
	<b>Product Information</b> <b>80WQ50-22-5.5/QG(I)</b>	Manufacturer	CNP
		Address	Yuhang District, Hangzhou, Zhejiang,
		Contact	86-571-88637351
		Date	2022/03/09
Project Name		Client Name	DPA
Item NO		Client Addr.	
		Contacts	Alireza
		Contact	

Part NO.	80WQ50-22-5.5/QG(I)
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Product Picture	Note
	<p>The sewage submersible pump is composed of two parts: the motor and the pump.</p> <p>The two are separated by an oil chamber and a mechanical seal assembly.</p> <p>Divided into fixed automatic coupling installation and mobile installation</p>

### technology

Pump rotator speed	2940
Nameplate standards	CE

### Material

Impeller	HT200
Pump shaft	20cr13
Rubber code	P
Pump case	HT200

### Installation

Connection Code	F
Maximum Pressure/Temperature	6bar/40
Flange Standard	DIN
Pressure Class	PN6

### Medium

Medium Temperature	40
Maximum diameter of partic	23
Maximum Environment Temper	40

### Structure dimension

Standard caliber	DN
Outlet Diameter	DN80

### Motor


Number of Motor Phase	Three Phase
Protection Class	IP68
Insulation Class	F
Motor Power	5.5
Power Frequency	50HZ
Rated Voltage (V)	380V
Rated Current (A)	10.8
Starting mode	direct boot

### Seal

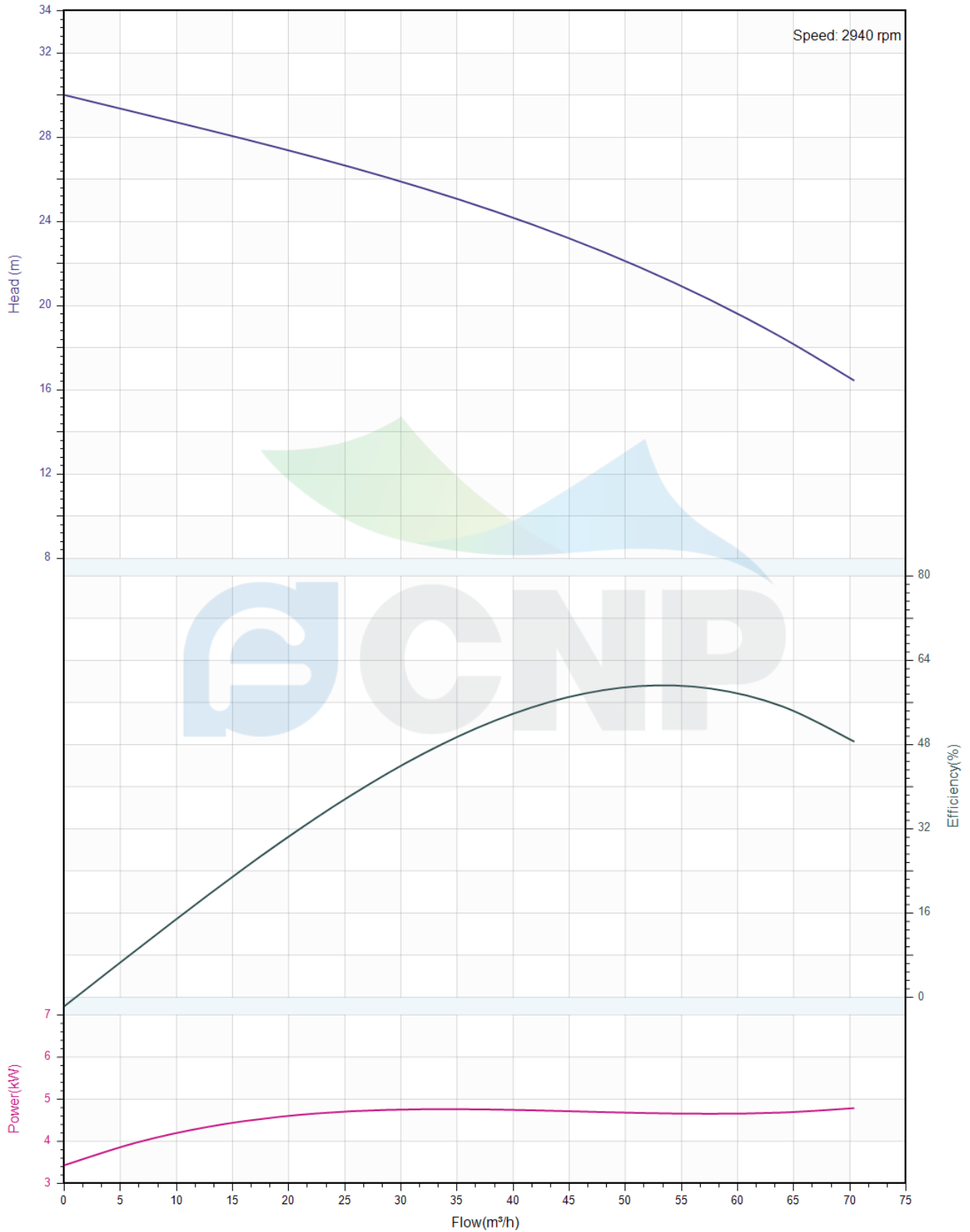
Mechanical Seal	H-30
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### Others

Weight (kg)	99
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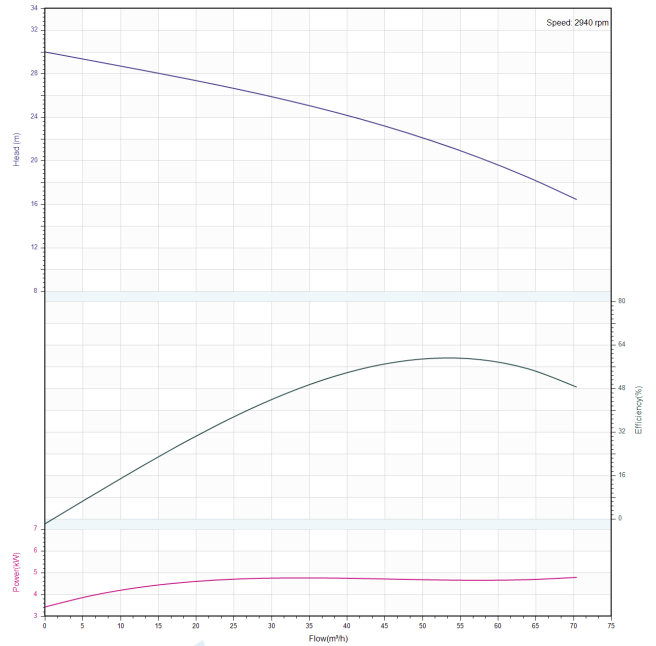
	<b>Performance Curve</b> <b>80WQ50-22-5.5/QG(I)</b>	Manufacturer	CNP
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The hydraulic performance curve have been tested with Clean Water at 20°C, density 1000kg/m³, and at 1bar atmospheric pressure. ISO99062012 Grade 3B



	<b>Pump Technical Parameters</b> <b>80WQ50-22-5.5/QG(I)</b>	Manufacturer	CNP
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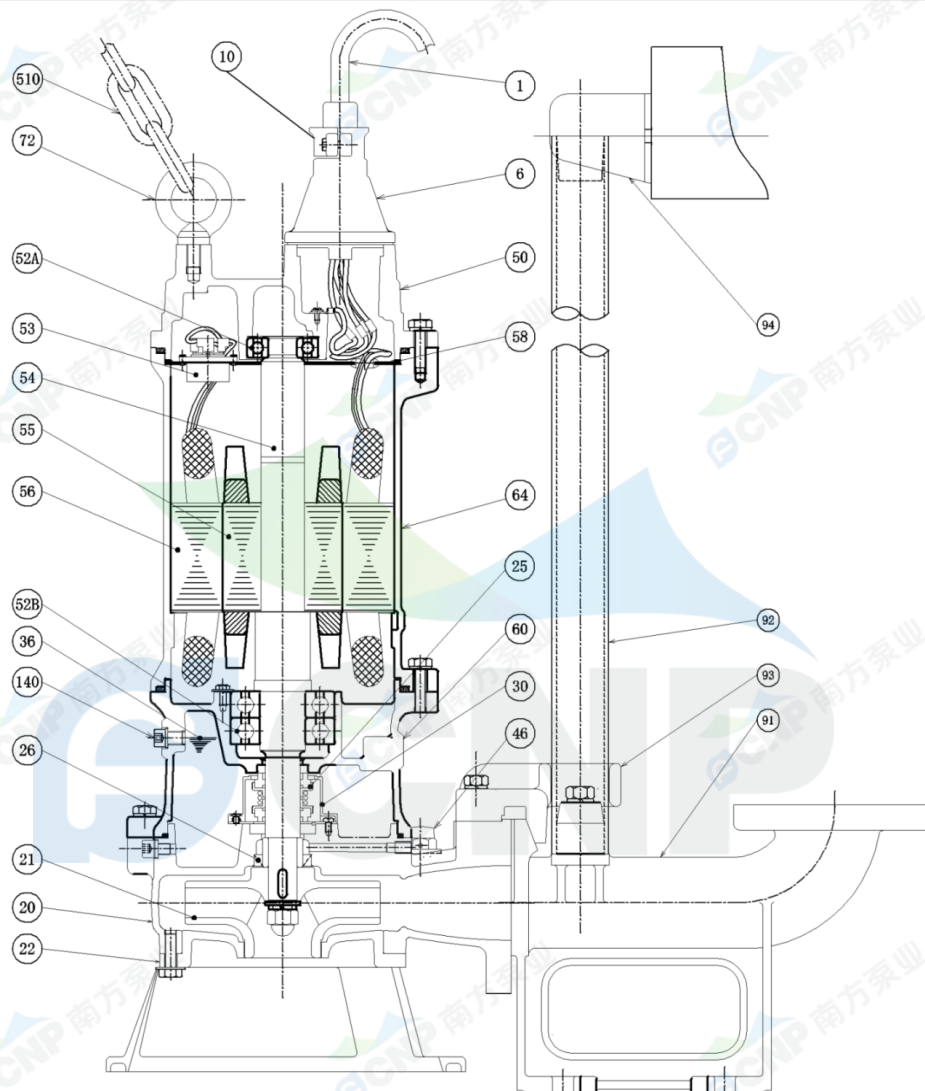
Rated parameters	
Pump model	80WQ50-22-5.5/QG(I)
Part NO.	80WQ50-22-5.5/QG(I)
Rated flow (m³/h)	50
Rated head (m)	22
Rated efficiency (%)	59.2
Power (kW)	4.642
Speed (rpm)	2940
Medium	
Pumped medium	Clean Water
Working temperature (°C)	20
Medium density (kg/m³)	1000
Viscosity (mm²/s)	1



	<b>Structure picture</b> <b>80WQ50-22-5.5/QG(I)</b>	Manufacturer	CNP
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		Contact	

## CNP Nanfang Zhongjin Environment Co., Ltd.

SECTIONAL DRAWING		No.	No.
TYPE	submersible sewage pump	MODEL	WQ-5.5/7.5kW




order specifications			
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No.	names of parts	number	material	No.	names of parts	number	material
1	cable	1	YZW	20	casing	1	HT200
6	cable sleeve	1	HT200	21	impeller	1	HT200
50	top cover	1	HT200	26	framework oil seal	1	NBRI-2
58	cable transit board	1	Q235	140	oil filler plug	2	SUS304
64	base	1	HT200	36	machine oil 32#		
25	mechanical seal	1	Carbon/SIC	52B	lower bearing	2	
60	lower cover	1	HT200	56	stator	1	
30	oil lift	1		55	rotor	1	
46	Air release bolt	1		54	shaft	1	
94	guiding	1	HT200	53	thermal protector	1	
92	pipe	1	SUS304(unaffiliated)	52A	upper bearing	1	
93	guide hook	1	HT200	72	eye bolt	2	45#(forging galvanized)
91	water outlet base	1	HT200	510	lift chain	1	SUS304
22	water inlet cover	1	HT200	10	Cable lockblock	2	HT200

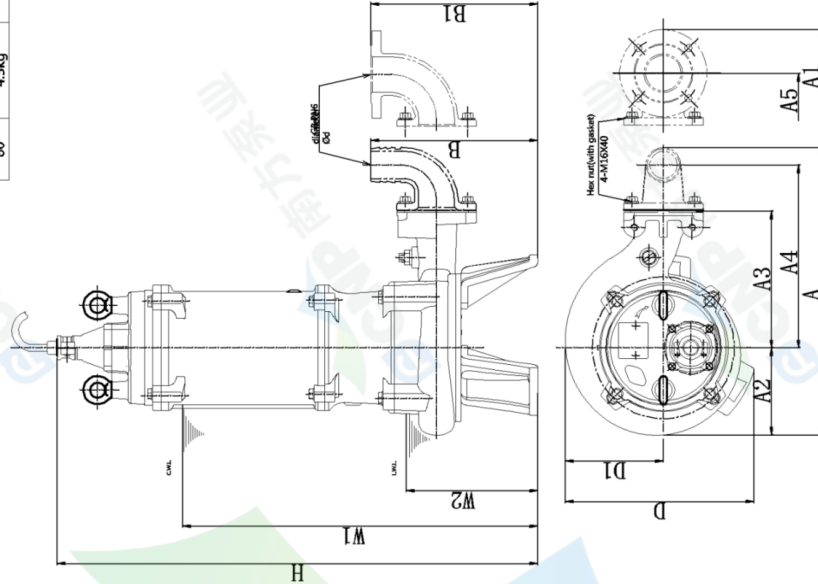
Nanfang Zhongjin Environment CO.,LTD.

unit : mm

	<b>Installation picture</b> <b>80WQ50-22-5.5/QG(I)</b>	Manufacturer	CNP
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		Contact	

# **CNP Nanfang Zhongjin Environment Co., Ltd.**

DIMENSION DRAWING				No.		No.									
TYPE		submersible sewage pump				MODEL		80WQ50-22-5.5/QG							
MODEL	d	A	A1	A2	A3	A4	A5	B	B1	D	D1	W1	W2	H	Body weight
WQ50-22-5.5/QG	80	546	605	160	250	344.5	352	340	320	349	179	605	235	881	99kg
diameter elbow weight bend weight															
80												4.5kg		7.5kg	

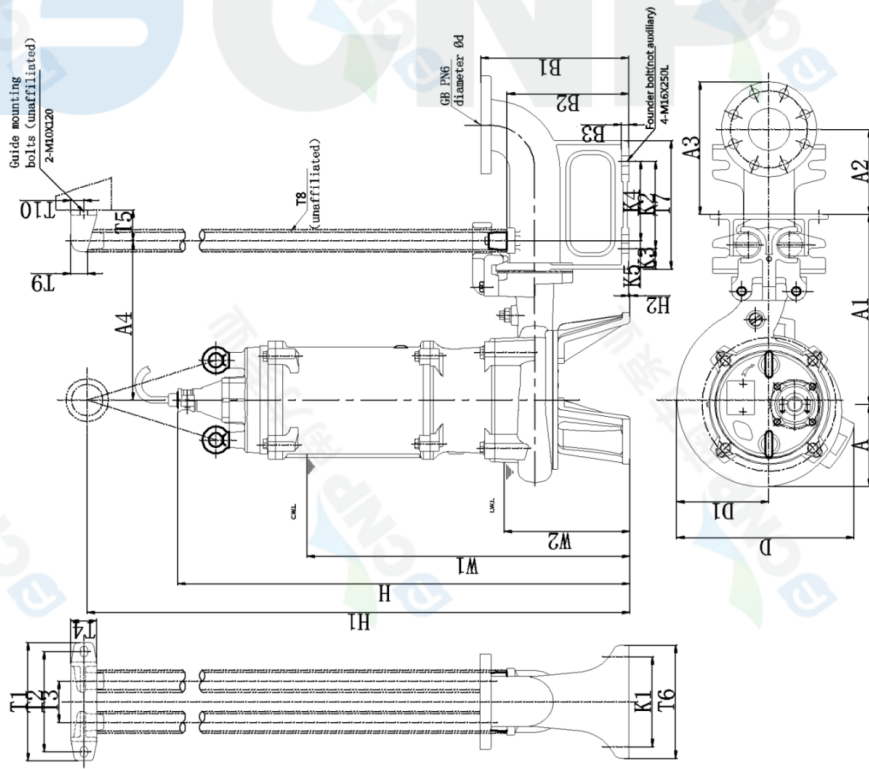


C.W.L.: minimum water level under continuous operation  
L.W.L.: minimum water level under possible operation

Nanfang Zhongjin Environment CO.,LTD. unit : mm

# **CNP Nanfang Zhongjin Environment Co., Ltd.**

DIMENSION DRAWING															No.	No.					
TYPE		submersible sewage pump							MODEL								80WQ50-22-5.5/QG				
MODEL	A	A1	A2	A3	A4	D	D1	W1	W2	H	H1	H2	Body weight								
WQ50-22-5.5/QG	160	370	165	260	310	349	179	605	235	940	1340	2	99kg								
Outlet diameter	d	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	K1	K2	K3	K4	B1	B2	B3	Coupling weight		
80WQ50-22-5.5/QG	80	230	195	80	50	60	220	250	170	170	170	40	135	15	288	37	15	33kg			



C.W.L.: minimum water level under continuous operation  
L.W.L.: minimum water level under possible operation

Nanfang Zhongjin Environment CO.,LTD. unit : mm