

■ 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.

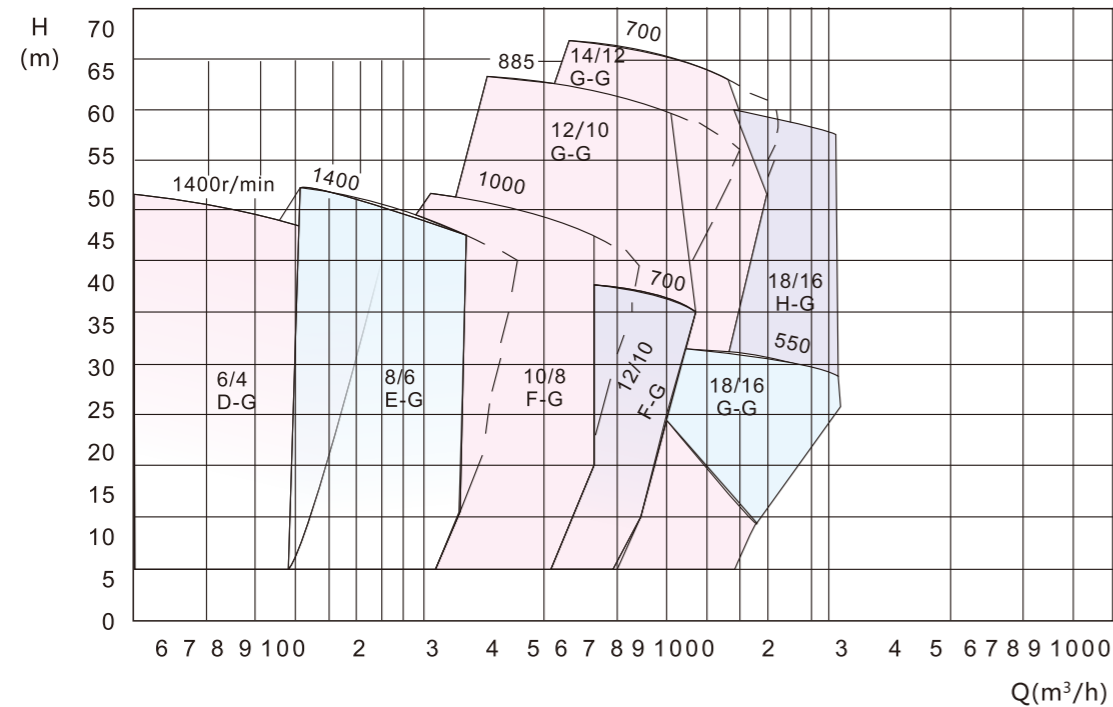
■ G/GH Gravel Pumps

■ 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.



■ Selection & Performance Chart



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

■ Slurry Pump Performance Chart

Pump model	Allowable Max. Power (kw)	Clear water performance						
		Capacity Q		Head H (m)	Speed n (r/min)	Max.EFF. (%)	NPSH (m)	Impeller Dia(mm)
		m³/h	L/S					
6/4D-G	60	36-250	10-70	5-52	600-1400	58	2.5-3.5	378
8/6E-G	120	126-576	35-160	6-45	800-1400	60	3-4.5	378
10/8S-G	560	216-936	60-260	8-52	500-1000	65	3-7.5	533
10/8F-G	260	216-936	60-260	8-52	500-1000	65	3-7.5	533
10/8S-GH	560	180-1440	50-400	24-80	500-950	77	2.5-5	711
12/10F-G	260	360-1440	100-400	10-60	400-850	65	1.5-4.5	667
12/10G-G	600	360-1440	100-400	10-60	400-850	65	1.5-4.5	667
12/10G-GH	600	288-2808	80-780	16-80	350-700	73	2.0-10.0	950
14/12G-G	600	576-3024	160-840	8-70	300-700	68	2.0-8.0	864
16/14G-G	600	720-3600	200-1000	18-44	300-500	70	3.0-9.0	1016
16/14TU-G	1200	324-3600	90-1000	26-40	300-500	72	3.0-6.0	1270
18/16G-G	600	420-4320	200-1200	12-48	250-500	72	3.0-6.0	1067
18/16TU-G	1200	720-4320	200-1200	12-48	250-500	72	3.0-6.0	1067

■ Application and Features

Type SP/SPR pumps are vertical, centrifugal slurry pumps which are submerged in sump to work. They are designed for delivering abrasive, large particle and high density slurries. These pumps do not need any shaft seal and sealing water. They can also be operated normally for insufficient suction duties. Wet parts of type SP pumps are made of abrasion-resistant metal. All parts of type SPR pump immersed in liquid are lined with rubber. They are suited to transport the slurry which contains non-edge and abrasive particle. The type with "L" is series of sump pump with extended shaft, which is suited for the working condition of deeper lever. The guide bearing construction is added to the pump on the basis of the standard pump, so the pump is with both more steady operation and wider application range, but flushing water should be attached to the guide bearing.

■ SP(R) Submerged Centrifugal Slurry Pump Construction Drawing

1. Shaft
2. Labyrinth gland
3. Bearing
4. Bearing guard
5. Bearing body
6. Bearing
7. Bracket
8. Strainer
9. Rear guard plate
10. Impeller
11. Pump body
12. Low strainer
13. Disgorge tube
14. Folio disgorge flange
15. End cap
16. Low end cap

