6’’ High-efficient and Energy-saving

High-speed high-efficient energy-saving deep well pump is independently researched and developed by JINBA and domestic noted universities and military industrial enterprises.

1、Working Principle

High-energy rare earth permanent magnets as excitation mechanism；With permanent magnet brushless motor； Square wave principle； Electronic commutation replaces mechanical commutation； High density programmable logic device technology.

2、Performance Characteristics

•Performance characteristics

2.1 4’’ deep well pump’s rated flow can reach 80m3/h；

2.2 Single phase AC voltage 160-250V, Three phase AC voltage 320-450V；

2.3 High speed (6000 rpm)；

2.4 It can be switched between 50 and 60Hz, Power source can be solar, gasoline engine, diesel engine, household electricity；

2.5 Water shortage protection and auto restart after 10 minutes.

•Competitive Advantage

2.6 Size smaller, weight less, lower cost of drilling well and installation；

2.7 Jinba specially designed the impeller, to meet the conditions of high-speed run, achieving high lift, light load and high efficiency；

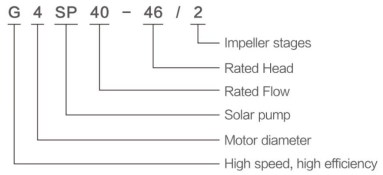
2.8 The outlet is equipped with stainless steel check valve,to effectively prevent the impact of water hamme；

2.9 The product has the functions of constant pressure and constant flow water supply, intelligent operation,remote reporting failure, etc;

2.10 Plug type cable joint, high insulation, high temperature resistance, to ensure the sealing, and easy to install.

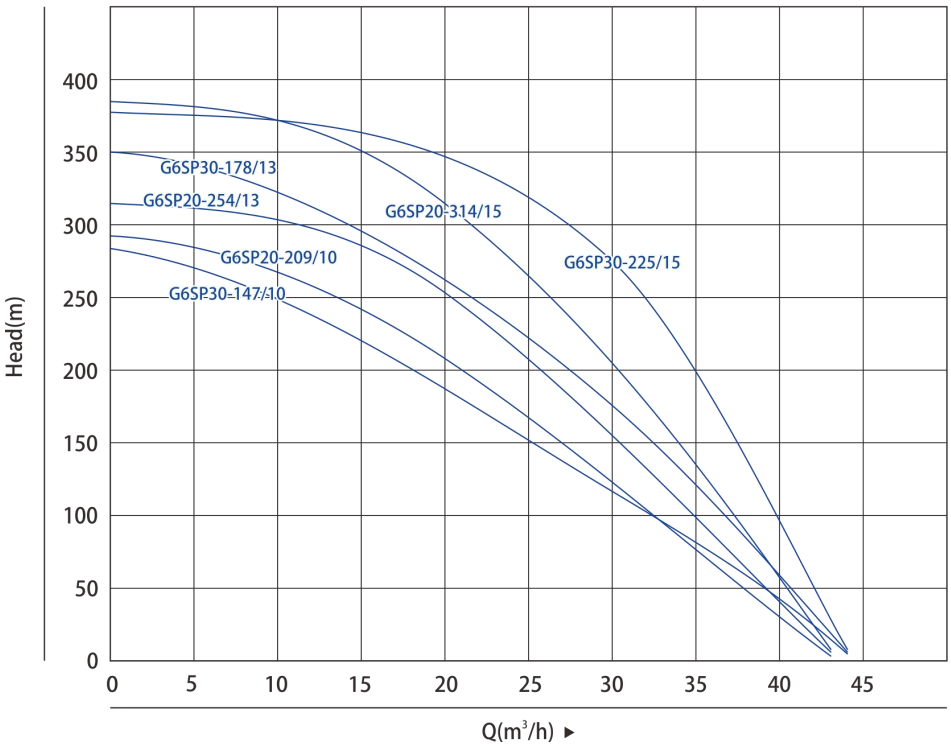
3、Parameter Center

•Model Analysis



COMPONENTS	MATERIAL
Motor external casing	AISI304
Bottom support	Cast-iron HT200
Bottom bearing chock	Cast-iron HT200
Top bearing chock	Cast-iron HT200
Rotator Shaft	45#+AISI304
Connector	AISI304
Outlet	AISI304
Pump external casing	AISI304
Strainer mesh	AISI304
Diffuser	AISI304
Impeller	AISI304
Cover plate	AISI304
Shaft	AISI304
Shaft coupling	AISI304

•G6" Series 20/30 Performance Curve

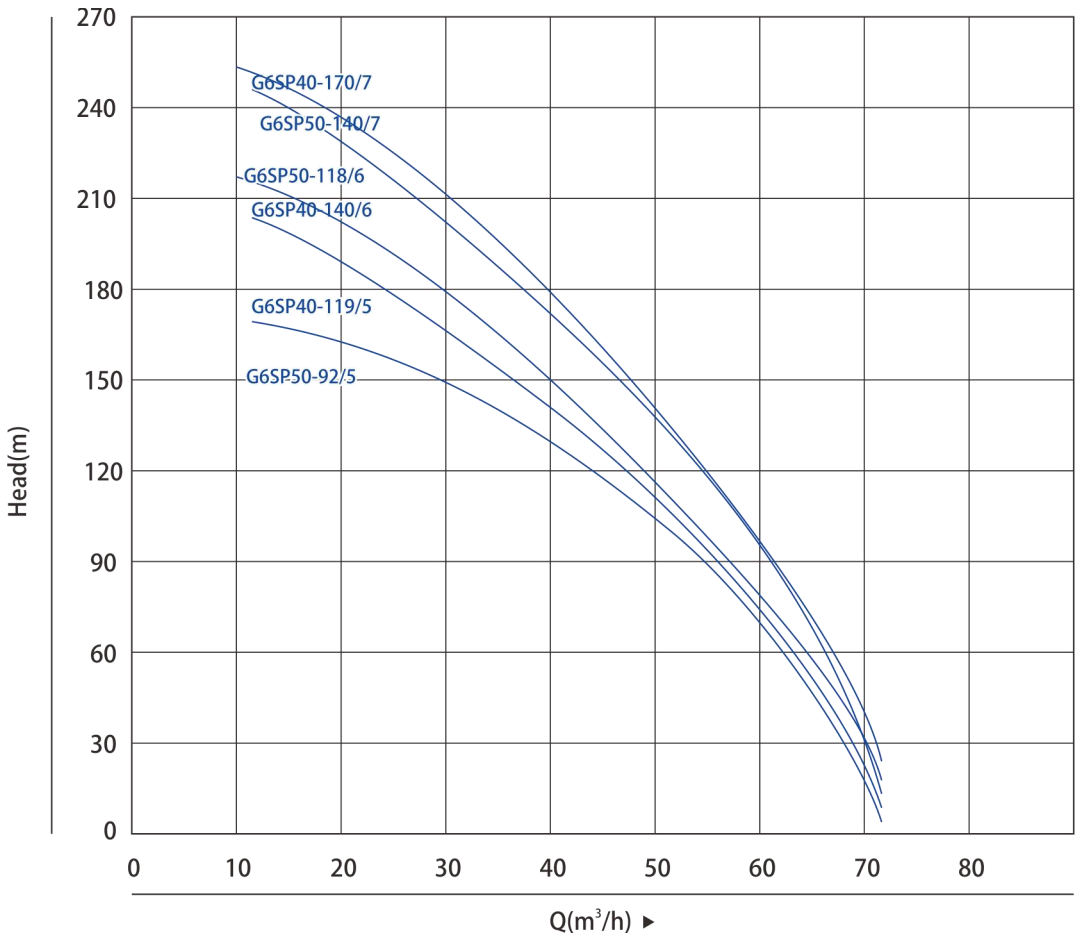


•G6" Series 20/30 TECHNICAL DATA

MODEL 3~ 320-450V	Stages	Power kW	Power hp	Outlet diameter inch	DELIVERY n≈5000 r/min Q m³/h / L/min	10 / 167	15 / 250	20 / 333	25 / 417	30 / 500	35 / 583	40 / 667	43 / 717
G6SP20-209/10	10	18.5	25	4"	Head (m)	292	252	209	176	151	113	79	4
G6SP20-254/13	13	22	30			314	298	254	217	178	148	111	6
G6SP20-314/15	15	26	35			385	364	314	267	222	177	125	8

MODEL 3~ 320-450V	Stages	Power kW	Power hp	Outlet diameter inch	DELIVERY n≈5000 r/min Q m³/h / L/min	12 / 200	16 / 267	18 / 300	22 / 367	27 / 450	30 / 500	32 / 533	38 / 633	44 / 733
G6SP30-147/10	10	18.5	25	4"	Head (m)	283	243	230	200	161	147	135	95	5
G6SP30-178/13	13	22	30			350	300	265	235	195	178	161	121	6
G6SP30-225/15	15	26	35			378	353	328	290	246	225	209	158	8

•G6" Series 40/50 Performance Curve

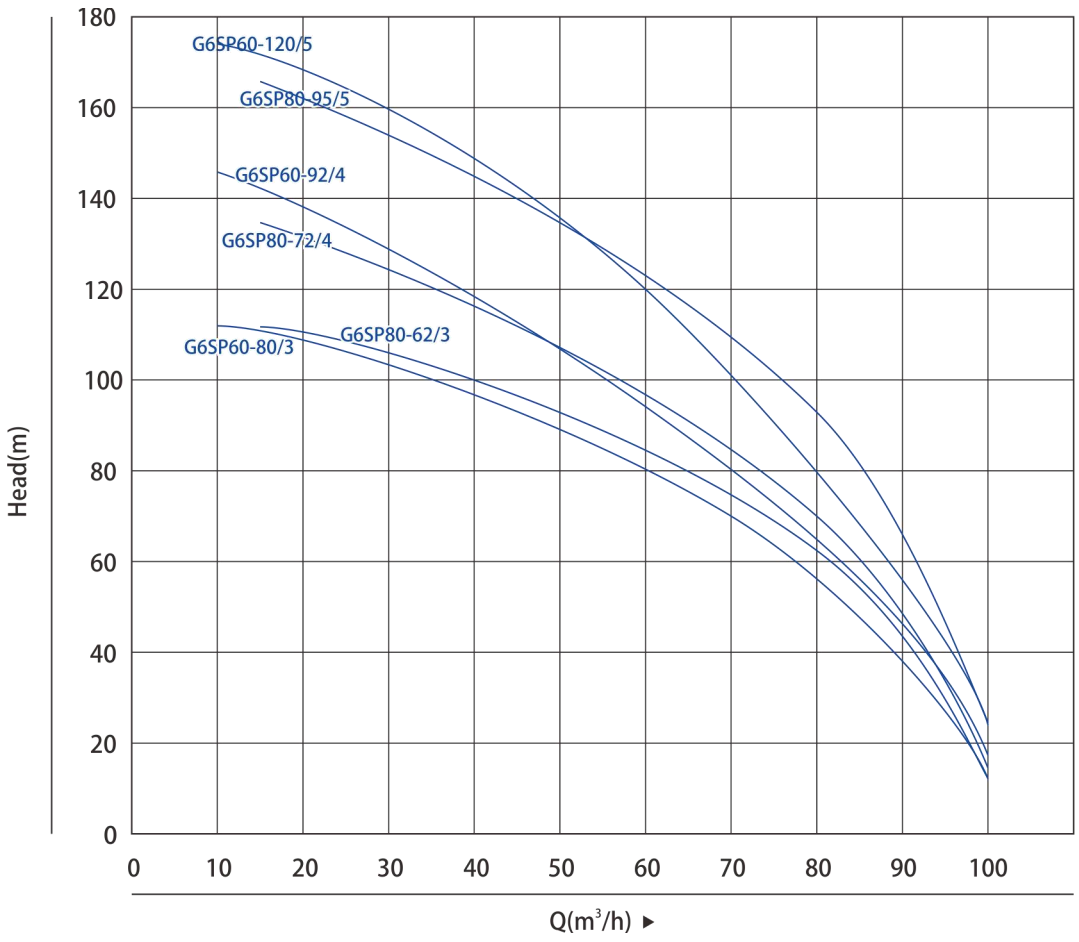


•G6″ Series 40/50 TECHNICAL DATA

MODEL 3~ 320-450V	Stages	Power kW	Power hp	Outlet diameter inch	DELIVERY n≈5000 r/min Q m³/h	12	15	25	35	40	45	55	65	72
					L/min	200	250	417	583	667	750	917	1083	1200
G6SP40-119/5	5	18.5	25	4″	Head (m)	168	165	153	131	119	105	80	50	4
G6SP40-140/6	6	22	30			207	202	180	150	140	123	100	72	8
G6SP40-170/7	7	26	35			248	243	218	185	170	157	126	95	10

MODEL 3~ 320-450V	Stages	Power kW	Power hp	Outlet diameter inch	DELIVERY n≈5000 r/min Q m³/h	10	20	30	40	50	60	70	72
					L/min	167	333	500	667	833	1000	1167	1200
G6SP50-92/5	5	18.5	25	4″	Head (m)	148	140	126	110	92	69	30	8
G6SP50-118/6	6	22	30			218	188	165	140	118	89	54	12
G6SP50-140/7	7	26	35			254	230	200	170	140	110	65	20

•G6″ Series 60/80 Performance Curve

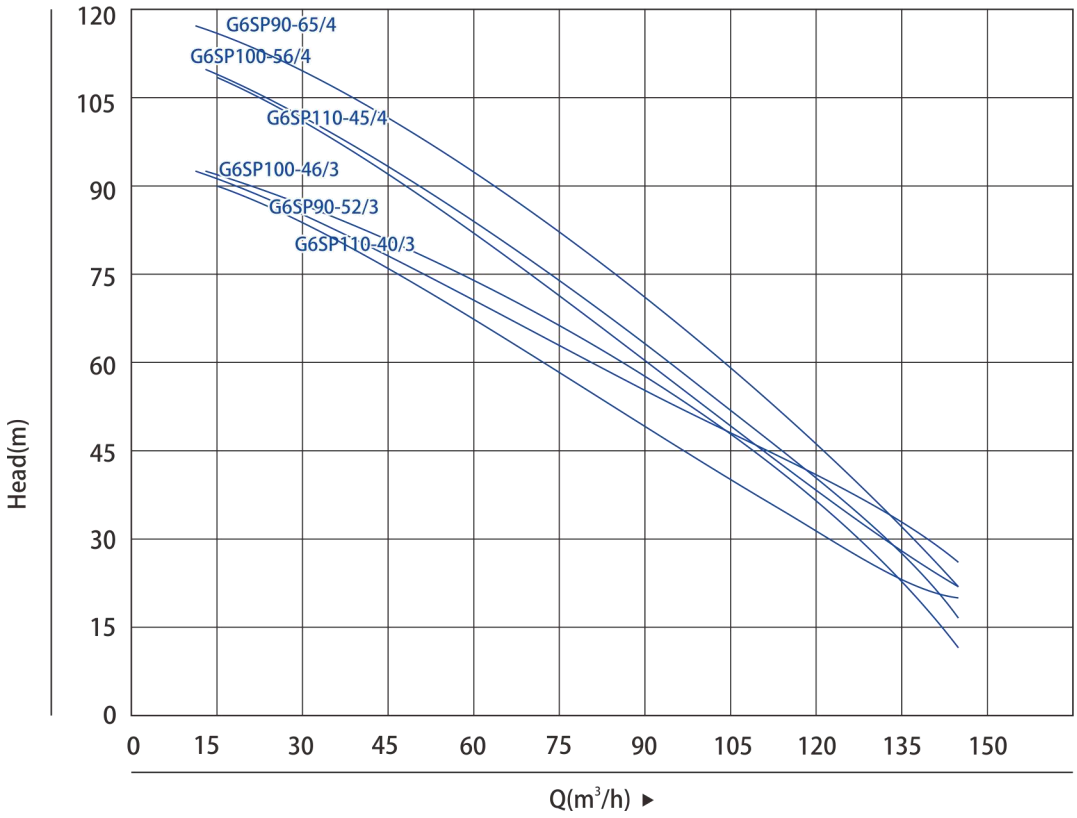


•G6″ Series 60/80 TECHNICAL DATA

MODEL	Stages	Power		Outlet diameter inch	DELIVERY n≈5000 r/min									
3~ 320-450V		kW	hp		Q m³/h	10	20	30	40	50	60	70	85	90	100
					L/min	167	333	500	667	833	1000	1167	1417	1500	1667
G6SP60-80/3	3	18.5	25	4″	Head (m)	112	110	103	93	87	80	68	58	55	13
G6SP60-92/4	4	22	30			145	131	125	110	105	92	81	66	60	18
G6SP60-120/5	5	26	35			175	162	153	142	129	120	106	86	82	24

MODEL	Stages	Power		Outlet diameter inch	DELIVERY n≈5000 r/min									
3~ 320-450V		kW	hp		Q m³/h	15	25	35	45	55	65	75	80	95	102
					L/min	250	417	583	750	917	1083	1250	1333	1583	1700
G6SP80-62/3	3	18.5	25	4″	Head (m)	112	106	98	88	82	73	64	62	47	13
G6SP80-72/4	4	22	30			135	126	118	103	97	86	77	72	54	16
G6SP80-95/5	5	26	35			167	156	145	140	125	108	100	95	67	24

•G6″ Series 90/100/110 Performance Curve



•G6″ Series 90/100/110 TECHNICAL DATA

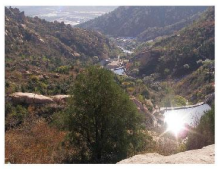
MODEL 3~ 320-450V	Stages	Power kW	Power hp	Outlet diameter inch	DELIVERY n≈5000 r/min Q m³/h	10	20	30	40	50	60	70	80	90	100	110	120	130
					Q L/min	167	333	500	667	833	1000	1167	1333	1500	1667	1833	2000	2167
G6SP90-52/3	3	18.5	25	5″	Head (m)	92	87	82	78	75	69	62	57	52	46	40	34	25
G6SP90-65/4	4	22	30			118	106	100	94	89	82	76	72	65	55	48	38	27

MODEL 3~ 320-450V	Stages	Power kW	Power hp	Outlet diameter inch	DELIVERY n≈5000 r/min Q m³/h	12	24	36	48	60	72	84	96	100	108	120	140
					Q L/min	200	400	600	800	1000	1200	1400	1600	1667	1800	2000	2333
G6SP100-46/3	3	18.5	25	5″	Head (m)	92	85	80	75	68	63	53	48	46	42	33	13
G6SP100-56/4	4	22	30			115	106	96	90	82	75	66	60	56	48	38	16

MODEL 3~ 320-450V	Stages	Power kW	Power hp	Outlet diameter inch	DELIVERY n≈5000 r/min Q m³/h	15	30	45	60	75	90	105	110	120	140
					Q L/min	250	500	750	1000	1250	1500	1750	1833	2000	2333
G6SP110-40/3	3	18.5	25	5″	Head (m)	90	83	78	69	60	53	43	40	34	20
G6SP110-45/4	4	22	30			111	99	92	82	70	62	50	45	39	25

•Application area

Animal Husbandry

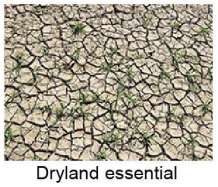


High pressure water delivery

Building Industry

Mining

Agriculture



Dryland essential machine

Increase pressure

Industrial salt essential

•Parts List