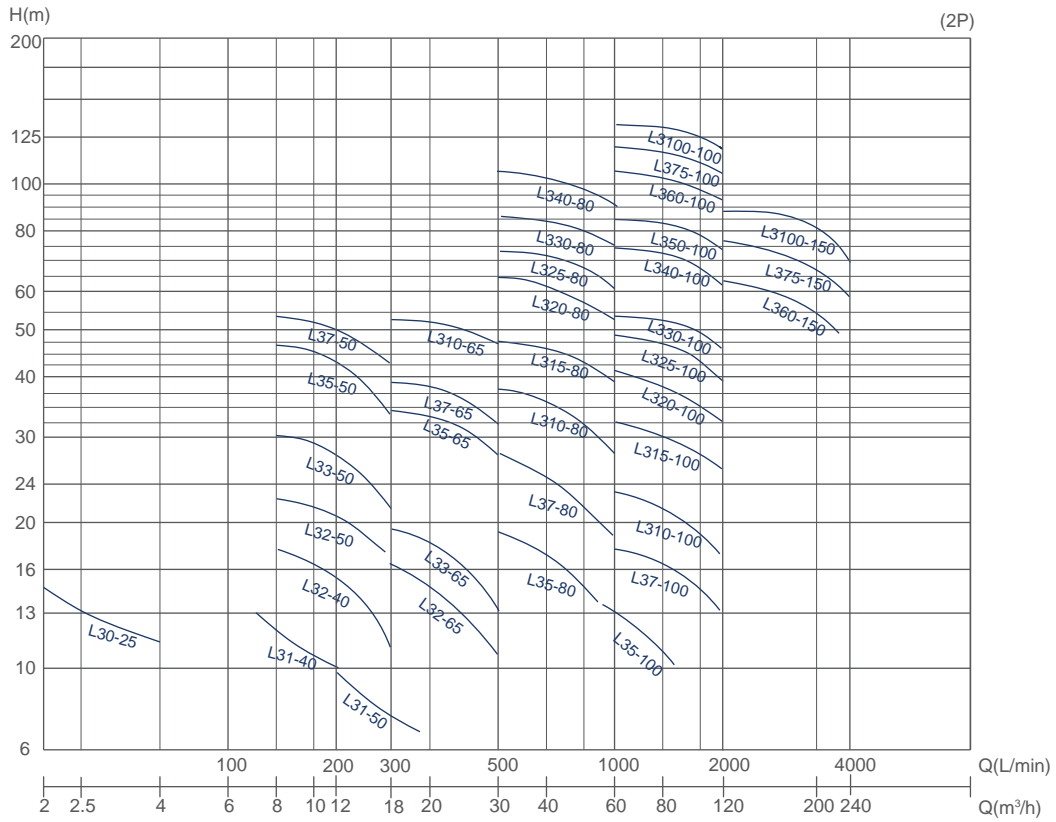
NO.	Name	Material	
		GB	JIS
1	Motor	-	-
2	Mechanical seal	C/AL <sub>2</sub> O <sub>3</sub>	C/AL <sub>2</sub> O <sub>3</sub>
3	Needle type veut	LBC6	LBC6
4	Bracket	HT200	FC200
5	Impeller	HT200	FC200
6	Pump casing	HT200	FC200
7	Plug	Q215A	SS34(SS330)
8	Key	45	S45C
9	O-ring	NBR	NBR
10	Seal ring	LBC6	LBC6
11	Bolts	Q215A	SS34(SS330)
12	Water slinger	NBR	NBR



## Installation sketch map



## Performance chart



## Performance parameters

(2P)

Type	Speed (r/min)	Capacity (m <sup>3</sup> /h)	Head (m)	Eff. (%)	Motor power		NPSHr (m)	Dia. (mm)	Weight (kg)
					(hp)	(kW)			
L-30-25	2900	2.0	15	30	0.5	0.37	2.5	25	24
		2.5	13	35			2.5		
		3.0	12	34			3.0		
L-31-40	2900	7.2	13	50	1	0.75	2.5	40	31
		9	11.5	55			2.5		
		10.8	10.5	54			3.0		
L-32-40	2900	8.8	17.5	52	2	1.5	2.5	40	39
		11	16	58			2.5		
		13.2	14	57			3.0		
L-31-50	2900	12.8	9.5	51	1	0.75	2.5	50	35
		16	8	55			2.5		
		19.2	7	54			3.0		
L-32-50	2900	8.8	21.5	47	2	1.5	2.5	50	42
		12.5	20	52			2.5		
		16.3	17.8	51			3.0		
L-33-50	2900	9.4	29.5	47	3	2.2	2.5	50	52
		11.7	28	52			2.5		
		14	25	50			3.0		
L-35-50	2900	9.4	46	43	5	3.7	2.5	50	72
		11.7	44	46			2.5		
		13	40	45			3.0		
L-37-50	2900	10	52	46	7.5	5.5	2.5	50	89
		12.5	50	48			2.5		
		15	47	46			3.0		
L-32-65	2900	16.8	16.5	60	2	1.5	2.5	65	45
		21	15	67			2.5		
		25.2	13	66			3.0		
L-33-65	2900	16	20	48	3	2.2	2.5	65	51
		22.3	18	52			2.5		
		29	14	46			3.0		
L-35-65	2900	20	33.5	60	5	3.7	2.5	65	75
		25	32	65			2.5		
		30	28.5	64			3.0		
L-37-65	2900	17.4	40.5	50	7.5	5.5	2.5	65	90
		21.7	38	56			2.5		
		26	34	54			3.0		
L-310-65	2900	20	51.5	57	10	7.5	2.5	65	95
		25	50	61			2.5		
		30	47	60			3.0		
L-35-80	2900	35.8	18	66	5	3.7	3.0	80	75
		44.7	16	73			3.0		
		53.6	14	72			3.5		
L-37-80	2900	34.6	26	66	7.5	5.5	3.0	80	101
		43.3	24	69			3.0		
		52	21	67			3.5		
L-310-80	2900	32	38	60	10	7.5	3.0	80	107
		40	36	67			3.0		
		48	33	66			3.5		
L-315-80	2900	37.4	46.5	61	15	11	3.0	80	150
		46.8	44	67			3.0		
		56.2	41	66			3.5		
L-320-80	2900	34.6	64	53	20	15	3.0	80	178
		43.3	60	59			3.0		
		52	57	58			3.5		
L-325-80	2900	37	73.5	50	25	18.5	3.0	80	200
		46.8	70	61			3.0		
		56	65	60			3.5		
L-330-80	2900	40	84	54	30	22	3.0	80	230
		50	80	63			3.0		
		60	75	62			3.5		
L-340-80	2900	36.4	108	54	40	30	3.0	80	360
		45.4	103	63			3.0		
		54.5	93	62			3.5		
L-35-100	2900	56	13.5	66	5	3.7	4.0	100	79
		70	12	73			4.0		
		84	10	72			4.5		
L-37-100	2900	68	17.5	68	7.5	5.5	4.0	100	102
		85	16	76			4.0		
		102	14	75			4.5		



## Performance parameters

(2P)

Type	Speed (r/min)	Capacity (m <sup>3</sup> /h)	Head (m)	Eff. (%)	Motor power		NPSHr (m)	Dia. (mm)	Weight (kg)
					(hp)	(kW)			
L-310-100	2900	72	22.5	69	10	7.5	4.0	100	102
		90	20	76			4.0		
		108	18	75			4.5		
L-315-100	2900	72	31.5	71	15	11	4.0	100	161
		90	28	77			4.0		
		108	26	76			4.5		
L-320-100	2900	69.2	40	67	20	15	4.0	100	187
		86.6	38	72			4.0		
		102	34.5	71			4.5		
L-325-100	2900	74.8	46	68	25	18.5	4.0	100	221
		93.5	44	74			4.0		
		112.2	40	73			4.5		
L-330-100	2900	80	52.5	68	30	22	4.0	100	276
		100	50	76			4.0		
		120	46	75			4.5		
L-340-100	2900	74.8	74	65	40	30	4.0	100	307
		93.5	70	70			4.0		
		112.2	64	69			4.5		
L-350-100	2900	80	84	65	50	37	4.0	100	388
		100	80	70			4.0		
		120	72	69			4.5		
L-360-100	2900	72	105	54	60	45	4.0	100	472
		90	100	62			4.0		
		108	92	60			4.5		
L-375-100	2900	76	118	58	75	55	4.0	100	562
		95.5	114	64			4.0		
		114	102	63			4.5		
L-3100-100	2900	80	130	59	100	75	4.0	100	697
		100	125	66			4.0		
		120	118	65			4.5		
L-360-150	2900	144	61	70	60	45	4.5	150	400
		180	58	75			4.5		
		216	52	74			5.0		
L-375-150	2900	150	76	68	75	55	4.5	150	508
		187	70	74			4.5		
		224	63	73			5.0		
L-3100-150	2900	160	86	67	100	75	4.5	150	770
		200	80	76			4.5		
		240	72	75			5.0		



## Performance parameters

(4P)

Type	Speed (r/min)	Capacity (m <sup>3</sup> /h)	Head (m)	Eff. (%)	Motor power		NPSHr (m)	Dia. (mm)	Weight (kg)
					(hp)	(kW)			
L-32-65	1450	18.7	11.8	56	2	1.5	3.0	65	70
		23.4	11	63			3.0		
		28	10.2	62			3.5		
L-33-65	1450	18.4	18.3	53	3	2.2	3.0	65	90
		23	17	58			3.0		
		27.6	15.5	56			3.5		
L-35-65	1450	17.6	27	42	5	3.7	3.0	65	111
		22	25	47			3.0		
		26.4	22.5	45			3.5		
L-35-65(I)	1450	20	22	54	5	3.7	3.0	65	120
		25	20	60			3.0		
		30	18.5	59			3.5		
L-37-65	1450	20	33	48	7.5	5.5	3.0	65	103
		25	32	54			3.0		
		30	30.8	53			3.5		
L-33-80	1450	32	14	56	3	2.2	3.0	80	112
		40	12	63			3.0		
		48	9	62			3.5		
L-35-80	1450	37	18.7	59	5	3.7	3.0	80	95
		46.7	17	64			3.0		
		56	16.6	63			3.5		
L-37-80	1450	40	22	60	7.5	5.5	3.0	80	126
		50	20	66			3.0		
		60	18	65			3.5		
L-310-80	1450	37	30	56	10	7.5	3.0	80	164
		46.7	28	62			3.0		
		56	26.5	61			3.5		
L-315-80	1450	40	34.2	60	15	11	3.0	80	198
		50	32	64			3.0		
		60	29	63			3.5		
L-35-100(I)	1450	69.2	10.5	66	5	3.7	3.0	100	120
		86.5	9.5	71			3.0		
		103.8	8	70			3.5		
L-37-100	1450	69.2	16.6	65	7.5	5.5	3.0	100	143
		86.5	15	73			3.0		
		103.8	13.2	71			3.5		
L-310-100	1450	74.8	18.5	69	10	7.5	3.0	100	185
		93.5	17.5	74			3.0		
		112.2	16	73			3.5		
L-315-100	1450	72.6	27.2	62	15	11	3.0	100	260
		90.8	25.8	69			3.0		
		109	22.8	68			3.5		
L-320-100	1450	80	34.5	67	20	15	3.0	100	282
		100	32	72			3.0		
		120	29	71			3.5		
L-37-150	1450	108	11	71	7.5	5.5	3.0	150	200
		130	10	75			3.0		
		156	9	74			3.5		
L-310-150	1450	107	15	71	10	7.5	3.0	150	230
		134	14	79			3.0		
		160	12.5	78			3.5		
L-315-150	1450	120	18.5	73	15	11	3.0	150	270
		147	17	80			3.0		
		180	15	79			3.5		
L-320-150	1450	128	21.5	75	20	15	3.0	150	317
		160	20	82			3.0		
		192	18	81			3.5		
L-320-150(I)	1450	110	26	65	20	15	3.0	150	317
		138	24	71			3.0		
		166	21	70			3.5		
L-325-150	1450	120	30	66	25	18.5	3.0	150	338
		150	28	73			3.0		
		180	25	72			3.5		
L-330-150	1450	128	34.8	68	30	22	3.0	150	400
		160	32	74			3.0		
		192	28	73			3.5		
L-315-200	1450	133	15	68	15	11	3.0	200	285
		167	14	76			3.0		
		200	13	75			3.5		



## Performance parameters

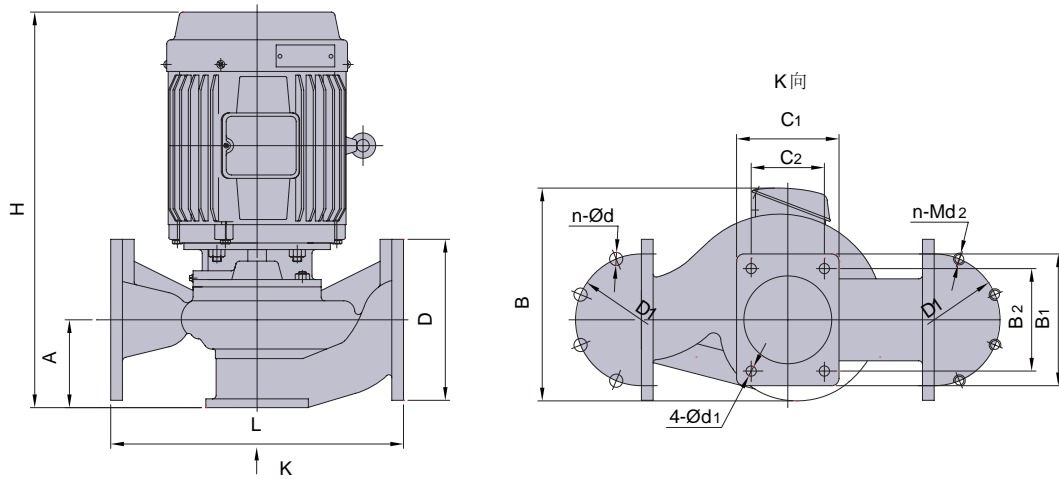
(4P)

Type	Speed (r/min)	Capacity (m <sup>3</sup> /h)	Head (m)	Eff. (%)	Motor power		NPSHr (m)	Dia. (mm)	Weight (kg)
					(hp)	(kW)			
L-320-200	1450	148	19	72	20	15	3.0	200	323
		185	17	78			3.0		
		222	15	77			3.5		
L-325-200	1450	160	21.5	72	25	18.5	3.0	200	350
		200	20	80			3.0		
		240	18	77			3.5		
L-325-200(I)	1450	138	25	69	25	18.5	3.5	200	350
		173	24	76			3.5		
		208	22	75			4.0		
L-330-200	1450	148	31	72	30	22	3.5	200	418
		185	28	78			3.5		
		222	24	77			4.0		
L-340-200	1450	160	34.6	72	40	30	3.5	200	487
		200	32	79			3.5		
		240	30	78			4.0		
L-350-200	1450	176	43	70	50	37	3.0	200	503
		200	40	76			3.5		
		264	36	74			4.0		
L-360-200	1450	256	35	73	60	45	4.0	200	515
		320	32	79			4.0		
		384	29	78			4.5		
L-375-200	1450	276	40	71	75	55	4.0	200	585
		346	38	78			4.0		
		415	36	77			4.5		
L-3100-200	1450	258	48	75	100	75	4.0	200	790
		374	44	79			4.0		
		430	38	77			4.5		
L-3125-200	1450	240	55	74	125	90	4.0	200	810
		400	50	81			4.0		
		460	45	76			4.5		
L-325-250	1450	264	15	75	25	18.5	4.5	250	382
		330	14	78			5.0		
		396	13	77			5.5		
L-330-250	1450	288	18	73	30	22	5.0	250	435
		360	16	79			5.0		
		432	14	78			5.5		
L-340-250	1450	320	22	74	40	30	5.0	250	508
		400	20	80			5.0		
		480	17	79			5.5		
L-350-250	1450	304	28	72	50	37	5.0	250	530
		380	26	78			5.0		
		456	22	77			5.5		
L-360-300	1450	500	19.5	73	60	45	5.0	300	750
		600	17	79			5.0		
		700	15	78			5.5		
L-375-300	1450	480	25	73	75	55	5.0	300	795
		600	23	79			5.0		
		720	20	78			5.5		
L-3100-300	1450	528	31	74	100	75	5.0	300	1050
		660	28	80			5.0		
		792	25.5	79			5.5		
L-3125-300	1450	576	34	75	125	90	5.0	300	1200
		720	32	80			5.0		
		864	27	79			5.5		





## Installation dimensions



(2P)

Type	Overall dimension				Installation dimension			Flange size			
	L	B	H	C <sub>1</sub> ×B <sub>1</sub>	A	C <sub>2</sub> ×B <sub>2</sub>	Ø d <sub>1</sub>	D	D <sub>1</sub>	n-Ød	n-Md <sub>2</sub>
L-30-25	250	211	349	130×130	67	100×100	14	115	85	4- 14	4-M12
L-31-40	280	236	379	150×150	72	120×120	14	150	110	4- 18	4-M16
L-32-40	280	268	416	150×150	72	120×120	14	150	110	4- 18	4-M16
L-31-50	280	236	379	150×150	72	120×120	14	150	110	4- 18	4-M16
L-32-50	300	268	445	150×150	94	120×120	14	165	125	4- 18	4-M16
L-33-50	360	287	452	120×170	95	80×130	14	165	125	4- 18	4-M16
L-35-50	360	303	508	120×170	95	80×130	14	165	125	4- 18	4-M16
L-37-50	360	355	550	120×170	95	80×130	14	165	125	4- 18	4-M16
L-32-65	320	268	454	170×170	100	140×140	14	185	145	4- 18	4-M16
L-33-65	320	268	454	170×170	100	140×140	14	185	145	4- 18	4-M16
L-35-65	360	302	516	120×180	105	90×150	14	185	145	4- 18	4-M16
L-37-65	360	355	557	120×180	105	90×150	14	185	145	4- 18	4-M16
L-310-65	360	355	572	120×180	105	90×150	14	185	145	4- 18	4-M16
L-35-80	360	302	522	140×180	110	100×140	14	200	160	8- 18	8-M16
L-37-80	430	354	579	140×200	120	100×160	18	200	160	8- 18	8-M16
L-310-80	430	355	592	140×200	120	100×160	18	200	160	8- 18	8-M16
L-315-80	430	434	714	140×200	120	100×160	18	200	160	8- 18	8-M16
L-320-80	520	434	721	140×200	125	100×160	18	200	160	8- 18	8-M16
L-325-80	520	434	825	140×200	125	100×160	18	200	160	8- 18	8-M16
L-330-80	540	537	847	140×200	130	100×160	18	200	160	8- 18	8-M16
L-340-80	600	535	894	190×280	140	150×240	18	200	160	8- 18	8-M16
L-35-100	400	302	541	150×180	120	120×150	14	220	180	8- 18	8-M16
L-37-100	400	355	582	150×180	120	120×150	14	220	180	8- 18	8-M16
L-310-100	400	355	597	150×180	120	120×150	14	220	180	8- 18	8-M16
L-315-100	450	434	734	160×200	135	120×160	18	220	180	8- 18	8-M16
L-320-100	450	434	734	160×200	135	120×160	18	220	180	8- 18	8-M16
L-325-100	540	434	852	160×220	140	120×180	18	220	180	8- 18	8-M16
L-330-100	540	537	863	160×220	140	120×180	18	220	180	8- 18	8-M16
L-340-100	540	535	888	160×220	140	120×180	18	220	180	8- 18	8-M16
L-350-100	600	560	959	190×280	140	150×240	18	220	180	8- 18	8-M16
L-360-100	700	568	987	210×280	165	170×240	18	220	180	8- 18	8-M16
L-375-100	700	640	996	210×280	165	170×240	18	220	180	8- 18	8-M16
L-3100-100	700	796	1090	210×280	165	170×240	18	220	180	8- 18	8-M16
L-360-150	640	564	1001	200×280	190	160×240	18	285	240	8- 22	8-M20
L-375-150	710	640	1038	250×300	205	210×260	22	285	240	8- 22	8-M20
L-3100-150	710	796	1132	250×300	205	210×260	22	285	240	8- 22	8-M20





For further details, please fulfill the chart below.

Customer \_\_\_\_\_ Undertaker \_\_\_\_\_

Name of project \_\_\_\_\_ Address of project \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

Type \_\_\_\_\_ Quantity \_\_\_\_\_

Performance parameters	Medium name		* (°C) Medium temperature		
	* (m <sup>3</sup> /h) Capacity		* (m) Head		
	* (MPa) Inlet pressure				
	Seal form	Mechanical seal(standard) _____ Other _____			
	Major parts' material	Pump body	HT250 Standard	Other _____	
		Impeller	HT250 Standard	Other _____	
		Shaft	2Cr13 Standard	Other _____	
	Installation type	( ) Clockwise rotation looking from motor to pump body(standard). Anti-clock wise rotation looking from motor to pump body.			
	Power	(V) Voltage		(Hz) Frequency	
	Moter	Type		(kW) Power	
IP code			Class of insulation		
Other requirement					
Notes	<p>1. The foundation bolt and discharge cone are not in the ex-factory standard layout.</p> <p>2. Please fill in the parameter lists as complete as possible. The item with * * * must be filled.</p>				



# 欢迎索取以下产品型录



泵系列



搅拌推流系列



供氧曝气系列



风机系列



污泥处理设备  
及其他



川源(中国)机械有限公司  
GSD (China) Co.,Ltd.

## 800-820-1977

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CY-C8