



WQVS Stainless Steel Submersible Electric Sewage Cutting Pump



Application

WQ(D)VS submersible sewage pump with cutter is mainly used for

1. Engineering sewage, domestic sewage.
2. Used for construction sites, engineering foundation construction, municipal facilities, and water plants.
3. Sewage discharge from underground floors of various high-rise buildings such as basements, civil air defense pits, and subways.
4. Sewage treatment and circulating water transportation for small and medium-sized enterprises.
5. Slurry pumping for factories and mining enterprises such as food, paper-making, brewing, steel and non-ferrous metals, leather making, textiles, pharmaceuticals, cement plants, etc.
6. Used in various occasions such as chicken farms, pig farms, various animal husbandry industries, fish ponds for pumping and cleaning, and septic tanks for transporting human and animal feces and urine.

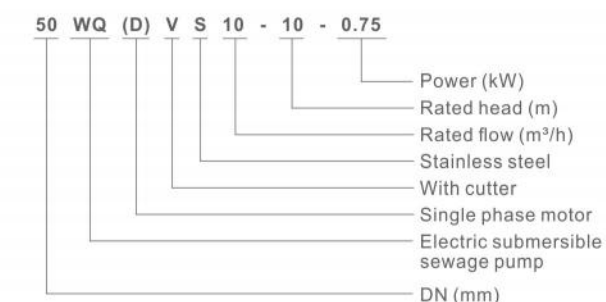
Product Overview

1. The WQ(D)VS stainless steel cutting sewage 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 semi-open double channel design, and the inlet adopts a fixed base in the shape of a whirlwind sickle. When the impeller rotates, the edge of the blade moves opposite to the sickle shaped water inlet base cover plate, providing efficient cutting function.
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 corrugated pipe mechanical seal, and the oil chamber is filled with suitable mechanical oil to lubricate and cool 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 bearing 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.

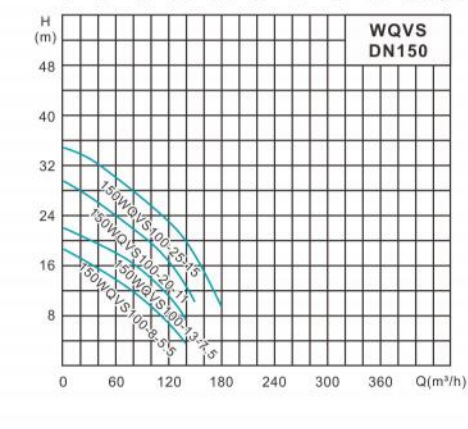
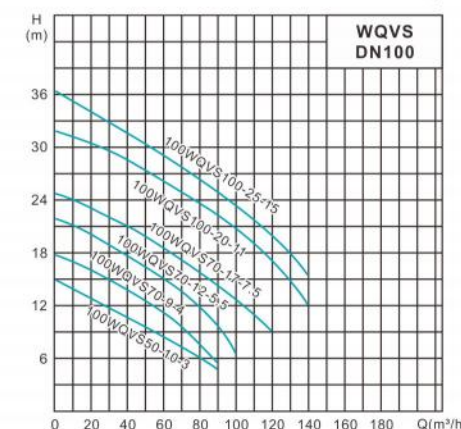
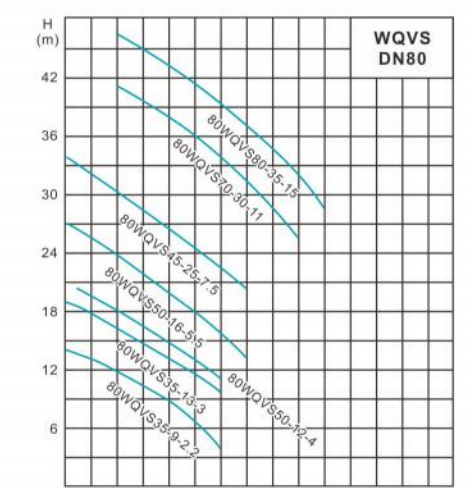
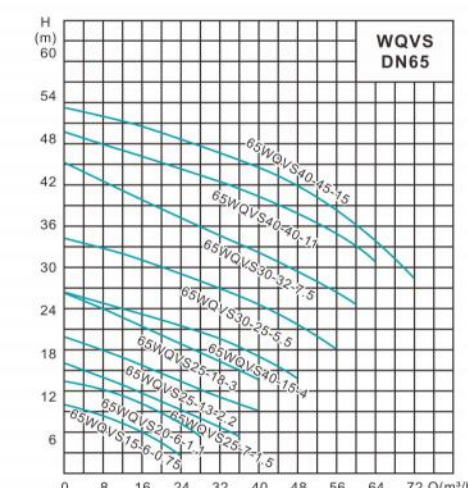
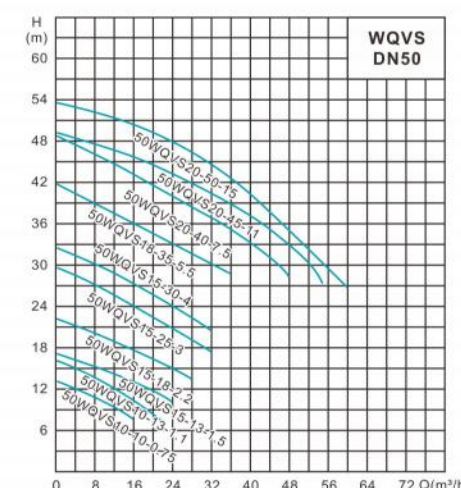
Operating Condition

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), 316 (4-13), and 316L (3-13), for reference only

Model Definition



Performance Curve



Performance Table

Model	Rate flow (m³/h)	Rate head (m)	Rate power (kW)	Rated voltage (V)	Outlet (mm)	Speed (r/min)
50WQDVS10-10-0.75	10	10	0.75	220	50	2850
65WQDVS15-6-0.75	15	6	0.75	220	65	2850
50WQDVS10-13-1.1	10	13	1.1	220	50	2850
65WQDVS20-6-1.1	20	6	1.1	220	65	2850
50WQVS10-10-0.75	10	10	0.75	380	50	2850
65WQVS15-6-0.75	15	6	0.75	380	65	2850
50WQVS10-13-1.1	10	13	1.1	380	50	2850
65WQVS20-6-1.1	20	6	1.1	380	65	2850
50WQDVS15-13-1.5(I)	15	13	1.5	220	50	2850
65WQDVS25-7-1.5(I)	25	7	1.5	220	65	2850
50WQVS15-13-1.5(I)	15	13	1.5	380	50	2850
65WQVS25-7-1.5(I)	25	7	1.5	380	65	2850
50WQDVS15-13-1.5	15	13	1.5	220	50	2850
65WQDVS25-7-1.5	25	7	1.5	220	65	2850
50WQVS15-13-1.5	15	13	1.5	380	50	2850
65WQVS25-7-1.5	25	7	1.5	380	65	2850
50WQVS15-18-2.2(I)	15	18	2.2	380	50	2850
65WQVS25-13-2.2(I)	25	13	2.2	380	65	2850
80WQVS35-9-2.2(I)	35	9	2.2	380	80	2850
50WQDVS15-18-2.2	15	18	2.2	220	50	2850
65WQDVS25-13-2.2	25	13	2.2	220	65	2850
80WQDVS35-9-2.2	35	9	2.2	220	80	2850
50WQVS15-18-2.2	15	18	2.2	380	50	2850
65WQVS25-13-2.2	25	13	2.2	380	65	2850
80WQVS35-9-2.2	35	9	2.2	380	80	2850
50WQVS15-25-3	15	25	3	380	50	2850
65WQVS25-18-3	25	18	3	380	65	2850
80WQVS35-13-3	35	13	3	380	80	2850
50WQVS15-32-4	15	32	4	380	50	2900
65WQVS40-15-4	40	15	4	380	65	2900
80WQVS50-12-4	50	12	4	380	80	2900
100WQVS70-9-4	70	9	4	380	100	2900
50WQVS15-32-4(I)	15	32	4	380	50	2900
65WQVS40-15-4(I)	40	15	4	380	65	2900
80WQVS50-12-4(I)	50	12	4	380	80	2900
100WQVS70-9-4(I)	70	9	4	380	100	2900
50WQVS18-35-5.5	18	35	5.5	380	50	2900
65WQVS30-25-5.5	30	25	5.5	380	65	2900
80WQVS50-16-5.5	50	16	5.5	380	80	2900
100WQVS70-12-5.5	70	12	5.5	380	100	2900
50WQVS20-40-7.5	20	40	7.5	380	50	2900
65WQVS30-32-7.5	30	32	7.5	380	65	2900
80WQVS45-22-7.5	45	22	7.5	380	80	2900
100WQVS70-17-7.5	70	17	7.5	380	100	2900
150WQVS140-8-7.5	140	8	7.5	380	150	2900
50WQVS20-45-11	20	45	11	380	50	2900
65WQVS40-40-11	40	40	11	380	65	2900
80WQVS70-30-11	70	30	11	380	80	2900
100WQVS100-20-11	100	20	11	380	100	2900
150WQVS120-15-11	120	15	11	380	150	2900
50WQVS20-50-15	20	50	15	380	50	2900
65WQVS40-45-15	40	45	15	380	65	2900
80WQVS70-35-15	70	35	15	380	80	2900
100WQVS100-25-15	100	25	15	380	100	2900
150WQVS120-20-15	120	20	15	380	150	2900

