

Submersible pump with cutting system



DESCRIPTIONS

- New design of submersible cutting pumps for wastewater
- Equipped with a vortex alloy impeller, 48HR (hardness)
- Improved hydraulic characteristics
- Heavy-duty HT250 cast iron pump casing
- Abrasion-resistant and durable casing.
- Discharge port with bolts, nuts and fittings
- NSK bearing and customized mechanical seal

OPERATING LIMITS

- Liquid temperature up to +40 °C
- Maximum immersion depth: 10m
- Solids passage: 25 mm to 65 mm



Dirty water



Home



Civil



Industry

Pump casing	Anti-rust coating Cast iron
Shaft	304 stainless steel
Seal	Mechanical seal, carbon-SIC-NBR
Bearing	NSK
Motor	Class F insulation, IP 68 protection

MODEL CODE

For example

50 WQV 12 - 10 - 1.1 D

D = Single-phase

Blank = Three-phase

1.1 = Rated power (kw)

10 = Rated head (m)

12 = Rated flow (m³/h)

WQV = Vortex submersible cutting pump

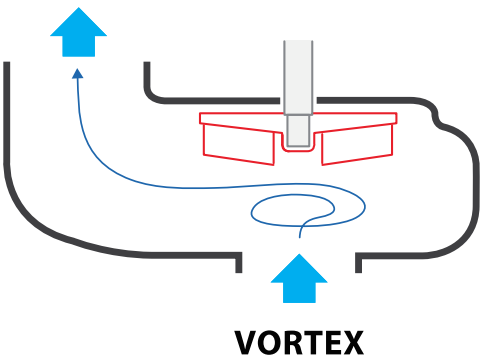
50 = Discharge size (mm)

MATERIAL DESCRIPTION

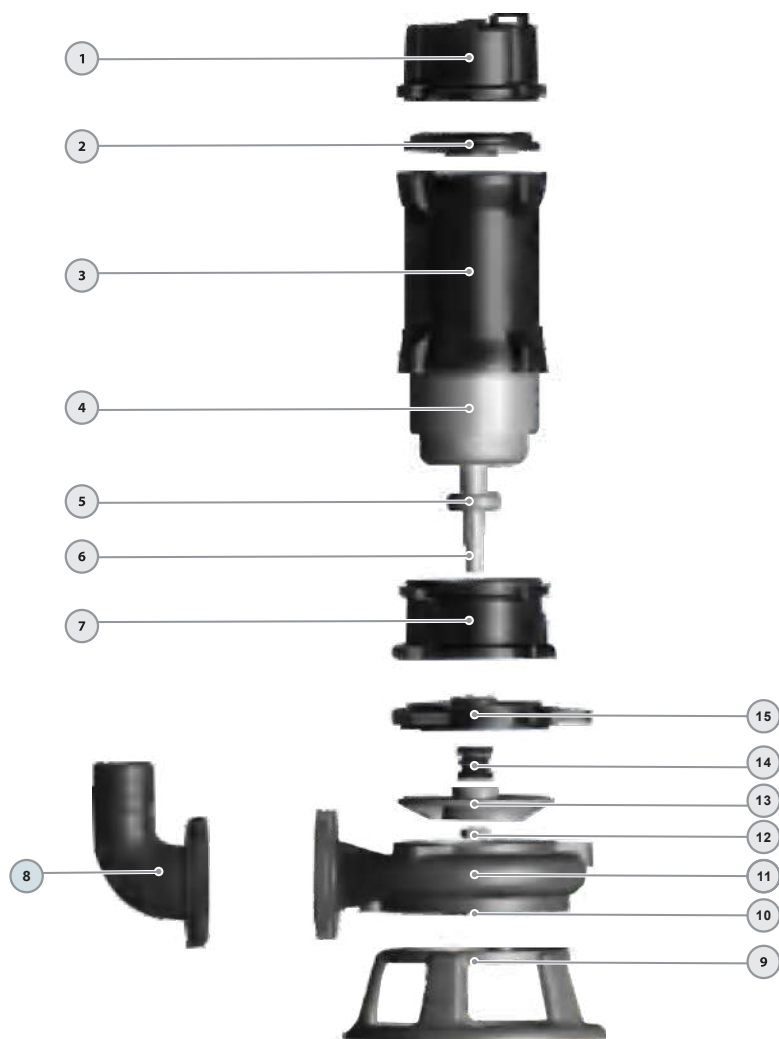
60 Hz n=3500/1750 1/min

Model		Power		Rated Q	Rated H	RPM	DN	KGS	DIM
Single-phase	Three-phase	hp	kw	m³/h	m		mm		cm
40WQV10-10-0.75D	40WQV10-10-0.75	1	0.75	10	10	3500	40	22.5	48*20*22
40WQV12-10-1.1D	40WQV12-10-1.1	1.5	1.1	12	10	3500	40	23.7	48*20*22
50WQV10-10-0.75D	50WQV10-10-0.75	1	0.75	10	10	3500	50	22.5	48*20*22
50WQV12-10-1.1D	50WQV12-10-1.1	1.5	1.1	12	10	3500	50	23.7	48*20*22
* 50WQV15-15-1.5D	* 50WQV15-15-1.5	2	1.5	15	15	3500	50	36.5	60*27*25
-	* 50WQV9-22-2.2	3	2.2	9	22	3500	50	40.1	61*29*29
-	65WQV25-15-2.2	3	2.2	25	15	3500	65	41.4	61*29*29
-	* 80WQV45-9-2.2	3	2.2	45	9	3500	80	43.4	61*29*29
-	50WQV20-22-3	4	3	20	22	3500	50	45.8	63*26*30
-	65WQV35-15-3	4	3	35	15	3500	65	46.6	63*26*30
-	80WQV43-13-3	4	3	43	13	3500	80	47.4	63*26*30
-	65WQV25-22-4	5.5	4	25	22	3500	65	52.2	64*29*32
-	80WQV45-17-4	5.5	4	45	17	3500	80	52.9	64*29*32
-	* 80WQV30-25-4	5.5	4	30	25	3500	80	53.5	64*29*32
-	80WQV45-20-5.5	7.5	5.5	45	20	3500	80	62.5	73*29*34
-	* 100WQV65-15-5.5	7.5	5.5	65	15	3500	100	63.6	73*29*34
-	80WQV45-22-7.5	10	7.5	45	22	3500	80	72	73*31*35
-	100WQV100-13-7.5	10	7.5	100	13	3500	100	73.5	73*31*35
-	100WQV80-25-11	15	11	80	25	1750	100	187	96*53*44
-	150WQV150-15-11	15	11	150	15	1750	150	201	101*52*42
-	100WQV80-30-15	20	15	80	30	1750	100	208	100*53*44
-	150WQV200-15-15	20	15	200	15	1750	150	222	105*52*42
-	150WQV250-15-18.5	25	18.5	250	15	1750	150	286	115*57*44
-	200WQV350-12-18.5	25	18.5	350	12	1750	200	294	120*58*46
-	150WQV300-15-22	30	22	300	15	1750	150	307	125*57*44
-	200WQV400-10-22	30	22	400	10	1750	200	324	120*58*46
-	200WQV350-15-30	40	30	350	15	1750	200	440	135*57*67
-	250WQV600-10-30	40	30	600	10	1750	250	440	140*60*67

IMPELLER TYPE



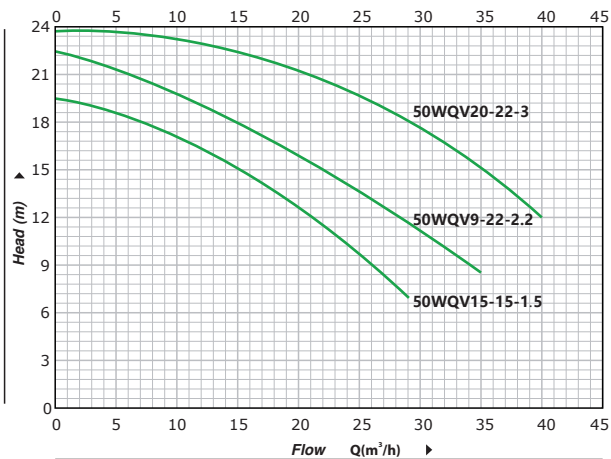
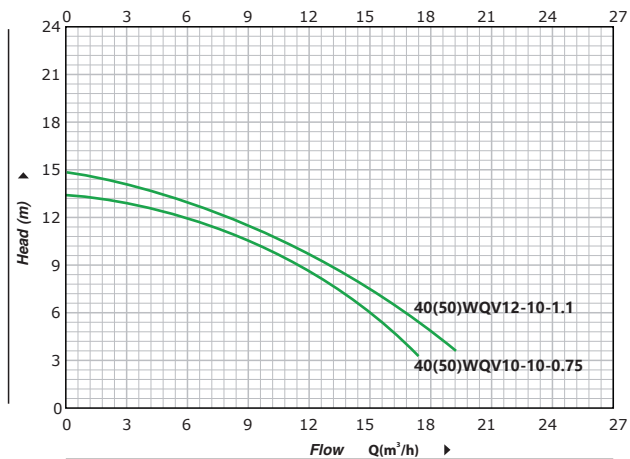
MATERIAL DESCRIPTION



No.	Description	Material
1	Motor cover	Cast iron
2	Plate	Cast iron
3	Motor body	Cast iron
4	Stator/Rotor	Silicon-Copper
5	Bearing	Ball bearing
6	Shaft	304 SS-Iron
7	Chamber	Cast iron
8	Outlet flange	Cast iron
9	Base	Cast iron
10	Cutting plate	48HR alloy
11	Pump body	Cast iron
12	Nut	Galvanized steel
13	Impeller	48HR alloy
14	Mechanical seal	SiC/Graphite/304 SS
15	Seal plate	Cast iron

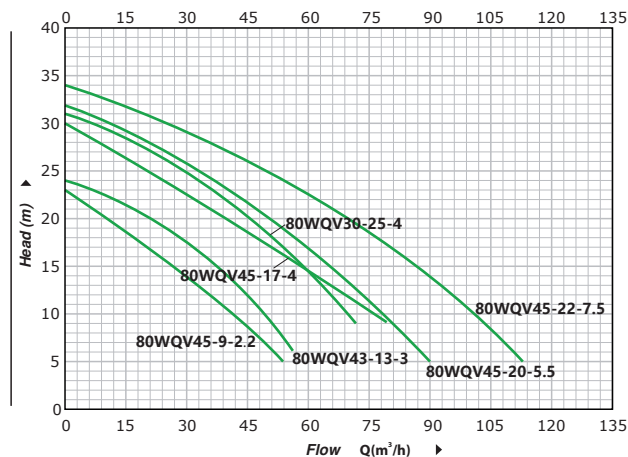
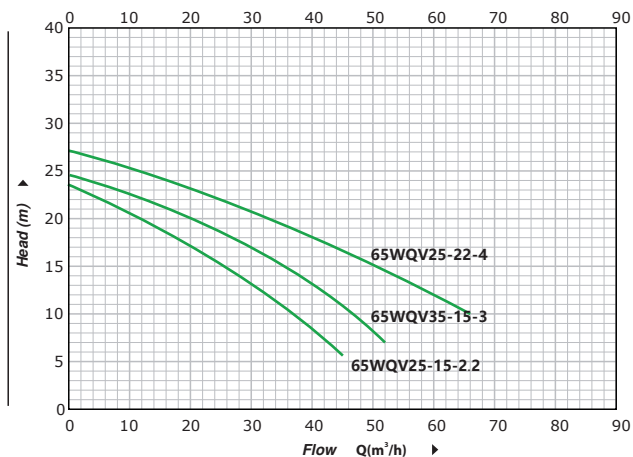
PERFORMANCE CURVE

60 Hz n=3500 1/min

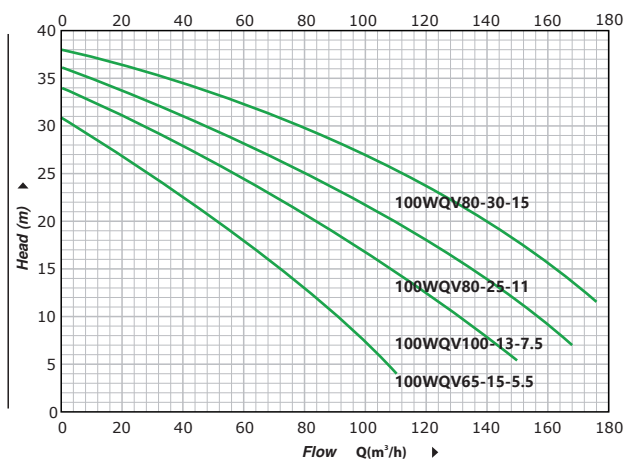


PERFORMANCE CURVE

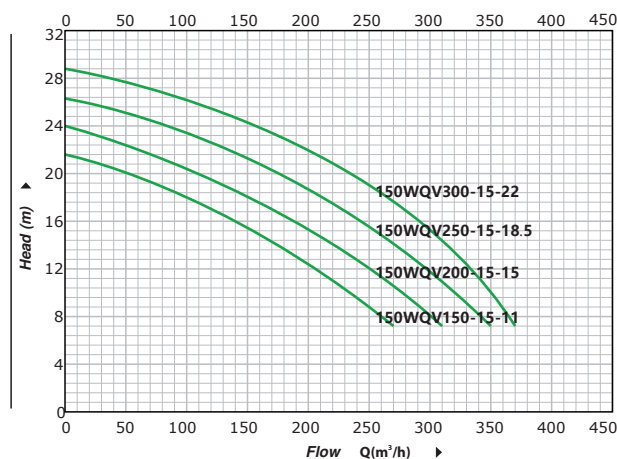
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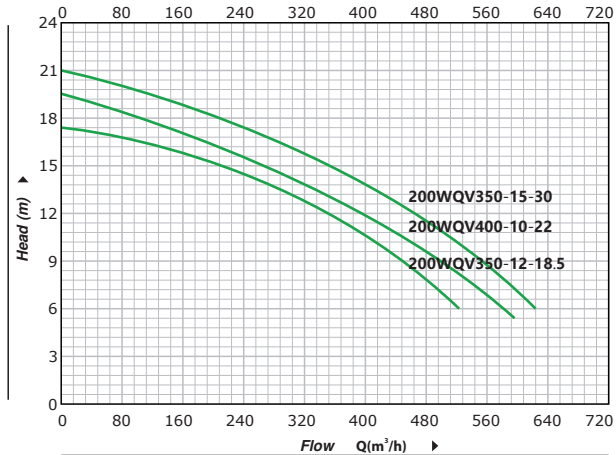
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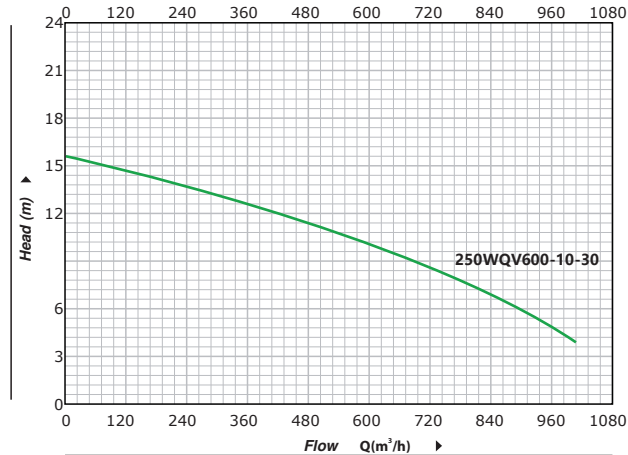
60 Hz n=1750 1/min



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60 Hz n=1750 1/min





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