

## ZJ series slurry pump

is a single stage, single-suction centrifugal pump that is designed to transport the strong abrasive and high concentration slurries or corrosive slurries. Design concentration for ash slurry and coal slurry pumping is 45% by weight, and 60% for ore slurry pumping, at pH levels 5 to 12. To achieve more efficacy, ZJ slurry pumps can be used by series connection for special application request.



### Applications:

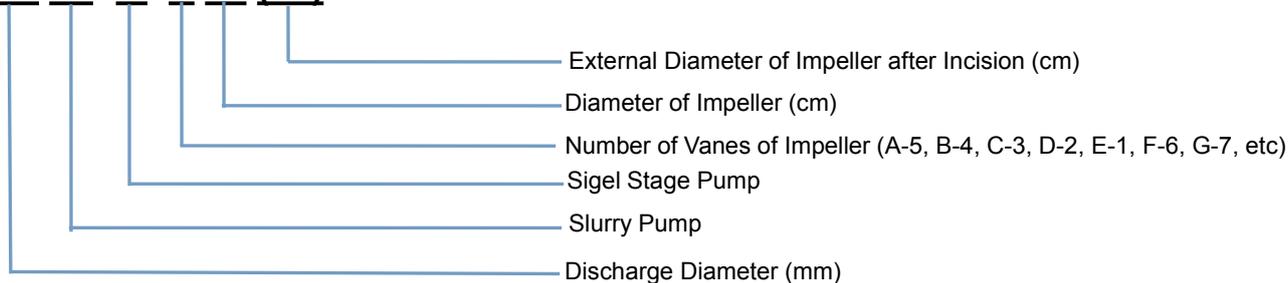
- Power Plants
- Mining Process Industry
- Metallurgical Industry
- Coal Mines
- Building Material Industry

### Features

- The discharge outlet can be adjusted at eight directions with intervals of 45 degree to adapt various operating environments
- High chrome alloy lining allows for various abrasive material handling
- Large handling size means fewer clogged impellers
- Robust design allows it to be in difficult application environments
- High efficiency enable it save large renege
- Strong abrasive resistance material means long life cycle and low maintenance cost
- Replaceable wear metal liner means simple maintenance

### Type Designation:

**300 ZJ - I - A 60 (58)**



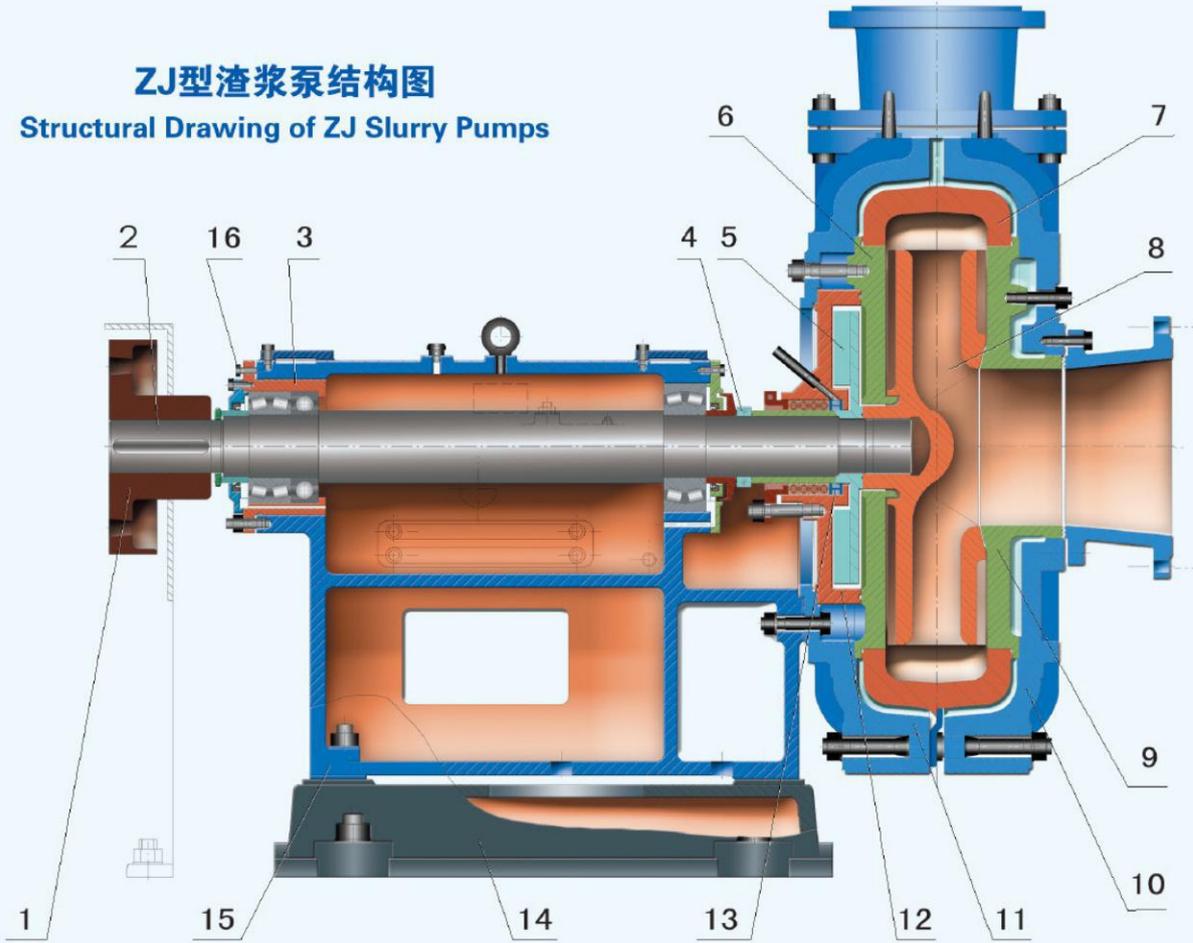
### Diving Patterns:



DC - Direct Driven  
HC - Direct Driven via Hydraulic Coupling  
(CR, CL, ZV, CV) - Belt Driven

ZJ型渣浆泵结构图

Structural Drawing of ZJ Slurry Pumps



- |         |                   |
|---------|-------------------|
| 1、联轴器   | Coupling          |
| 2、轴     | Shaft             |
| 3、轴承箱   | Bearing housing   |
| 4、拆卸环   | Disassembly ring  |
| 5、副叶轮   | Expeller          |
| 6、后护板   | Rear Liner plate  |
| 7、蜗壳    | Volute casing     |
| 8、叶轮    | Impeller          |
| 9、前护板   | Front Liner plate |
| 10、前泵壳  | Front casing      |
| 11、后泵壳  | Rear casing       |
| 12、填料箱  | Stuffing box      |
| 13、水封环  | Water-seal        |
| 14、底座   | Base              |
| 15、托架   | Support           |
| 16、调节螺钉 | Adjusting bolts   |

The Clean Water Performance of ZJ Slurry Pumps (Driving Pattern: DC)

Type	Speed n (r/min)	Capacity Q (m³/h)	Head H (m)	Power of Shaft (KW)	Eff. (%)	Fitted Electric Motor	
						Type	Power/Volte (KW/V)
350ZJ-I-F100	590	1035	62.8	293.1	60.4	Y450-10	355/6000
		1988	59.4	417.6	77.0	Y450-10	500/6000
		2339	55.0	455.6	76.9	Y450-10	560/6000
	490	860	43.3	167.9	60.4	Y450-12	220/6000
		1651	41.0	239.4	77.0	Y500-12	315/6000
		1943	37.9	260.8	79.6	Y500-12	315/6000
350ZJ-I-A85	742	1901	62.1	487.5	65.9	Y500-8	560/6000
		2644	56.1	523.0	77.2	Y500-8	630/6000
		3741	42.4	609.9	70.8	Y500-8	710/6000
	591	1514	39.4	246.3	65.9	Y450-10	280/6000
		2106	35.6	264.3	77.2	Y450-10	315/6000
		2980	26.9	308.2	70.8	Y450-10	355/6000
350ZJ-I-A80	742	1552	56.2	340.1	69.8	Y450-8	400/6000
		2227	50.4	403.5	75.7	Y450-8	450/6000
		3575	28.8	509.5	55.0	Y450-8	560/6000
	591	1236	35.7	172.0	69.8	Y450-10	220/6000
		1773	32.0	204.0	75.7	Y450-10	250/6000
		2847	18.2	256.5	55.0	Y450-10	280/6000
300ZJ-I-A95	590	867	58.8	217.9	63.7	Y450-10	280/6000
		1696	53.9	321.6	77.4	Y500-10	400/6000
		1735	53.5	325.3	77.7	Y500-10	400/6000
	490	720	40.6	125.0	63.7	Y450-12	185/6000
		1408	37.2	184.3	77.4	Y450-12	220/6000
		1441	36.9	186.4	77.7	Y450-12	220/6000
300ZJ-I-A90	730	922	79.9	290.3	69.1	Y450-8	355/6000
		1648	73.6	410.3	80.5	Y500-8	500/6000
		1844	70.7	436.2	81.4	Y500-8	560/6000
	590	754	52.2	153.3	69.1	Y450-10	185/6000
		1332	48.1	216.7	80.5	Y450-10	280/6000
		1490	46.2	230.3	81.4	Y450-10	280/6000
300ZJ-I-A85	730	871	71.3	255.9	66.1	Y450-8	315/6000
		1556	65.6	358.7	77.5	Y450-8	450/6000
		1742	63.1	381.7	78.4	Y450-8	450/6000
	590	704	46.6	135.2	66.1	Y355L2-10	160/6000
		1258	42.9	189.6	77.5	Y450-10	220/6000
		1408	41.2	201.5	78.4	Y450-10	250/6000

## The Clean Water Performance of ZJ Slurry Pumps (Driving Pattern: DC)

Type	Speed n (r/min)	Capacity Q (m <sup>3</sup> /h)	Head H (m)	Power of Shaft (KW)	Eff. (%)	Fitted Electric Motor	
						Type	Power/Volte (KW/V)
300ZJ-I-A70	980	1269	76.8	368.6	72.0	Y450-6	450/6000
		2118	66.7	480.9	80.0	Y450-6	630/6000
		2333	64.0	505.8	80.4	Y450-6	630/6000
	730	945	42.6	152.3	72.0	Y355L1-8	185/380
		1578	37.0	198.8	80.0	Y400-8	250/6000
		1738	35.5	209.0	80.4	Y400-8	250/6000
250ZJ-I-A90	730	690	82.4	255.5	60.6	Y450-8	315/6000
		1009	79.1	310.5	70.0	Y450-8	400/6000
		1374	74.3	376.7	73.8	Y450-8	450/6000
	590	558	53.8	134.9	60.6	Y355L2-10	160/380
		816	51.7	164.1	70.0	Y450-10	200/6000
		1111	48.5	198.8	73.8	Y450-10	200/6000
250ZJ-I-A85	980	752	128.7	446.0	59.1	Y450-6	560/6000
		1248	124.4	587.2	72.0	Y500-6	710/6000
		1504	120.4	652.3	75.6	Y500-6	800/6000
	730	590	71.4	184.2	59.1	Y400-8	220/6000
		930	69.0	242.7	72.0	Y450-8	315/6000
		1120	66.8	269.5	75.6	Y450-8	315/6000
250ZJ-I-A80	980	708	114.0	391.8	56.1	Y450-6	500/6000
		1175	110.2	511.1	69.0	Y450-6	630/6000
		1416	106.7	566.7	72.6	Y450-6	710/6000
	730	527	63.2	161.7	56.1	Y400-8	200/6000
		875	61.1	211.0	69.0	Y400-8	280/6000
		1054	59.2	234.1	72.6	Y400-8	280/6000
250ZJ-I-A75	980	600	97.5	255.7	62.3	Y400-6	315/6000
		1100	92.0	362.6	76.0	Y450-6	450/6000
		1480	83.2	443.6	75.6	Y450-6	560/6000
	730	447	54.1	105.7	62.3	Y355M1-8	132/380
		819	51.0	149.7	76.0	Y355L1-8	185/380
		1102	46.2	183.4	75.6	Y400-8	220/6000
250ZJ-I-A70	980	560	84.9	218.3	59.3	Y400-6	280/6000
		1027	80.1	306.9	73.0	Y400-6	400/6000
		1381	72.5	375.6	72.6	Y450-6	450/6000
	730	417	47.1	90.2	59.3	Y315L2-8	110/380
		764	44.4	126.5	73.0	Y355M2-8	160/380
		1029	40.2	155.2	72.6	Y355L1-8	185/380

The Clean Water Performance of ZJ Slurry Pumps (Driving Pattern: DC)

Type	Speed n (r/min)	Capacity Q (m <sup>3</sup> /h)	Head H (m)	Power of Shaft (KW)	Eff. (%)	Fitted Electric Motor	
						Type	Power/Volte (KW/V)
250ZJ-I-A65	980	597	71.0	178.1	64.8	Y355-6	220/6000
		970	66.2	233.2	75.0	Y400-6	280/6000
		1249	61.4	271.6	76.9	Y400-6	315/6000
	730	445	39.4	73.7	64.8	Y315L1-8	90/380
		723	36.7	96.3	75.0	Y355M1-8	132/380
		930	34.1	112.3	76.9	Y355M1-8	132/380
250ZJ-I-A60	980	551	60.5	146.9	61.8	Y355M2-6	185/380
		895	56.4	190.9	72.0	Y355L2-6	250/380
		1153	52.3	222.2	73.9	Y400-6	280/6000
	730	411	33.6	60.7	61.8	Y315M-8	75/380
		667	31.3	79.0	72.0	Y315L2-8	110/380
		858	29.1	92.0	73.9	Y315L2-8	110/380
200ZJ-I-A85	980	441	133.7	321.1	50.0	Y400-6	400/6000
		858	128.2	437.9	68.4	Y450-6	560/6000
		907	127.9	448.1	70.5	Y450-6	560/6000
	730	329	74.2	133.0	50.0	Y355M2-8	160/380
		639	71.1	180.9	68.4	Y400-8	220/6000
		679	71.0	185.4	70.5	Y400-8	220/6000
200ZJ-I-A75	980	450	102.9	205.4	61.4	Y355-6	250/6000
		750	95.7	275.1	72.0	Y400-6	355/6000
		900	91.0	306.4	72.8	Y400-6	355/6000
	730	335	57.1	84.8	61.4	Y315L2-8	110/380
		559	53.1	112.3	72.0	Y355M1-8	132/380
		670	50.5	126.6	72.8	Y355M2-8	160/380
200ZJ-I-A70	980	409	86.4	172.5	55.8	Y355M3-6	200/380
		738	82.3	230.7	71.7	Y400-6	280/6000
		976	77.6	272.8	75.6	Y400-6	315/6000
	730	305	47.9	71.3	55.8	Y315L1-8	90/380
		550	45.7	95.5	71.7	Y355M1-8	132/380
		727	43.1	112.9	75.6	Y355M1-8	132/380
200ZJ-I-A65	980	470	72.0	145.8	63.2	Y355M2-6	185/380
		820	68.1	197.5	77.0	Y355-6	250/6000
		950	65.6	213.2	79.6	Y355-6	250/6000
	730	350	40.0	60.3	63.2	Y315M-8	75/380
		611	37.8	81.7	77.0	Y315L2-8	110/380
		708	36.4	88.2	79.6	Y315L2-8	110/380

The Clean Water Performance of ZJ Slurry Pumps (Driving Pattern: DC)

Type	Speed n (r/min)	Capacity Q (m³/h)	Head H (m)	Power of Shaft (KW)	Eff. (%)	Fitted Electric Motor	
						Type	Power/Volte (KW/V)
200ZJ-I-A60	980	435	62.0	114.0	64.4	Y315L2-6	132/380
		740	58.0	146.1	80.0	Y355M2-6	185/380
		870	55.5	159.0	82.7	Y355M2-6	185/380
	730	324	34.4	47.1	64.4	Y315M-8	75/380
		551	32.2	60.4	80.0	Y315L1-8	90/380
		648	30.8	65.7	82.7	Y315L1-8	90/380
150ZJ-I-A70	980	186	91.2	95.4	48.4	Y315L2-6	132/380
		285	87.1	115.8	58.4	Y355M1-6	160/380
		401	79.8	139.9	62.3	Y355M2-6	185/380
	730	139	50.6	39.6	48.4	Y315S-8	55/380
		212	48.3	47.7	58.4	Y315M-8	75/380
		299	44.3	57.9	62.3	Y315M-8	75/380
150ZJ-I-A65	980	300	75.7	112.0	55.2	Y315L2-6	132/380
		500	73.0	144.1	69.0	Y355M2-6	185/380
		600	69.4	161.5	70.2	Y355M3-6	200/380
	730	223	42.0	46.2	55.2	Y315M-8	75/380
		372	40.5	59.5	69.0	Y315M-8	75/380
		447	38.5	66.8	70.2	Y315L1-8	90/380
150ZJ-I-A60	980	270	63.5	80.2	58.2	Y315L1-6	110/380
		470	60.5	107.6	72.0	Y315L2-6	132/380
		550	58.7	117.9	74.6	Y355M1-6	160/380
	730	201	35.2	33.1	58.2	Y280M-8	45/380
		350	33.6	44.5	72.0	Y315S-8	55/380
		410	32.6	48.8	74.6	Y315M-8	75/380
150ZJ-I-A55	980	248	53.4	65.3	55.2	Y315M-6	90/380
		431	50.8	86.4	69.0	Y315L1-6	110/380
		504	49.3	94.5	71.6	Y315L1-6	110/380
	730	184	29.6	26.9	55.2	Y280S-8	37/380
		321	28.2	35.7	69.0	Y280M-8	45/380
		376	27.4	39.2	71.6	Y315S-8	55/380
150ZJ-I-A50	980	230	43.1	42.6	63.3	Y280M-6	55/380
		380	40.0	55.2	75.0	Y315S-6	75/380
		460	37.8	61.7	76.8	Y315S-6	75/380
	730	171	23.9	17.6	63.3	Y250M-8	30/380
		283	22.2	22.8	75.0	Y250M-8	30/380
		343	21.0	25.5	76.8	Y280S-8	37/380

The Clean Water Performance of ZJ Slurry Pumps (Driving Pattern: DC)

Type	Speed n (r/min)	Capacity Q (m <sup>3</sup> /h)	Head H (m)	Power of Shaft (KW)	Eff. (%)	Fitted Electric Motor	
						Type	Power/Volte (KW/V)
150ZJ-I-A48	980	221	39.7	38.4	62.3	Y280M-6	55/380
		365	36.9	49.6	74.0	Y315S-6	75/380
		442	34.8	55.3	75.8	Y315S-6	75/380
	730	164	22.0	15.8	62.3	Y225M-8	22/380
		272	20.5	20.5	74.0	Y250M-8	30/380
		329	19.4	22.9	75.8	Y250M-8	30/380
100ZJ-I-A50	1480	180	100.2	85.7	57.3	Y315S-4	110/380
		300	95.0	113.3	68.5	Y315M-4	132/380
		360	91.6	131.7	68.2	Y315L1-4	160/380
	980	119	43.9	24.8	57.3	Y225M-6	30/380
		199	41.7	33.0	68.5	Y280S-6	45/380
		238	40.2	38.2	68.2	Y280M-6	55/380
100ZJ-I-A46	1480	166	84.8	69.3	55.3	Y280M-4	90/380
		276	80.4	90.9	66.5	Y315S-4	110/380
		331	77.5	105.5	66.2	Y315M-4	132/380
	980	109	37.2	20.0	55.3	Y225M-6	30/380
		183	35.3	26.5	66.5	Y250M-6	37/380
		219	34.0	30.6	66.2	Y250M-6	37/380
100ZJ-I-A42	1480	140	70.8	50.3	53.7	Y280S-4	75/380
		245	67.0	65.7	68.0	Y280M-4	90/380
		275	65.5	69.7	70.4	Y280M-4	90/380
	980	93	31.0	14.6	53.7	Y200L2-6	22/380
		162	29.4	19.1	68.0	Y225M-6	30/380
		182	28.7	20.2	70.4	Y225M-6	30/380
100ZJ-I-A39	1480	130	61.0	41.8	51.7	Y250M-4	55/380
		228	57.8	54.4	66.0	Y280S-4	75/380
		255	56.5	57.4	68.4	Y280S-4	75/380
	980	86	26.7	12.1	51.7	Y200L1-6	18.5/380
		150	25.4	15.7	66.0	Y200L2-6	22/380
		169	24.7	16.6	68.4	Y225M-6	30/380
100ZJ-I-B42	1480	176	66.8	55.7	57.5	Y280S-4	75/380
		309	60.5	73.3	69.5	Y280M-4	90/380
		365	56.9	79.0	71.6	Y280M-4	90/380
	980	117	29.3	16.2	57.5	Y200L2-6	22/380
		205	26.5	21.3	69.5	Y225M-6	30/380
		242	24.9	22.9	71.6	Y225M-6	30/380

The Clean Water Performance of ZJ Slurry Pumps (Driving Pattern: DC)

Type	Speed n (r/min)	Capacity Q (m <sup>3</sup> /h)	Head H (m)	Power of Shaft (KW)	Eff. (%)	Fitted Electric Motor	
						Type	Power/Volte (KW/V)
100ZJ-I-A36	1480	130	49.5	28.9	60.7	Y225S-4	37/380
		220	45.0	38.0	71.0	Y250M-4	55/380
		245	43.4	40.4	71.6	Y250M-4	55/380
	980	86	21.7	8.4	60.7	Y180L-6	15/380
		146	19.7	11.0	71.0	Y180L-6	15/380
		162	19.0	11.7	71.6	Y200L1-6	18.5/380
100ZJ-I-A33	1480	119	41.6	23.0	58.7	Y200L-4	30/380
		202	37.8	30.1	69.0	Y225S-4	37/380
		225	36.5	32.1	69.6	Y225M-4	45/380
	980	79	18.2	6.7	58.7	Y160L-6	11/380
		134	16.6	8.8	69.0	Y180L-6	15/380
		149	16.0	9.3	69.6	Y180L-6	15/380
80ZJ-I-A52	1480	107	109.8	82.5	38.8	Y315S-4	110/380
		182	105.5	100.6	52.0	Y315M-4	132/380
		242	99.0	115.9	56.3	Y315L1-4	160/380
	980	71	48.1	24.0	38.8	Y225M-6	30/380
		121	46.3	29.3	52.0	Y250M-6	37/380
		160	43.4	33.6	56.3	Y280S-6	45/380
80ZJ-I-A42	1480	130	70.4	41.8	59.6	Y250M-4	55/380
		170	67.2	47.9	65.0	Y280S-4	75/380
		204	64.2	53.5	66.7	Y280S-4	75/380
	980	86	30.9	12.1	59.6	Y200L1-6	18.5/380
		113	29.5	14.0	65.0	Y200L2-6	22/380
		135	28.1	15.5	66.7	Y200L2-6	22/380
80ZJ-I-A39	1480	121	60.7	34.7	57.6	Y225M-4	45/380
		158	57.9	39.5	63.0	Y250M-4	55/380
		189	55.4	44.1	64.7	Y250M-4	55/380
	980	80	26.6	10.1	57.6	Y180L-6	15/380
		105	25.4	11.5	63.0	Y200L1-6	18.5/380
		125	24.2	12.8	64.7	Y200L1-6	18.5/380
80ZJ-I-A36	1480	98	51.4	23.6	58.2	Y200L-4	30/380
		140	48.0	27.7	66.0	Y225S-4	37/380
		190	42.7	32.6	67.7	Y225M-4	45/380
	980	65	22.5	6.8	58.2	Y160L-6	11/380
		93	21.0	8.1	66.0	Y160L-6	11/380
		126	18.7	9.5	67.7	Y180L-6	15/380

The Clean Water Performance of ZJ Slurry Pumps (Driving Pattern: DC)

Type	Speed n (r/min)	Capacity Q (m <sup>3</sup> /h)	Head H (m)	Power of Shaft (KW)	Eff. (%)	Fitted Electric Motor	
						Type	Power/Volte (KW/V)
80ZJ-I-A33	1480	90	43.2	18.8	56.2	Y200L-4	30/380
		128	40.3	21.9	64.0	Y200L-4	30/380
		174	35.9	25.9	65.7	Y225S-4	37/380
	980	60	18.9	5.5	56.2	Y160M-6	7.5/380
		85	17.6	6.4	64.0	Y160L-6	11/380
		116	15.7	7.5	65.7	Y160L-6	11/380
65ZJ-I-A30	1460	47	34.8	7.9	56.2	Y160M-4	11/380
		62	33.9	9.2	62.0	Y160L-4	15/380
		79	32.0	10.8	63.5	Y160L-4	15/380
	960	31	15.0	2.3	56.2	Y132M1-6	4/380
		41	14.7	2.6	62.0	Y132M2-6	5.5/380
		52	13.8	3.1	63.5	Y132M2-6	5.5/380
65ZJ-I-A27	1460	42	28.2	6.0	54.2	Y160M-4	11/380
		56	27.5	7.0	60.0	Y160M-4	11/380
		71	25.9	8.1	61.5	Y160M-4	11/380
	960	28	12.2	1.7	54.2	Y132S-6	3/380
		37	11.9	2.0	60.0	Y132M1-6	4/380
		47	11.2	2.3	61.5	Y132M1-6	4/380
50ZJ-I-A50	1480	57	110.7	50.7	33.9	Y280S-4	75/380
		91	105.5	60.9	42.9	Y280S-4	75/380
		111	99.8	66.9	45.1	Y280M-4	90/380
	980	38	48.5	14.8	33.9	Y200L2-6	22/380
		60	46.3	17.6	42.9	Y225M-6	30/380
		74	43.8	19.6	45.1	Y225M-6	30/380
50ZJ-I-A46	1480	48	85.8	34.8	32.2	Y225M-4	45/380
		77	82.3	41.4	41.7	Y250M-4	55/380
		94	79.9	45.8	44.7	Y250M-4	55/380
	970	31	36.9	9.7	32.2	Y180L-6	15/380
		50	35.4	11.6	41.7	Y180L-6	15/380
		62	34.3	13.0	44.7	Y200L1-6	18.5/380
50ZJ-I-A33	1480	26	42.5	9.2	32.8	Y160L-4	15/380
		40	40.0	10.7	40.6	Y180M-4	18.5/380
		54	34.5	12.3	41.4	Y180M-4	18.5/380
	960	17	17.9	2.5	32.8	Y132M1-6	4/380
		26	16.8	2.9	40.6	Y132M2-6	5.5/380
		35	14.5	3.3	41.4	Y132M2-6	5.5/380

## The Clean Water Performance of ZJ Slurry Pumps (Driving Pattern: DC)

Type	Speed n (r/min)	Capacity Q (m <sup>3</sup> /h)	Head H (m)	Power of Shaft (KW)	Eff. (%)	Fitted Electric Motor	
						Type	Power/Volte (KW/V)
40ZJ-I-A19	2930	16.3	57.1	6.5	39.2	Y160M1-2	11/380
		30.0	54.9	8.1	55.4	Y160M1-2	11/380
		34.9	53.7	8.7	58.8	Y160M1-2	11/380
	1430	8.0	13.6	0.8	39.2	Y90L-4	1.5/380
		14.6	13.1	0.8	55.4	Y90L-4	1.5/380
		17.0	12.8	1.0	58.8	Y100L1-4	2.2/380
40ZJ-I-A17	2900	9.4	44.6	3.4	33.2	Y132S1-2	5.5/380
		17.9	42.7	4.2	49.5	Y132S2-2	7.5/380
		23.4	39.3	4.8	52.4	Y132S2-2	7.5/380
	1400	4.5	10.3	0.4	33.2	Y80L-4	0.55/380
		8.6	9.9	0.5	49.5	Y90S-4	1.1/380
		11.3	9.1	0.5	52.4	Y90S-4	1.1/380

Note: The efficiency refers to the value when packing shaft seal is used.




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