



QXN Built-in Submersible Electric Pump



Unique design: Each built-in pump has a wear-resistant mouth ring design

Feature

- Stainless steel nameplate, dual mechanical seal
- Full head design for the entire series, SS304 bottom cover
- SS304 screws
- SS304 lifting rings
- 2.2kw-9.2kw with built-in overload protector
- Durable and long-lasting C&U bearings

Product Overview

The electric pump is composed of a pump body, a seal, an electric motor, and a cooling water jacket. The electric motor is located in the upper part of the electric pump, which is a three-phase asynchronous motor structure. The pump body is located in the lower part of the electric pump, which is a multi-stage centrifugal impeller radial guide vane structure with high head and small size. Two independent mechanical seals are used between the pump body and the motor. O-shaped oil resistant rubber sealing rings are used as static seals at each fixed stop seal. The outer shell of the electric motor has a steel cooling water jacket. When the electric pump is working, the water flow passes through the gap between the water jacket and the electric motor, which has a good cooling effect on the motor and bearing oil. Therefore, the upper part of the low sodium pump can work above the water surface. The electric pump shaft is treated with hard chromium, which is not easy to wear and corrode, and is easy to repair and disassemble the impeller.

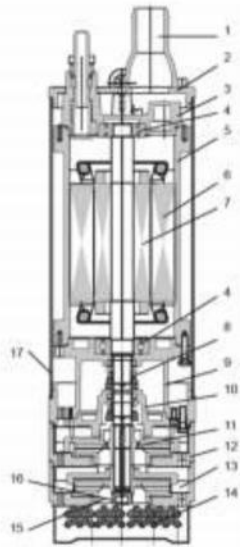
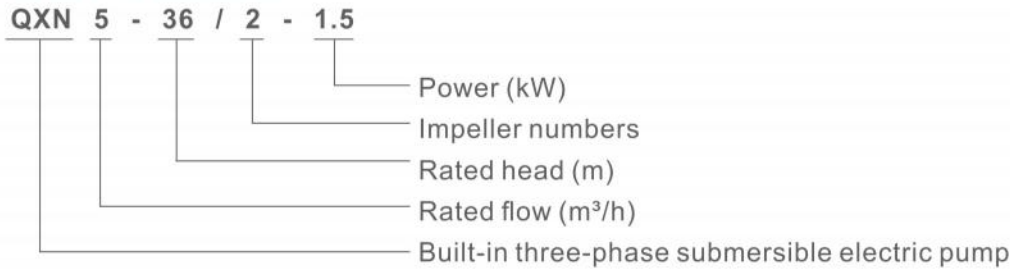
The QXN type electric pump motor with a power output of 9.2KW or below is equipped with a protection device, which can cut off the power supply to protect the motor in case of abnormal conditions such as high temperature, overload, and lack of equality inside the machine.

This series of electric pumps has a compact structure, convenient movement, easy installation, high lift, and thorough pumping. It is widely used in mining, construction, farmland and other places, and is an ideal device for pumping well water, domestic wastewater, clear water from rivers and ponds containing small amounts of solid particles such as sediment. However, it is not suitable for applications with explosion-proof requirements.

Operating Condition

- The electric pump can operate continuously and normally under the following operating conditions:
1. Medium temperature not exceeding 40°C
 2. The pH value of the medium is between 6.5 and 8.5
 3. The volume of solid impurities in the medium shall not exceed 0.5%, and the particle size shall be limited to passing through the filter screen
 4. The power supply is three-phase voltage 380V, frequency 50Hz, and the voltage fluctuation range is 0.9-1.1 times the rated value

Model Definition



No.	Name	Material	No.	Name	Material
1	Hose coupling	Cast iron	10	Cover	Cast iron
2	Upper cover	Cast iron	11	Impeller	Cast iron
3	Bearing housing	Cast iron	12	Pump body	Cast iron
4	Bearing	Ball bearing	13	Diffuser	Cast iron
5	Motor body	Cast iron	14	Filter	Steel
6	Stator		15	Bearing house	Cast iron
7	Rotor	Shaft: AISI420	16	Bearing	Hard metal
8	Mechanical seal	Silicon carbide	17	Pump case	Iron
9	Bearing housing	Cast iron			

Performance Table

Model	Voltage(V)	DN(mm/inch)	G.W(kg)	Packing dimension(cm)
QXN10-18-1.5	380	32/1.2	48	58×24×26
QXN5-36/2-1.5D	220	32/1.2	50	60×22×26
QXN5-52/3-2.2D	220	32/1.2	62	70×22×26
QXN5-36/2-1.5	380	32/1.2	45	60×22×26
QXN5-52/3-2.2	380	32/1.2	60	70×22×26
QXN5-72/4-3	380	32/1.2	70	79×22×26
QXN25-18-2.2	380	65/2.5	55	70×24×26
QXN10-40/2-2.2	380	50/2	57	72×24×26
QXN25-26/2-3	380	65/2.5	64	75×24×26
QXN20-32/2-3	380	50/2	68	75×24×26
QXN10-50/3-3	380	50/2	69	78×24×26
QXN5-90/5-4	380	32/1	74	87×22×26
QXN10-70/4-4	380	50/2	80	85×24×26
QXN12.5-55/3-4	380	50/2	77	80×24×26
QXN20-40/2-4	380	50/2	72	78×24×26
QXN25-35/2-4	380	65/2.5	71	78×24×26
QXN10-90/5-5.5	380	50/2	95	92×24×26
QXN12.5-80/4-5.5	380	50/2	89	89×24×26
QXN20-60/3-5.5	380	50/2	84	89×24×26
QXN25-50/3-5.5	380	65/2.5	84	89×24×26
QXN12.5-100/5-7.5	380	50/2	107	105×24×26
QXN12.5-120/5-9.2	380	50/2	115	110×24×26
QXN20-80/4-7.5	380	50/2	105	102×24×26
QXN25-60/4-7.5	380	65/2.5	103	102×24×26
QXN20-100/5-9.2	380	50/2	119	110×24×26
QXN25-75/5-9.2	380	65/2.5	117	110×24×26
QXN40-42/2-7.5	380	80/3	112	95×28×30
QXN40-63/3-11	380	80/3	134	102×26×28
QXN40-80/4-15	380	80/3	158	118×26×29
QXN40-100/5-18.5(175)	380	80/3	205	126×26×29
QXN40-100/5-18.5(210)	380	80/3	265	126×26×29
QXN40-115/4-25(210)	380	80/3	290	145×32×34
QXN80-30-11	380	100/4	152	109×32×32
QXN100-25-11	380	100/4	152	109×32×32
QXN100-33-15	380	100/4	180	110×34×34
QXN12.5-140/6-11	380	50/2	152	118×26×29
QXN12.5-160/7-13	380	50/2	175	126×26×29
QXN12.5-180/8-15	380	50/2	175	128×26×29
QXN12.5-210/9-18.5	380	50/2	220	138×26×29
QXN20-99/3-11	380	65/2.5	199	115×30×34

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QXN20-130/4-15	380	65/2.5	229	120×30×33
QXN20-150/5-18.5	380	65/2.5	252	130×30×34
QXN20-180/6-22	380	65/2.5	282	140×30×34
QXN20-210/7-30	380	65/2.5	325	160×32×34
QXN60-50/2-15	380	100/4	204	115×32×34
QXN60-60/2-18.5	380	100/4	214	125×30×34
QXN100-44/2-18.5	380	100/4,150/6	222	120×32×34
QXN60-75/3-22	380	100/4	247	135×30×34
QXN60-90/3-25	380	100/4	262	145×32×34
QXN60-100/3-30	380	100/4	270	150×34×34
QXN60-120/4-37	380	100/4	315	160×34×34
QXN20-230/7-37	380	65/2.5	335	160×34×34
QXN30-130/3-25	380	80/3	268	135×32×34
QXN30-150/3-30	380	80/3	272	139×33×34
QXN30-180/4-37	380	80/3	328	160×32×34
QXN100-55/3-25	380	100/4	235	132×34×34
QXN100-66/3-30	380	100/4	313	150×34×34
QXN100-80/3-37	380	100/4	335	160×32×34
QXN80-80/3-30	380	80/3	290	150×30×34
QXN80-100/4-37	380	100/4	320	160×32×34
QXN140-25/2-15	380	150/6	215	115×32×34
QXN140-32/2-18.5	380	150/6	230	120×32×34
QXN140-45/2-25	380	150/6	235	130×32×34
QXN140-50/2-30	380	150/6	240	139×33×34
QXN140-70/3-37	380	150/6	340	160×32×34
QXN100-75/2-37	380	150/6	440	140×38×41
QXN100-95/2-45	380	150/6	450	146×40×43
QXN100-105/2-55	380	150/6	558	147×43×48
QXN100-150/3-75	380	150/6	630	170×43×48
QXN100-190/4-90	380	150/6	780	190×43×48
QXN150-55/2-37	380	150/6	440	140×38×41
QXN150-70/2-45	380	150/6	450	146×40×43
QXN150-90/2-55	380	150/6	558	147×43×48
QXN150-120/3-75	380	150/6	630	170×43×48
QXN150-150/4-90	380	150/6	780	190×43×48
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QXN200-65/2-55	380	150/6	558	147×43×48
QXN200-70/3-75	380	150/6	630	170×43×48
QXN200-90/4-90	380	150/6	780	190×43×48