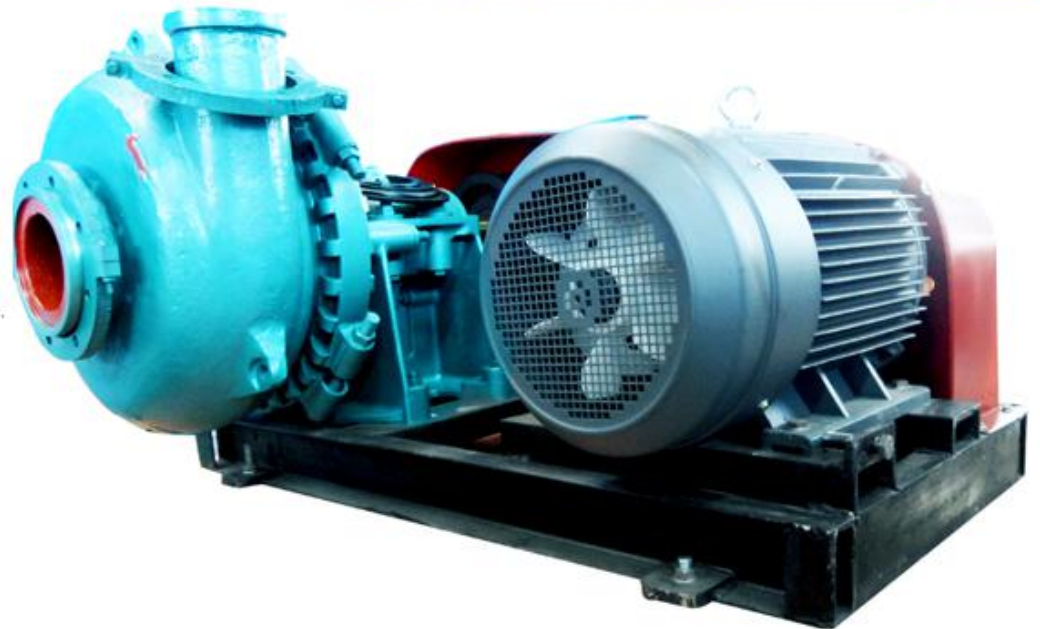


This type of gravel sand pump can be driven by Diesel engine or Electric Motor

Motor Belt Drive Sand Gravel Dredge Pump



Diesel Gearbox Drive Sand Gravel Dredge Pump



Application and Features

Type ZJS(H) Gravel Pumps are single stage, single casing, centrifugal horizontal pump. Sand&Gravel pumps are designed for continuously handling the most difficult higher 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 course of rivers, and other fields. Type

ZJSH PUMPS are high head ones.

They are suitable for delivering slurries in Mining, explosive-sludge in metal melting, dredging in dredger and course of rivers and other fields.

1. Construction of this pump is of single casing connected by means of clamp bands and wide wet passage.
2. The wet-parts are made of Ni-hard and high chromium abrasion-resistance alloys.
3. The discharge direction of pump can be oriented in any direction of 360°.
4. This type of pump possesses the advantages of easy installation and operation, good performance of NPSH and Abrasion-resistance

Typical Applications---

- Slag Granulation
- Suction Hopper Dredging
- Dredging
- Barge Loading
- Sand Reclamation
- Sugar Beet

NaiPu Main Gravel Sand Pump Model

NaiPu Model	Replace Pump Model
100 ZJS	6/4D-G
150ZJS	8/6E-G
200ZJS	10/8S-G
250ZJS	12/10G-G
300ZJS	14/12G-G
400ZJS	18/16T-G
150ZJSH	14/12G-G
200ZJSH	10/8S-GH
250ZJSH	12/10G-GH
350ZJSH	16/14TU-GH

Type Notation

100ZJS(H)

100--- Pump outlet Diameter(mm)

ZJS ---- Gravel Sand Pump

H ---- High Head Of Gravel Sand Pump

6/4D-G

6 ----- Pump Inlet Diameter(inch)

4----- Pump Outlet Diameter(inch)

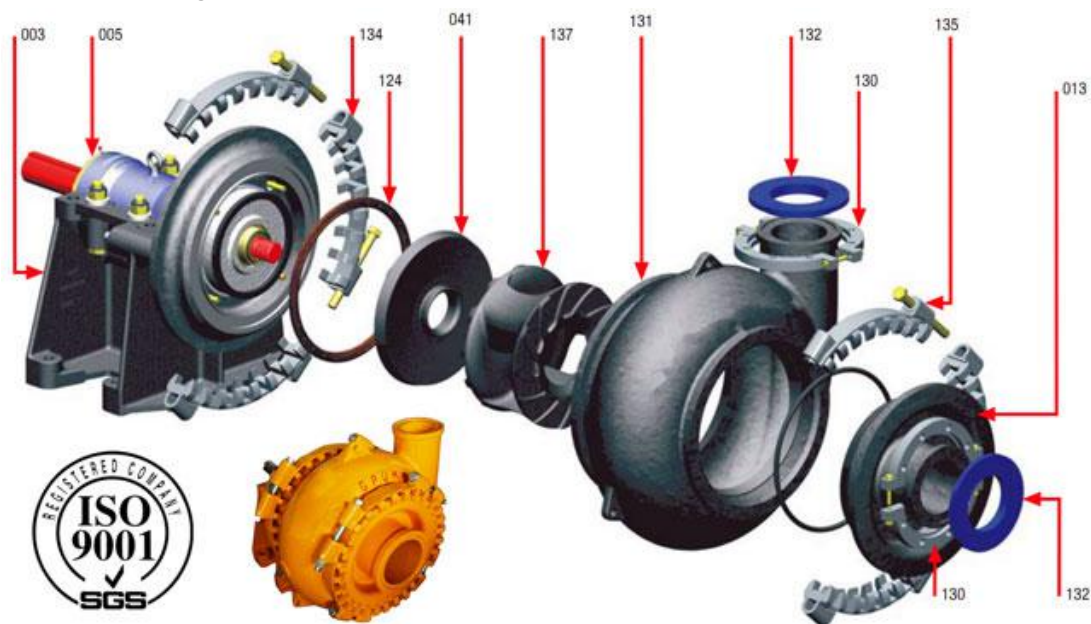
D ----- Base Type

G----- Gravel Sand Pump

Performance

Pump Model	Allowable Max. Power (kW)	Clear Water Performance						
		Capacity Q		Head H(m)	Speed n(r/min)	Max.Eff. η%	NPSH (m)	Impeller Dia.
		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-GH	560	216-936	60-260	8-52	500-1000	65	3-7.5	533
10/8S-G	560	180-1440	50-400	24-30	500-950	72	2.5-5	711
12/10G-G	600	360-1440	100-400	10-60	400-850	65	1.5-4.5	667
12/10G-GH	1200	288-2808	80-780	16-80	350-700	73	2.0-10.0	950
14/12G-G	1200	576-3024	160-840	8-70	300-700	68	2.0-8.0	864
16/14TU-GH	1200	324-3600	90-1000	26-70	300-500	72	3.0-6.0	1270
18/16T-G	1200	720-4320	200-1200	12-48	250-500	72	3.0-6.0	1067

Structure Drawing



Main Part Number At The Drawing

003: Base
005: Bearing Assembly
132: Intake Joint
Discharge Joint
130: Discharge Flange
Intake Flange
013: Cover Plate

131: Bowl
137: Impeller
041: Back Liner
135: Door Clamp Ring
134: Adapter Plate Clamp Ring
124: Volute Cover Seal

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Spare Parts for Gravel Sand Pump

Pump Model	Name	Part Code	Material
100WS (6/4D-G)	Impeller	High Chrome	DG4137

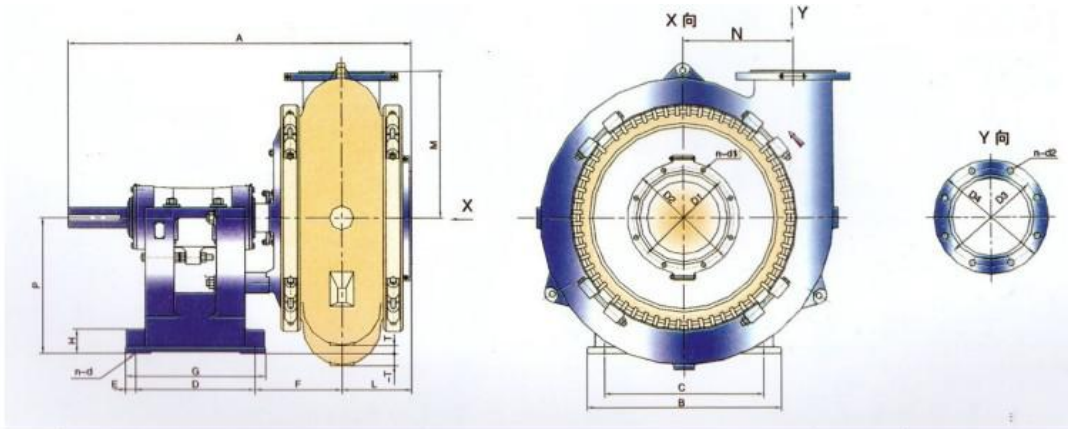
	Casing	High Chrome	DG4131
	Back Liner	High Chrome	DG4041
	shaft Sleeve	3Cr13	D075
	packing	D111	Q21
	Bearing	D009	
	Shaft Spacer	DAM117	Stainless steel
	Packing Gland	D044	HT200
	Latern Ring	D063	1Cr18Ni9Ti
	Neck Ring	D067	1Cr18Ni9Ti
	Stuffing Box	DAM078	HT200
	Gasket	E122	Rubber
	O Type Ring	D109	Rubber
	O Ring	EG6124	Rubber
	Discharge Joint	E4132	Rubber
	Intake Joint	F6132	Rubber
	Bearing Assembly	DAM005M	
150WS (8/6E-G)	Impeller	EG86137	High Chrome
	casing	EG6131	High Chrome
	Front Liner	EG86013	High Chrome
	Back Liner	E4041	High Chrome
	shaft Sleeve	E075	3Cr13
	packing	E111	Q21
	Bearing	E009	
	Shaft Spacer	E117	Stainless steel
	Packing Gland	E044	HT200
	Latern Ring	E063	1Cr18Ni9Ti
	Neck Ring	E067	1Cr18Ni9Ti
	Stuffing Box	E078	HT200
	Gasket	E122	Rubber
	O Type Ring	E109	Rubber
	O Ring	EG6124	Rubber
	Discharge Joint	F6132	Rubber
Intake Joint	F8132	Rubber	
Volute Liner Seal	E4124	Rubber	
Bearing Assembly	E005M		
200WS (10/8F-G)	Impeller	FG8137	High Chrome
	casing	FG8131	High Chrome
	Front Liner	FG108013	High Chrome
	Back Liner	FG8041	High Chrome

	shaft Sleeve	F075	CS1
	packing	F111	Q21
	Bearing	F009	
	Shaft Spacer	F117	4Cr13
	Packing Gland	F044	HT200
	Latern Ring	F063	1Cr18Ni9Ti
	Neck Ring	F067	1Cr18Ni9Ti
	Stuffing Box	F078	HT200
	Gasket	F122	Rubber
	O Type Ring	F109	Rubber
	Discharge Joint	F8132	Rubber
	Intake Joint	FG10132	Rubber
	Volute Liner Seal	F10124	Rubber
	Bearing Assembly	F005M	
250WS (12/10G-G)	Impeller	FG10137	High Chrome
	casing	FG10131	High Chrome
	Front Liner	GG10013	High Chrome
	Back Liner	GG10041	High Chrome
	shaft Sleeve	G075	CS1
	packing	G111	Q21
	Bearing	G009	
	Shaft Spacer	GG10117	4Cr13
	Packing Gland	G044	HT200
	Latern Ring	G063	1Cr18Ni9Ti
	Neck Ring	G067	1Cr18Ni9Ti
	Stuffing Box	G078	HT200
	Gasket	G122	Rubber
	O Type Ring	G109	Rubber
	Volute Ring	FG10124	Rubber
	Intake Joint	FG12060	
Discharge Joint	FG10132	Rubber	
Bearing Assembly	G005M		
300WS (14/12G-G)	Impeller	GG12137	High Chrome
	casing	GG12131	High Chrome
	Front Liner	GG1412013-1	High Chrome
	Back Liner	GG12041	High Chrome
	shaft Sleeve	G075	CS1
	packing	G111	Q21
	Bearing	G009	

Shaft Spacer	GG10117	4Cr13
Packing Gland	G044	HT200
Latern Ring	G063	1Cr18Ni9Ti
Neck Ring	G067	1Cr18Ni9Ti
Stuffing Box	G078	HT200
Gasket	G122	Rubber
O Type Ring	G109	Rubber
Volute Ring	G12125	Rubber
Intake Joint	F12060	Rubber
Discharge Joint	F12132	Rubber
Bearing Assembly	G005M	

Materials of Construction

	VOLUTE	IMPELLERS	BASE	EXPELLER	EXPELLER RING	SHAFT SLEEVE	SEALS
Standard	High Chrome Alloy	High Chrome Alloy	Cast Iron	Chrome Alloy or SG Iron	Chrome Alloy or SG Iron	SG Iron	Natural Rubber
Options	SG Iron	SG Iron	Mild Steel Fabricated	SG Iron	SG Iron	EN56C Ferralium Hasteloy C Ceramic Stellite Chrome Oxide	Nordel Neoprene Viton Butyl EPDM



Type	Dimension													Foothole	Suction flange			Discharge flange			Weight (kg)
	A	B	C	D	E	F	G	H	L	M	N	P	T		n-d	D1	D2	n-d1	D3	D4	
6X4D-NP-G	1006	492	432	213	213	330	289	54	203	343	260	330	16	4-Φ22	260	305	8-Φ19	210	254	4-Φ19	460
8X6E-NP-G	1286	622	546	257	257	392	365	75	295	405	352	457	54	4-Φ29	324	368	8-Φ19	210	254	4-Φ19	1120
10X8F-NP-G	1591	857	762	349	349	487	540	98	330	533	416	610	60	4-Φ35	406	457	8-Φ19	210	254	4-Φ19	2250
12X10F-NP-G	1702	883	762	584	584	411	705	98	368	667	522	610	-3	4-Φ35	470	527	8-Φ19	210	254	4-Φ19	3320
10X8S-NP-G	1720	920	760	640	640	378	780	90	330	533	416	450	-102	4-Φ35	406	457	8-Φ19	210	254	4-Φ19	2285
12X10G-NP-G	2010	1207	851	749	749	473	876	152	368	665	522	851	238	4-Φ41	470	527	8-Φ19	210	254	4-Φ19	4450
14X12G-NP-G	2096	1207	851	749	749	502	876	152	424	787	610	851	121	4-Φ41	495	552	8-Φ19	210	254	4-Φ19	5400
10X8S-NP-GH	1774	920	760	640	640	455	780	90	330	620	473	450	-206	4-Φ35	406	457	8-Φ19	210	254	4-Φ19	3188

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