



## Stirred Submersible Sewage Pump (JYWQ 50Hz)

### TECHNICAL DESCRIPTION

- Sewage submersible electric pump consists of three parts: water pump, seal and motor.
- The water pump is located in the lower part, and the base is equipped with a stirring impeller, which can generate a strong stirring force during operation. The sediment in the pool is stirred into a suspended substance and then sucked into the impeller to discharge, so as to achieve the effect of dredging.
- The overall structure is compact, small in size, and noise. Small size, significant energy-saving effect, easy maintenance, no need to build a pump room, can work by diving into the water, greatly reducing the project cost.
- The cable is filled with epoxy glue, which can effectively prevent moisture from entering the motor or due to cable breakage Immersion in water causes water to enter the motor along the crack
- The electric pump is equipped with a thermal protector, which can automatically disconnect the power supply to protect the motor in the event of phase loss, overload, and motor overheating of the electric pump.
- The mechanical seal adopts reasonable hard and corrosion-resistant materials, which greatly improves the service life of the pump; 6. The "O" type oil-resistant rubber sealing ring is used for the static seal at each fixed stop.
- The lifting rings and screws in contact with water are all made of stainless steel 304, which is conducive to the maintenance and disassembly of the electric pump.



- The insulation grade of the motor is F, and the designed output power has sufficient margin, and the whole series of electric pumps can run at the full head.

## APPLICATIONS

Wastewater discharge in factories, shopping malls, hospitals, hotels  
 Residential area, parking lot, municipal sewage, rainwater drainage ·  
 Sewage discharge from sewage treatment plants and livestock farms  
 Pumping of mud and grey water in construction sites and mines  
 Clear water tank pumping for agriculture and aquaculture  
 Wastewater discharge from biogas digesters  
 Water supply and drainage in other occasions

## FEATURES AND USING LIMITS

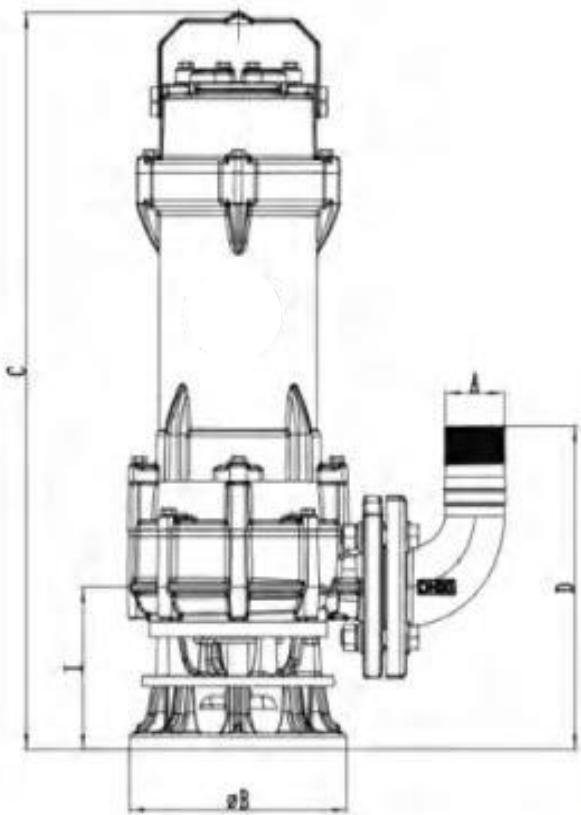
- Water temperature: 0-40°C
- PH value: 6~10
- Power 0.75- 7.5 kW, 50Hz & 3000RPM
- Medium density:  $\leq 1.3\text{g/cm}$
- Power supply: single-phase  $220\text{V}\pm 10\%$ , 50Hz & Three-phase  $380\text{V}\pm 10\%$ , 50HZ
- Thermal protector: built-in
- Maximum flow: 106 M3/h
- Maximum lift: 55.5m
- Cable length: 8 meters

## Model Description

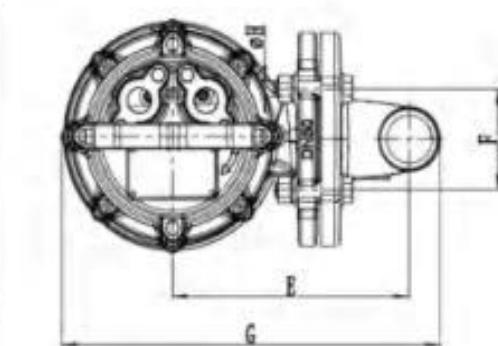


## DATA PARAMETER

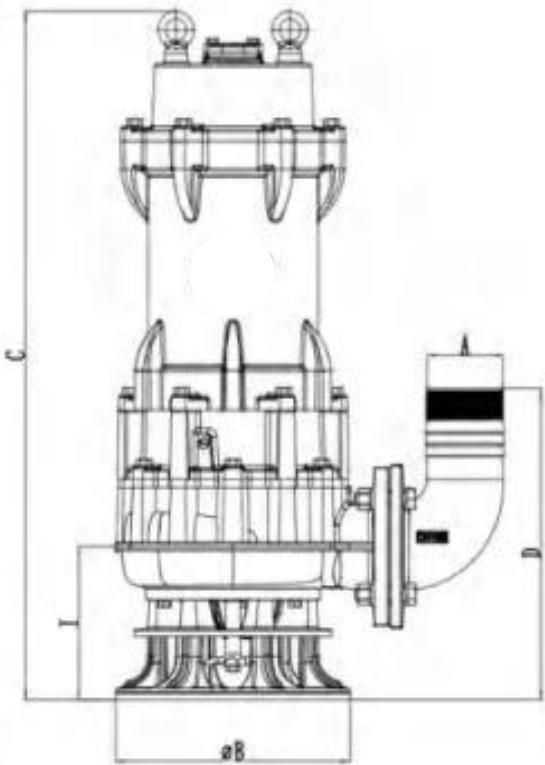
Model	Voltage	Current	Power	DN	Rated flow	Rated head	Max flow	Max head	Particle size	Net weigh	Gross weight	Dimension
	V	A	Kw	inch	m <sup>3</sup> /h	m	m <sup>3</sup> /h	m	mm	kg	kg	mm
50JYWQD6-16-1200-0.75A	220	4.6	0.75	G1 1/2	6	16	14.8	19.1	5	31	32	590*270*230
50JYWQ6-16-1200-0.75A	380	4.6	0.75	G1 1/2	6	16	21.1	17.8	15	29	31	590*270*230
50JYWQD10-11-1200-0.75A	220	1.8	0.75	G1 1/2	10	11	14.8	19.1	5	31	32	590*270*230
50JYWQ10-11-1200-0.75A	380	1.8	0.75	G1 1/2	10	11	21.1	17.8	15	29	31	590*270*230
50JYWQD8-16-1200-1.1A	220	6.4	1.1	G1 1/2	8	16	26.1	18.5	15	31	33	620*260*230
50JYWQ8-16-1200-1.1A	380	6.4	1.1	G1 1/2	8	16	30.8	14.3	15	30	32	620*260*230
50JYWQD15-10-1200-1.1A	220	9.4	1.1	G1 1/2	15	10	30.1	22.1	20	31	33	620*260*230
50JYWQ15-10-1200-1.1A	380	9.4	1.1	G1 1/2	15	10	27.9	19.1	20	30	32	620*260*230
50JYWQD8-20-1200-1.5A	220	9.4	1.5	G1 1/2	8	20	35.1	19.1	25	32	33	620*260*230
50JYWQ8-20-1200-1.5A	380	2.5	1.1	G1 1/2	8	20	26.1	18.5	15	31	33	620*260*230
50JYWQD15-15-1200-1.5A	220	2.5	1.1	G1 1/2	15	15	30.8	14.3	15	33	35	620*260*230
50JYWQ15-15-1200-1.5A	380	3.3	1.5	G1 1/2	15	15	30.1	22.1	20	32	33	620*260*230
65JYWQD25-10-1200-1.5A	220	3.3	1.5	G2	25	10	27.9	19.1	20	35	37	620*260*230
65JYWQ25-10-1200-1.5A	380	3.3	1.5	G2	25	10	35.1	19.1	25	34	35	620*260*230
50JYWQ9-22-1400-2.2A	220	4.7	2.2	G1 1/2	9	22	30.2	22.1	20	44	55	670*360*270
50JYWQ15-20-1400-2.2A	380	4.7	2.2	G1 1/2	15	20	30.2	22.1	20	44	55	670*360*270
65JYWQ25-17-1400-2.2A	380	4.7	2.2	G2	25	17	43.8	24.6	25	47	54	670*360*270
80JYWQ45-9-1400-2.2A	380	4.7	2.2	G2 1/2	45	9	66.2	17.5	30	51	58	670*380*280
50JYWQ15-30-1400-3A	380	6.1	3	G1 1/2	15	30	38.5	31.6	20	49	60	710*360*270
65JYWQ25-22-1400-3A	380	6.1	3	G2	25	22	47.3	28.4	25	51	63	710*360*270
80JYWQ43-13-1400-3A	380	6.1	3	G2 1/2	43	13	74.7	22.7	30	56	63	730*380*300
100JYWQ50-10-1400-3A	380	6.1	3	G3 1/2	50	10	79.9	22.4	30	56	67	730*380*300
50JYWQ15-35-1600-4A	380	7.8	4	G1 1/2	15	35	45.8	239.3	20	69	79	790*330*310
65JYWQ25-26-1600-4A	380	7.8	4	G2	25	26	36.3	36.8	25	68	79	790*330*310
80JYWQ40-18-1600-4A	380	7.8	4	G2 1/2	40	18	77.2	27.2	30	68	79	800*380*360
100JYWQ60-13-1600-4A	380	7.8	4	G3 1/2	60	13	78.2	21.6	30	78	90	830*380*360
50JYWQ20-32-1600-5.5A	380	10.7	5.5	G1 1/2	20	32	47.3	43.6	20	74	80	810*350*310
65JYWQ30-25-1600-5.5A	380	10.7	5.5	G2	30	25	36.8	39.5	25	73	83	810*350*310
80JYWQ50-18-1600-5.5A	380	10.7	5.5	G2 1/2	50	18	82.5	34.1	25	76	86	830*350*310
100JYWQ65-15-1600-5.5A	380	10.7	5.5	G3 1/2	65	15	89.2	15.8	35	83	95	850*440*380
150JYWQ100-7-1600-5.5A	380	10.7	5.5	/	100	7	149.2	13.5	35	95	111	850*440*380
50JYWQ20-40-1800-7.5A	380	14.2	7.5	G1 1/2	20	40	37.5	55.5	20	134	146	895*440*370
65JYWQ30-36-1800-7.5A	380	14.2	7.5	G2	30	36	82.1	39.8	25	134	148	895*440*370
80JYWQ40-30-1800-7.5A	380	14.2	7.5	G2 1/2	40	30	89.2	39.1	30	136	150	895*460*370
100JYWQ80-20-1800-7.5A	380	14.2	7.5	G3 1/2	80	20	92.8	30.2	30	141	154	895*460*370
150JYWQ100-15-1800-7.5A	380	14.2	7.5	/	100	15	106.3	23.5	30	152	166	925*520*370



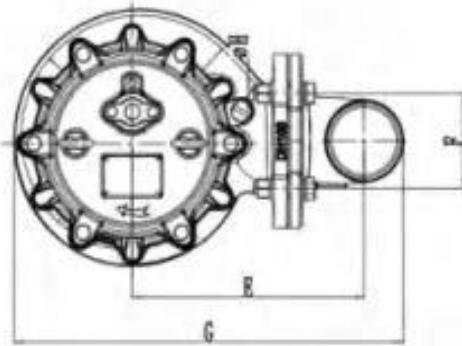
Installation dimension drawing 1  
(corresponding to Table 1)



(figure 1)



Installation dimension drawing 2  
(corresponding to Table 2)



(figure 2)

**INSTALLATION SIZE DATA PARAMETERS****Table 1**

Model	A inch	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm
50JYWQ06-16-1200-0.75A	G1 1/2	176	538	250	186	71	299	12	127
50JYWQ6-16-1200-0.75A	G1 1/2	176	538	250	186	71	299	12	127
50JYWQ010-11-1200-0.75A	G1 1/2	176	538	250	208	76.5	321	12	127
50JYWQ010-11-1200-0.75A	G1 1/2	176	538	250	208	76.5	321	12	127
50JYWQ08-16-1200-1.1A	G1 1/2	176	568	250	193	76.5	306	12	165
50JYWQ08-16-1200-1.1A	G1 1/2	176	568	250	193	76.5	306	12	165
50JYWQ015-10-1200-1.1A	G1 1/2	176	568	250	193	76.5	306	12	165
50JYWQ08-20-1200-1.5A	G1 1/2	176	568	250	193	76.5	306	12	165
50JYWQ08-20-1200-1.5A	G1 1/2	176	568	250	193	76.5	306	12	165
50JYWQ015-15-1200-1.5A	G1 1/2	176	568	250	205	92	326	12	165
50JYWQ15-15-1200-1.5A	G1 1/2	176	568	250	205	92	326	12	165
65JYWQ25-10-1200-1.5A	G2	176	568	282	205	92	326	12	165
65JYWQ25-10-1200-1.5A	G2	176	568	282	205	92	326	12	165

**INSTALLATION SIZE DATA PARAMETERS****Table 2**

Model	A inch	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm
50JYWQ9-22-1400-2.2A	G1 1/2	220	630	268	240	78	375	12	130
50JYWQ15-20-1400-2.2A	G1 1/2	220	630	268	240	78	375	12	130
50JYWQ15-30-1400-3A	G1 1/2	220	665	268	240	78	375	12	130
50JYWQ15-35-1600-4A	G1 1/2	260	717	291.5	257	78	411	12	168
50JYWQ20-32-1600-5.5A	G1 1/2	260	782	291.5	257	78	411	12	168
50JYWQ20-40-1800-7.5A	G1 1/2	310	844	305	270.2	78	450	12	176
65JYWQ25-17-1400-2.2A	G2	220	632	303	225	92	362	12	147
65JYWQ25-22-1400-3A	G2	220	667	303	225	92	362	12	147
65JYWQ25-26-1600-4A	G2	260	736	320	257	92	419	12	162
65JYWQ30-25-1600-5.5A	G2	260	776	320	257	92	419	12	162
65JYWQ30-36-1800-7.5A	G2	310	845	351	265	121	423	16	175
80JYWQ45-9-1400-2.2A	G2 1/2	220	653	330	250	106	394	16	153
80JYWQ43-13-1400-3A	G2 1/2	220	688	330	250	106	394	16	153
80JYWQ40-18-1600-4A	G2 1/2	260	737	336	269.5	106	437.5	16	160
80JYWQ50-18-1600-5.5A	G2 1/2	260	775	336	269.5	106	437.5	16	160
80JYWQ40-30-1800-7.5A	G2 1/2	310	845	351	265	121	423	16	175
100JYWQ60-9-1400-3A	G3 1/2	220	688	353	293.5	121	498.5	16	160
100JYWQ60-13-1600-4A	G3 1/2	260	769	358	299.5	121	502	16	183
100JYWQ65-15-1600-5.5A	G3 1/2	260	809	356	299.5	121	502	16	183
100JYWQ80-20-1800-7.5A	G3 1/2	260	809	358	299.5	121	502	16	183
150JYWQ100-7-1600-5.5A	/	260	815	425	340	208	265	16	185
150JYWQ100-15-1800-7.5A	/	310	875	432	363	208	591	16	197