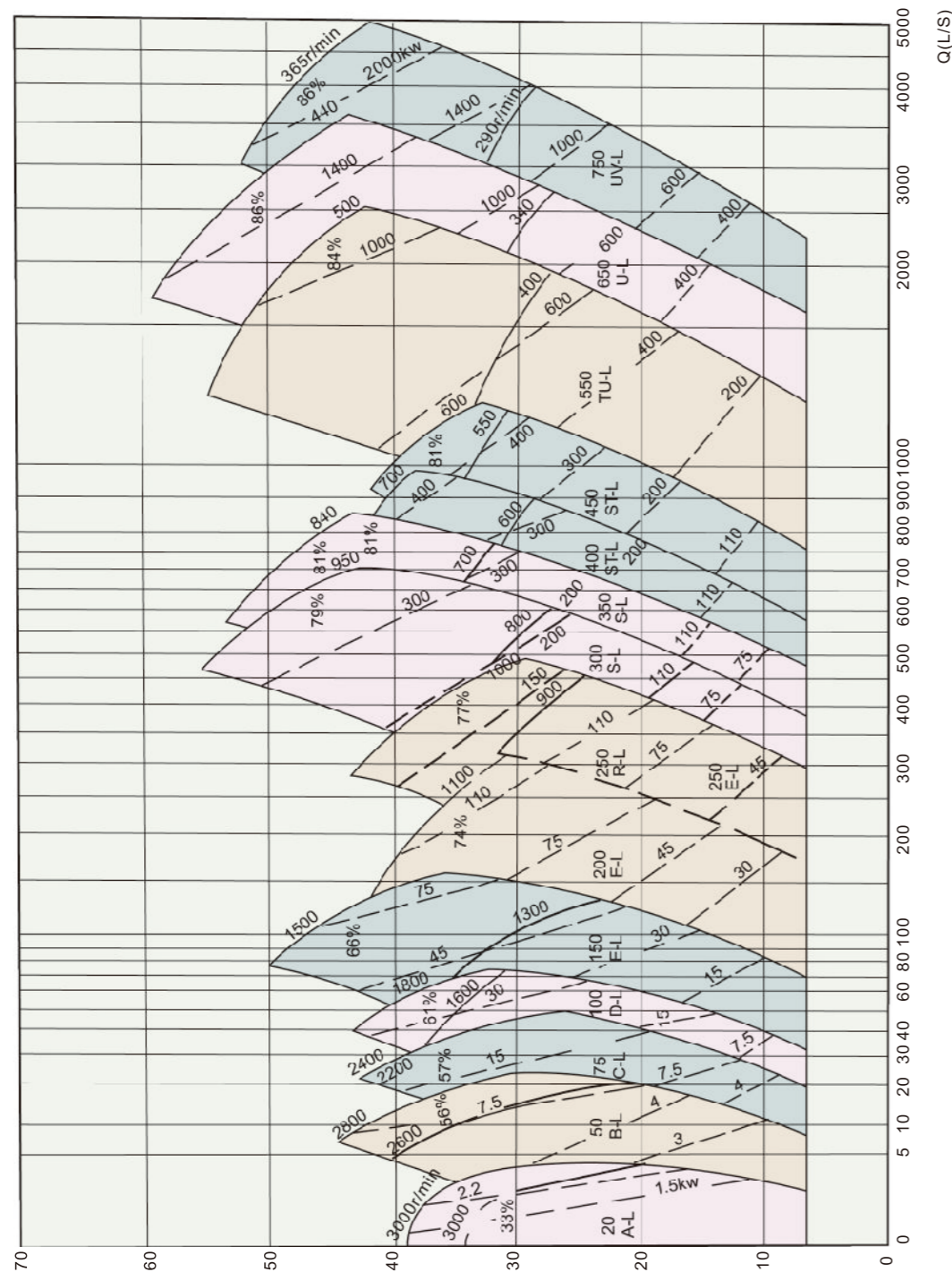


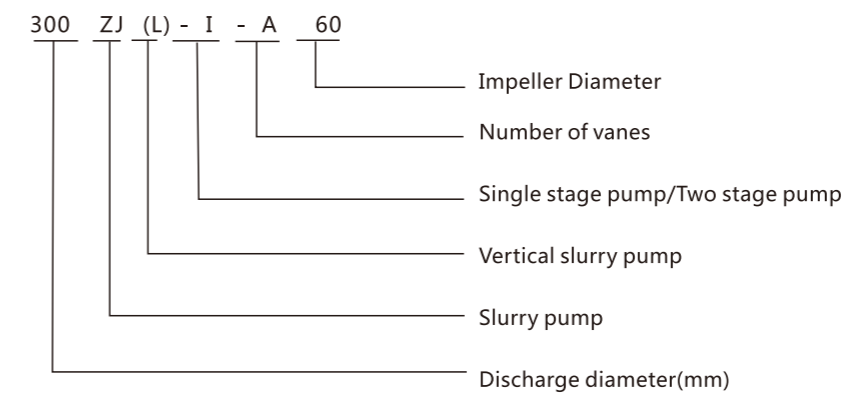
Selection & Performance Chart



Note: Approximate performance in clear water, just for primary selection only.

Features and Application:

ZJ series slurry pump is designed by our plant, which is a kind of single stage, end suction, centrifugal type pump. The wet part is made of high chrome white iron and has high performance in anti-abrasive, anti-corrosive, anti-shock aspect. This can give pump longer life and economic cost performance. This kind of pump can be divided into two kinds by structure: horizontal(ZJ series) and Vertical(ZJL series). For the horizontal version, the discharge diameter can range from 350mm, 300mm, 250mm, 200mm, 150mm, 100mm, 80mm, 65mm, 50mm, 40mm, etc. For different head, we can choose different impeller to suit or satisfy the head by cutting the impeller. This kind of pump now is widely used in power plant, metallurgy industry, coal washing industry, building industry and chemical industry. Mainly used to transport the abrasive slurry, for example: the concentrate and tail slurry in ore dressing plant, slag handling in power plant, coal mud transportation and heavy medium coal separation, sand transportation in the shore work etc. The max weight concentration of slurry which can process is:45% mortar slurry, 60% mining slurry. For transmission type, we can use DC, V belt, hydraulic coupling, frequency speed adjusting etc. This kind of pump also can be used in series or in parallel working together.



(symbol)	A	B	C	D	E	F	G	...
(Number of Vanes)	5	4	3	2	1	6	7	...

■ Slurry Pump Performance Chart

Pump model	Allowable Max.Power (kw)	Clear water performance					Particle Max.Size Handled Qccasionally (mm)	Pump Weight (kg)
		Capacity Q m ³ /h	Head H (m)	Speed n (r/min)	Max.EFF. (%)	NPSH (m)		
150ZJ-A55	110	124-504	12.3-53.4	490-980	72.9	2.3	48	2019
150ZJ-C58	160	134-596	12.8-61	490-980	69.1	7	75	2063
150ZJ-A57	110	95-427	13.2-56.3	490-980	67.8	1.8	32	2023
150ZJ-A50	75	115-460	9.5-43.1	490-980	76.8	2.5	48	1735
150ZJ-A48	75	111-442	8.7-39.7	490-980	75.8	2.5	48	1728
150ZJ-C42	132	142-550	12.1-62.8	700-1480	77.1	2.2	69	1605
100ZJ-A50	160	85-360	20.5-100.2	700-1480	69.6	2.5	34	1475
100ZJ-A46	132	79-331	17.3-84.8	700-1480	67.6	2.3	34	1461
100ZJ-A42	90	66-275	14.7-70.8	700-1480	71	2.5	35	1075
100ZJ-A39	75	61-255	12.6-61	700-1480	69	2.4	35	1064
100ZJ-B42	90	83-365	12.7-66.8	700-1480	71.6	2.5	40	1085
100ZJ-A36	55	61-245	9.7-49.5	700-1480	71.6	2	32	1010
100ZJ-A33	45	56-225	8.2-41.6	700-1480	69.6	1.8	32	1003
80ZJ-A52	160	51-242	22.1-109.8	700-1480	56.3	2.1	21	1465
80ZJ-A42	75	61-204	14.4-70.4	700-1480	66.7	2.5	24	1053
80ZJ-A39	55	57-189	12.4-60.7	700-1480	64.7	2.4	24	1042
80ZJ-A36	45	46-190	9.6-51.4	700-1480	67.7	2.5	24	980
80ZJ-A33	37	43-174	8-43.2	700-1480	65.7	2.3	24	973
65ZJ-A30	15	23-79	7.4-34.8	700-1480	63.5	2	19	504
65ZJ-A27	11	20-71	6-28.2	700-1480	61.5	1.8	19	500
50ZJ-A50	90	27-111	22.3-110.7	700-1480	45.1	3	13	1378
50ZJ-A46	55	23-94	17.9-85.8	700-1480	44.7	1.4	14	1082
50ZJ-A33	18.5	12-54	7.7-42.5	700-1480	42.1	2.9	13	537
40ZJ-A17	7.5	4-23	9-44.6	700-1480	52.4	2.5	11	121

- Note: 1. (NPSH)r refers to the value at the specified point at the second speed in the sample book.
 2. The normal size of particle handled is 56% of the max size that can be handled occasionally.
 3. There are two weight data on common bases. They are the weight data of the high speed pumps without brackets, the slow speed pumps in bracket.

■ G/GH Gravel Pumps
■ Product Features

Type G(or GH) gravel pumps are designed for continuously handling the most difficult high abrasive slurries which contain too big solids to be pumped by a common pump. They are suitable for delivering slurries in mining, explosive sludge in metal melting, dredging in dredger and river course, and other fields, Type GH are high head pumps. Construction of this pump is of single casing connected by means of clamp bands and wide wet-passage. The wet-parts are made of Ni-hard and high chromium abrasion-resistance alloys. The discharge direction of pump can be oriented in any direction of 360. This type of pump possesses the advantages of easy installation and operation, good performance of NPSH and abrasion-resistance.

