



WQS Stainless Steel Submersible Electric Sewage Pump



Application

1. Sewage treatment systems for construction projects, industrial and mining enterprises, municipal engineering, etc
2. Pollutant discharge and sewage treatment in urban environmental protection systems
3. Exploration and mining supporting machinery
4. Sewage discharge from food, medical, seawater drainage, and water-logging in ship cabins
5. Agricultural irrigation, fish farming, fountains, water spraying, etc

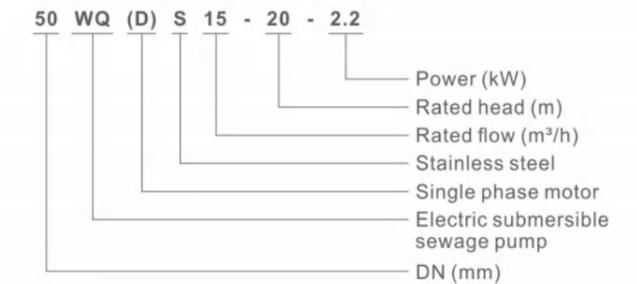
Product Overview

1. The WQ(D)S stainless steel precision casting sewage submersible pump adopts a stainless steel precision casting shell, which has the characteristics of no pollution and corrosion resistance, expanding the application field of water supply and drainage. The impeller adopts a closed double channel design, which increases its service life due to symmetrical channels, good balance, smooth operation, and low vibration. The flow passage has strong passing capacity, and the measured efficiency is higher than the national standard, which saves energy and reduces consumption.
2. The designed submersible motor has IP68 protection level and F insulation class, with good diving cooling effect, low temperature rise, and long insulation life. Over-current protectors are installed below 7.5kW to ensure that the motor can automatically cut off power in case of abnormal situations.
3. It adopts a fluorine rubber double end mechanical seal, with an external skeleton oil seal below 7.5kW, and a two to three series mechanical seals for motor shaft seals above 11kW, forming multiple reliable sealing lines. One is in the medium inside the pump, effectively preventing water from entering the oil chamber, and the other is in the oil chamber to prevent oil from entering the motor chamber. The oil chamber is filled with suitable mechanical oil, while lubricating and cooling the friction surfaces of the two independent machine seals, making the machine seal work more reliable. In addition, it can also take away the heat generated by the lower bearings and some heat generated by the motor.
4. Some water pumps have special cable manufacturing processes that can completely prevent water from entering the motor through the small gaps between the wires when the cable skin is damaged or the front end of the cable is submerged in water.
5. According to customer requirements, a mixing device can be equipped, which generates extremely strong mixing force with the rotation of the motor shaft, stirring the sediment in the sewage tank into suspended solids and discharging them.

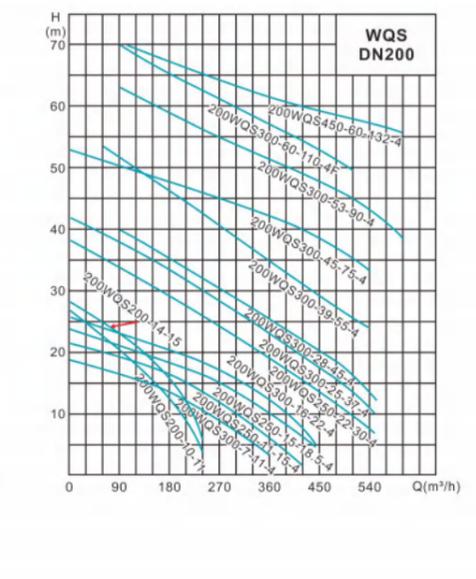
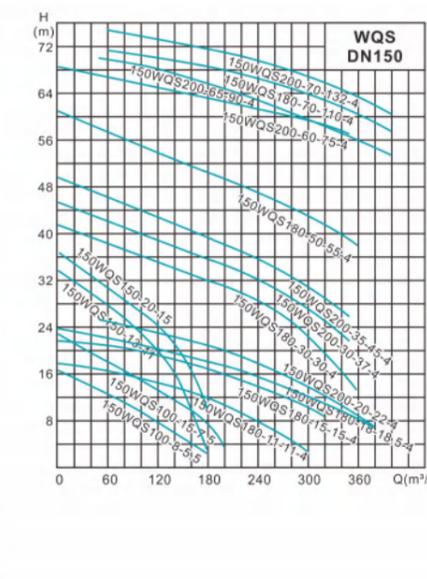
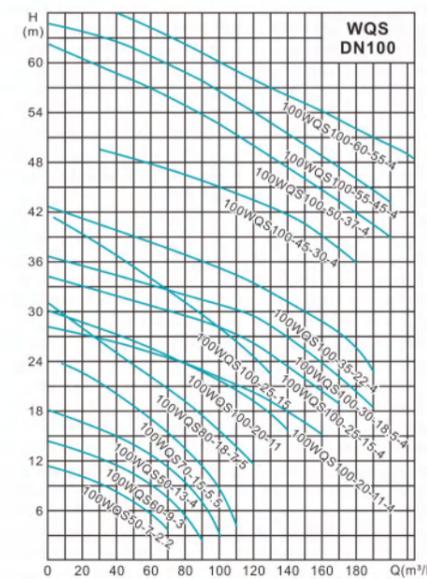
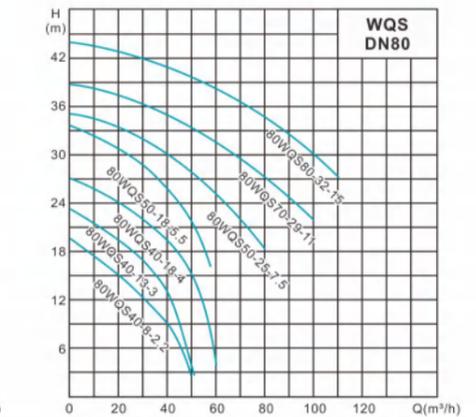
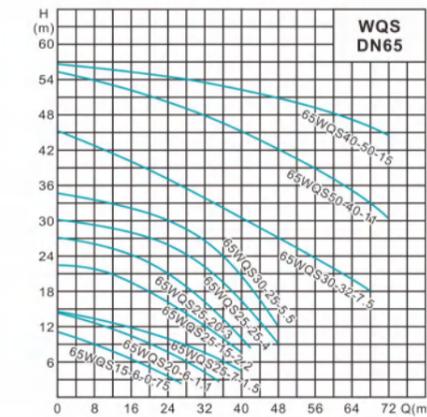
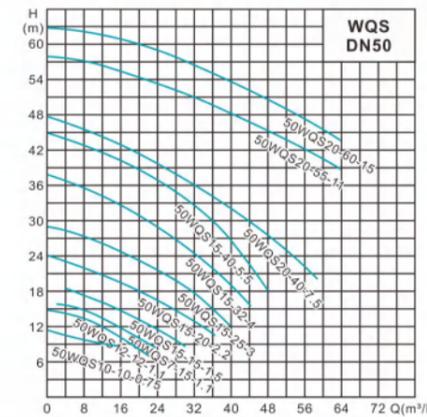
Operating Condition

1. Power supply: 50Hz, three-phase, 380V
2. Medium temperature: $\leq 40^{\circ}\text{C}$, volume ratio of solid matter transported by the medium: $< 2\%$, medium density: $< 1200\text{kg/m}^3$
3. During operation, the minimum liquid level should not be lower than 2/3 of the motor's
4. The diameter of the solid object in the medium shall not exceed the maximum allowable solid diameter
5. The pH values of the conveying medium (temperature related) are 304 (4-10), for reference only

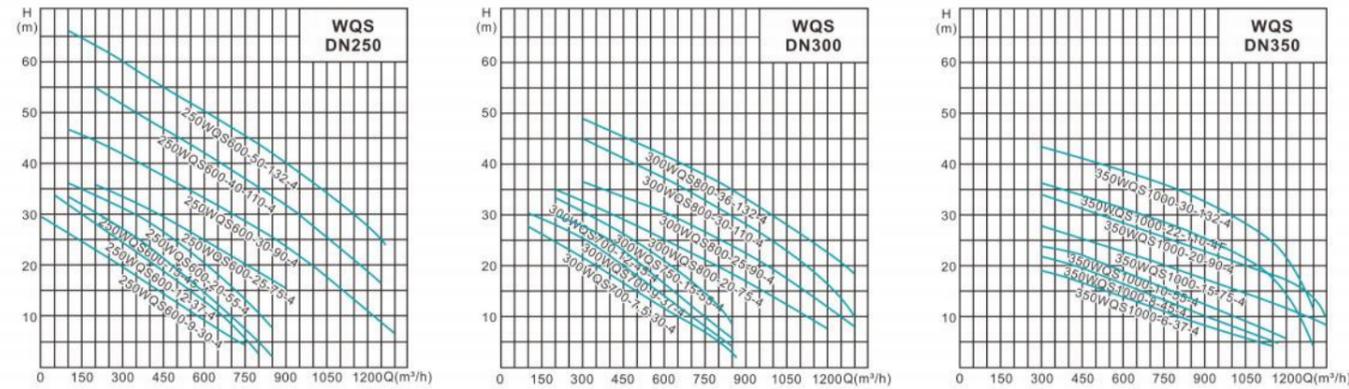
Model Definition



Performance Curve



Performance Curve



Performance Table

Model	Rate flow (m³/h)	Rate head (m)	Rate power (kW)	Rated voltage (V)	Outlet (mm)	Speed (r/min)
50WQDS10-10-0.75	10	10	0.75	220	50	2850
65WQDS15-6-0.75	15	6	0.75	220	65	2850
50WQDS7-15-1.1	7	15	1.1	220	50	2850
65WQDS20-6-1.1	20	6	1.1	220	65	2850
50WQS10-10-0.75	10	10	0.75	380	50	2850
65WQS15-6-0.75	15	6	0.75	380	65	2850
50WQS7-15-1.1	7	15	1.1	380	50	2850
65WQS20-6-1.1	20	6	1.1	380	65	2850
50WQDS15-15-1.5(I)	15	15	1.5	220	50	2850
65WQDS25-7-1.5(I)	25	7	1.5	220	65	2850
50WQS15-15-1.5(I)	15	15	1.5	380	50	2850
65WQS25-7-1.5(I)	25	7	1.5	380	65	2850
50WQDS15-15-1.5	15	15	1.5	220	50	2850
65WQDS25-7-1.5	25	7	1.5	220	65	2850
50WQS15-15-1.5	15	15	1.5	380	50	2850
65WQS25-7-1.5	25	7	1.5	380	65	2850
50WQDS15-20-2.2	15	20	2.2	220	50	2850
65WQDS25-15-2.2	25	15	2.2	220	65	2850
80WQDS40-9-2.2	40	9	2.2	220	80	2850
100WQDS50-7-2.2	50	7	2.2	220	100	2850
50WQS15-20-2.2	15	20	2.2	380	50	2850
65WQS25-15-2.2	25	15	2.2	380	65	2850
80WQS40-9-2.2	40	9	2.2	380	80	2850
50WQS15-20-2.2	15	20	2.2	380	50	2850
65WQS25-15-2.2	25	15	2.2	380	65	2850
80WQS40-9-2.2	40	9	2.2	380	80	2850
100WQS50-7-2.2	50	7	2.2	380	100	2850
50WQS15-25-3	15	25	3	380	50	2850
65WQS25-20-3	25	20	3	380	65	2850
80WQS40-15-3	40	15	3	380	80	2850
100WQS50-10-3	50	10	3	380	100	2850
50WQS15-32-4	15	32	4	380	50	2900

Performance Table

Model	Rate flow (m³/h)	Rate head (m)	Rate power (kW)	Rated voltage (V)	Outlet (mm)	Speed (r/min)
65WQS25-25-4	25	25	4	380	65	2900
80WQS40-18-4	40	18	4	380	80	2900
100WQS50-15-4	50	15	4	380	100	2900
50WQS15-32-4	15	32	4	380	50	2900
65WQS25-25-4	25	25	4	380	65	2900
80WQS40-18-4	40	18	4	380	80	2900
100WQS50-15-4	50	15	4	380	100	2900
50WQS15-40-5.5	15	40	5.5	380	50	2900
65WQS30-25-5.5	30	25	5.5	380	65	2900
80WQS50-18-5.5	50	18	5.5	380	80	2900
100WQS80-10-5.5	80	10	5.5	380	100	2900
150WQS100-8-5.5	100	8	5.5	380	150	2900
50WQS20-40-7.5(I)	20	40	7.5	380	50	2900
65WQS30-32-7.5(I)	30	32	7.5	380	65	2900
80WQS45-22-7.5(I)	45	22	7.5	380	80	2900
100WQS80-18-7.5(I)	80	18	7.5	380	100	2900
150WQS10-10-7.5(I)	10	10	7.5	380	150	2900
50WQS20-55-11	20	55	11	380	50	2900
65WQS40-45-11	40	45	11	380	65	2900
80WQS70-30-11	70	30	11	380	80	2900
100WQS100-20-11	100	20	11	380	100	2900
150WQS150-15-11	150	15	11	380	150	2900
200WQS220-8-11	220	8	11	380	200	2900
50WQS20-60-15	20	60	15	380	50	2900
65WQS40-50-15	40	50	15	380	65	2900
80WQS70-35-15	70	35	15	380	80	2900
100WQS100-25-15	100	25	15	380	100	2900
150WQS150-20-15	150	20	15	380	150	2900
200WQS220-10-15	220	10	15	380	200	2900
100WQS100-20-11	100	20	11	380	100	1450
150WQS180-11-11	180	11	11	380	150	1450
200WQS250-7-11	250	7	11	380	200	1450
100WQS100-25-15	100	25	15	380	100	1450
150WQS180-15-15	180	15	15	380	150	1450
200WQS250-11-15	250	11	15	380	200	1450
100WQS100-30-18.5	100	30	18.5	380	100	1450
150WQS180-18-18.5	180	18	18.5	380	150	1450
200WQS250-15-18.5	250	15	18.5	380	200	1450
250WQS500-7-18.5	500	7	18.5	380	250	1450
100WQS100-35-22	100	35	22	380	100	1450
150WQS200-20-22	200	20	22	380	150	1450
200WQS300-16-22	300	16	22	380	200	1450
250WQS500-9-22	500	9	22	380	250	1450
100WQS100-45-30	100	45	30	380	100	1450
150WQS180-30-30	180	30	30	380	150	1450
200WQS250-22-30	250	22	30	380	200	1450
250WQS600-9-30	600	9	30	380	250	1450
300WQS800-7-30	800	7	30	380	300	1450

Performance Table

Model	Rate flow (m³/h)	Rate head (m)	Rate power (kW)	Rated voltage (V)	Outlet (mm)	Speed (r/min)
100WQS100-50-37	100	50	37	380	100	1450
150WQS200-30-37	200	30	37	380	150	1450
200WQS350-25-37	350	25	37	380	200	1450
250WQS600-12-37	600	12	37	380	250	1450
300WQS800-9-37	800	9	37	380	300	1450
350WQS1000-6-37	1000	6	37	380	350	1450
100WQS100-55-45	100	55	45	380	100	1450
150WQS200-35-45	200	35	45	380	150	1450
200WQS400-25-45	400	25	45	380	200	1450
250WQS600-15-45	600	15	45	380	250	1450
300WQS800-12-45	800	12	45	380	300	1450
350WQS1000-8-45	1000	8	45	380	350	1450
100WQS100-65-55	100	65	55	380	100	1450
150WQS180-50-55	180	50	55	380	150	1450
200WQS300-40-55	300	40	55	380	200	1450
200WQS400-30-55	400	30	55	380	200	1450
250WQS600-20-55	600	20	55	380	250	1450
300WQS800-15-55	800	15	55	380	300	1450
350WQS1000-10-55	1000	10	55	380	350	1450
150WQS200-60-75	200	60	75	380	150	1450
200WQS300-45-75	300	45	75	380	200	1450
250WQS600-25-75	600	25	75	380	250	1450
300WQS800-20-75	800	20	75	380	300	1450
350WQS1000-15-75	1000	15	75	380	350	1450
400WQS1300-13-75	1300	13	75	380	400	1450
150WQS200-65-90	200	65	90	380	150	1450
200WQS300-55-90	300	55	90	380	200	1450
250WQS600-30-90	600	30	90	380	250	1450
300WQS800-25-90	800	25	90	380	300	1450
350WQS1000-18-90	1000	18	90	380	350	1450
400WQS1300-16-90	1300	16	90	380	400	1450
150WQS200-75-110	200	75	110	380	150	1450
200WQS400-55-110	400	55	110	380	200	1450
250WQS600-40-110	600	40	110	380	250	1450
300WQS800-30-110	800	30	110	380	300	1450
350WQS1000-22-110	1000	22	110	380	350	1450
400WQS1500-17-110	1500	17	110	380	400	1450
150WQS200-80-132	200	80	132	380	150	1450
200WQS400-60-132	400	60	132	380	200	1450
250WQS600-50-132	600	50	132	380	250	1450
300WQS800-35-132	800	35	132	380	300	1450
350WQS1000-28-132	1000	28	132	380	350	1450
400WQS1700-16-132	1700	16	132	380	400	1450
250WQS600-60-160	600	60	160	380	250	1450
300WQS800-40-160	800	40	160	380	300	1450
350WQS1000-35-160	1000	35	160	380	350	1450
400WQS1600-20-160	1600	20	160	380	400	1450
500WQS2000-16-160	2000	16	160	380	500	1450

Performance Table

Model	Rate flow (m³/h)	Rate head (m)	Rate power (kW)	Rated voltage (V)	Outlet (mm)	Speed (r/min)
250WQS600-70-185	600	70	185	380	250	1450
300WQS900-40-185	900	40	185	380	300	1450
350WQS1100-38-185	1100	38	185	380	350	1450
400WQS1600-25-185	1600	25	185	380	400	1450
500WQS2200-15-185	2200	15	185	380	500	1450
250WQS750-75-200	750	75	200	380	250	1450
300WQS1000-45-200	1000	45	200	380	300	1450
350WQS1300-35-200	1300	35	200	380	350	1450
400WQS1600-27-200	1600	27	200	380	400	1450
500WQS2500-15-200	2500	15	200	380	500	1450
300WQS1200-45-250	1200	45	250	380	300	1450
350WQS1500-35-250	1500	36	250	380	350	1450
400WQS1600-30-250	1600	30	250	380	400	1450
500WQS2800-15-250	2800	15	250	380	500	1450