

Submersible Sewage Pump



Performance Range

Max. Flow: 140m³/h
Max. Head: 44m

Application Limits

- ◎ Maximum liquid temperature +40°C
- ◎ pH level from 4-10
- ◎ Maximum liquid density 1.2×10³ kg/m³
- ◎ Power frequency is 60Hz. Nominal voltage is 120VAC or 220VAC for single phase and 380VAC for three phase with the range from -10% to +10%.
- ◎ Immersion depth from 0.5m-5m

Certificate



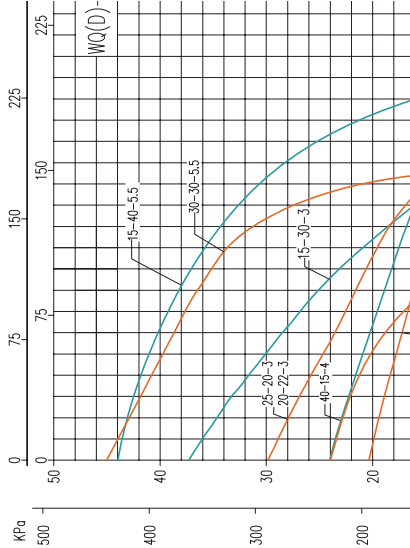
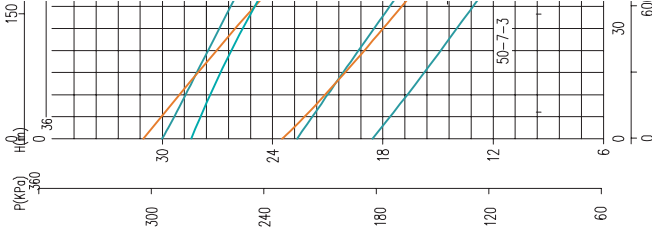
Application Fields

WQ(D) series pumps are widely applied in industry, agriculture, mining, construction, municipal, environmental protection, etc. They are suitable for draining watercontaining particles such as short fibers, paper scraps, etc. and soft solid, such as muddy water, dirty water, domestic wastewater, sewage, manure, etc. They are ideal equipment for agricultural irrigation and drainage, pool silt cleaning and site construction, but do not apply to the location with explosion-proof requirements.

Features

- ◎ Wear-resistant whole cast iron parts design
- ◎ Double channel impeller, good flow capacity, excellent hydraulic performance
- ◎ The stainless steel shaft extension, carbide double sides mechanical sealing

Performance Curve



Model	Power		Rate Current (A)	Max. Flow (m³/h)	Max. Head (m)	Head Range (m)	Cable line (m)	Dim.mm (L×B×H)	G.W. (kg)	20' Loading Qty. (pcs)
	kW	HP								
WQD6-12-0.55AF(120V/60Hz)	0.550	0.75	7.5	17.5	15.0	0 ~ 14	3x1-8	470x250x235	21.0	1014
WQD6-12-0.55A(220V/60Hz)	0.550	0.75	4.1	17.5	15.0	0 ~ 14	3x0.75-8	470x250x235	21.0	1014
WQD6-16-0.75A(120V/60Hz)	0.750	1.00	9.6	22.0	19.0	5 ~ 18	3x1.5-8	470x250x235	23.0	1014
WQD6-16-0.75F(120V/60Hz)	0.750	1.00	9.6	22.0	19.0	5 ~ 18	3x1.5-8	470x250x235	23.0	1014
WQ6-16-0.75A(220V-380V/60Hz)	0.750	1.00	3.4/2	22.0	19.0	5 ~ 18	4x0.75-8	540x240x280	22.0	772
WQD6-16-0.75A(220V/60Hz)	0.750	1.00	5.2	22.0	19.0	5 ~ 18	3x0.75-8	470x250x235	23.0	1014
WQD6-16-0.75F(220V/60Hz)	0.750	1.00	5.2	22.0	19.0	5 ~ 18	3x0.75-8	470x250x235	22.0	1014
WQD10-10-0.75A(220V/60Hz)	0.750	1.00	5.2	24.0	15.0	0 ~ 15	3x0.75-8	520x210x275	29.0	932
WQ10-10-0.75A(220-380V/60Hz)	0.750	1.00	3.4/2	24.0	15.0	0 ~ 15	4x0.75-8	540x240x280	31.0	772
WQ15-7-0.75A(220-380V/60Hz)	0.750	1.00	3.4/2	20.0	17.0	0 ~ 17	4x0.75-8	540x240x280	32.0	772
WQD7-15-1.1A(115V/60Hz)	1.100	1.50	13.9	22.0	19.0	3 ~ 18	3x1.5-8	540x240x280	31.0	772
WQD7-15-1.1A(220V/60Hz)	1.100	1.50	7.3	22.0	19.0	3 ~ 18	3x1-8	540x240x280	31.0	772
WQ7-15-1.1A(220V-380V/60Hz)	1.100	1.50	4.7/2.7	22.0	19.0	3 ~ 18	4x0.75-8	540x240x280	31.0	772
WQ15-9-1.1A(220V/60Hz)	1.100	1.50	7.3	25.0	14.0	0 ~ 14	3x1-8	540x240x280	32.0	772
WQ15-9-1.1A(220V-380V/60Hz)	1.100	1.50	4.7/2.7	25.0	14.0	0 ~ 14	4x0.75-8	540x240x280	32.0	772
WQ12-15-1.5A(220V-380V/60Hz)	1.500	2.00	6.3/3.6	34.0	20.0	0 ~ 20	4x1-8	610x260x308	40.0	573
WQ18-15-1.5A(220V-380V/60Hz)	1.500	2.00	6.3/3.6	47.0	19.0	0 ~ 19	4x1-8	610x260x308	45.0	573
WQ25-7-1.5A(220V-380V/60Hz)	1.500	2.00	6.3/3.6	40.0	14.0	0 ~ 14	4x1-8	610x260x308	39.0	573
WQ25-10-1.5A(220V-380V/60Hz)	1.500	2.00	6.3/3.6	42.0	15.0	0 ~ 15	4x1-8	610x260x308	42.0	573
WQ9-22-2.2A(220V-380V/60Hz)	2.200	3.00	8.8/5.1	29.0	25.0	0 ~ 25	3x1.5+1x1-8	635x260x348	47.0	487
WQ15-20-2.2A(220V-380V/60Hz)	2.200	3.00	8.8/5.1	35.0	25.0	0 ~ 25	3x1.5+1x1-8	635x260x348	50.0	487
WQ25-15-2.2A(220V-380V/60Hz)	2.200	3.00	8.8/5.1	60.0	20.0	0 ~ 20	3x1.5+1x1-8	635x260x348	50.0	487
WQ35-7-2.2A(220V-380V/60Hz)	2.200	3.00	8.8/5.1	50.0	15.0	0 ~ 15	3x1.5+1x1-8	635x260x348	50.0	487
WQ42-9-2.2A(220V-380V/60Hz)	2.200	3.00	8.8/5.1	60.0	16.0	0 ~ 19	3x1.5+1x1-8	655x270x328	52.0	483
WQ15-30-3A(220V-380V/60Hz)	3.000	4.00	11.5/6.7	31.0	34.0	20 ~ 34	3x1.5+1x1 ☆-8	635x260x348	53.0	487
WQ20-22-3A (220-380V/60Hz)	3.000	4.00	11.5/6.7	45.0	27.0	10 ~ 26	3x1.5+1x1 ☆-8	635x260x348	54.0	487
WQ25-20-3A(220V-380V/60Hz)	3.000	4.00	11.5/6.7	48.0	25.0	10 ~ 25	3x1.5+1x1 ☆-8	635x260x348	54.0	487
WQ37-13-3A(220V-380V/60Hz)	3.000	4.00	11.5/6.7	37.0	20.0	0 ~ 20	3x1.5+1x1 ☆-8	720x320x390	61.0	312
WQ43-13-3A(220V-380V/60Hz)	3.000	4.00	11.5/6.7	84.0	19.0	0 ~ 19	3x1.5+1x1 ☆-8	720x320x390	68.0	312
WQ50-7-3A (220-380V/60Hz)	3.000	4.00	11.5/6.7	72.0	13.0	0 ~ 13	3x1.5+1x1 ☆-8	720x320x390	68.0	312
WQ50-10-3A (220-380V/60Hz)	3.000	4.00	11.5/6.7	84.0	19.0	0 ~ 19	3x1.5+1x1 ☆-8	720x320x390	62.0	312
WQ40-15-4A(220-380V/60Hz)	4.000	5.50	15.2/8.8	70.0	22.0	0 ~ 22	3x2.5+1x1.5-8	755x325x395	80.0	289
WQ60-10-4A(220V-380V/60Hz)	4.000	5.50	15.2/8.8	92.0	18.0	0 ~ 18	3x2.5+1x1.5-8	800x335x395	83.0	265
WQ15-40-5.5A (220-380V/60Hz)	5.500	7.50	20.1/11.7	52.0	42.5	0 ~ 42.5	3x4+1x2.5-8	755x325x395	85.0	289
WQ30-30-5.5A(220-380V/60Hz)	5.500	7.50	20.1/11.7	39.0	37.0	0 ~ 37	3x4+1x2.5-8	800x320x380	88.0	288
WQ65-15-5.5A(220-380V/60Hz)	5.500	7.50	20.1/11.7	110.0	25.0	0 ~ 25	3x4+1x2.5-8	345x325x1050	103.0	238
WQ65-20-7.5A(220-380V/60Hz)	7.500	10.00	27.1/15.7	140.0	27.0	0 ~ 27	3x6+1x4-8	870x430x520	128.0	144
WQ80-15-7.5A(220-380V/60Hz)	7.500	10.00	27.1/15.7	140.0	27.0	0 ~ 27	3x6+1x4-8	870x430x520	128.0	144
WQ100-10-7.5A(220-380V/60Hz)	7.500	10.00	27.1/15.7	140.0	27.0	0 ~ 27	3x6+1x4-8	870x430x520	131.0	144

Components & Materials

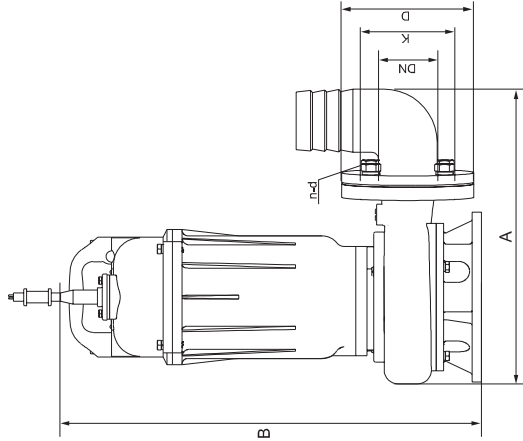


No.	Part name	No.
101	Pump body	412-3
113	Oil chamber cover	412-4
160	Oil chamber cover	412-5
230	Impeller	433-1
321-1	Deep groove ball bearing	433-2



Dimensions & Weight

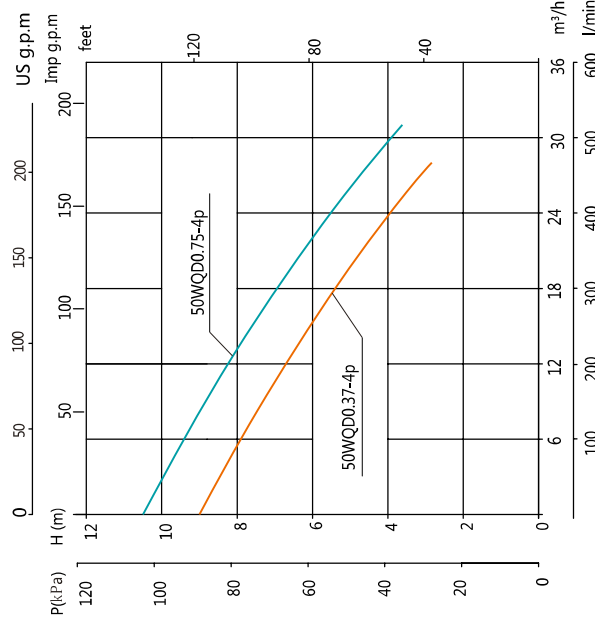
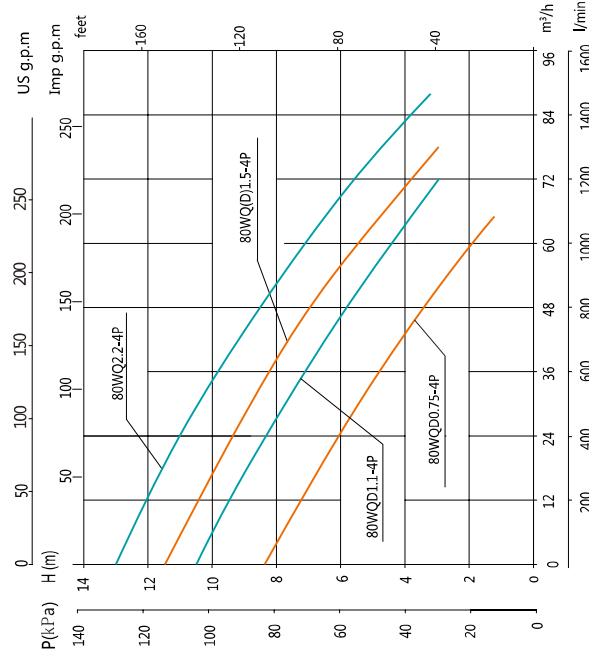
Model	Dim.(mm)			N.W. (kg)
	A	B	DN	
WQD6-12-0.55AF(120V/60Hz)	245	435	G1-1/2	19.0
WQD6-12-0.55A(220V/60Hz)	245	435	G1-1/2	19.0
WQD6-16-0.75A(120V/60Hz)	245	425	G1-1/2	21.0
WQD6-16-0.75F(120V/60Hz)	245	425	G1-1/2	21.0
WQ6-16-0.75A(220V-380V/60Hz)	245	435	G1-1/2	20.0
WQD6-16-0.75A(220V/60Hz)	245	425	G1-1/2	22.0
WQD6-16-0.75F(220V/60Hz)	245	425	G1-1/2	21.0
WQD10-10-0.75A(220V/60Hz)	297	440	50	26.0
WQ10-10-0.75A(220-380V/60Hz)	297	440	50	29.0
WQ15-7-0.75A(220-380V/60Hz)	297	435	50	30.0
WQD7-15-1.1A(115V/60Hz)	258	460	G1-1/2	28.0
WQD7-15-1.1A(220V/60Hz)	258	460	G1-1/2	28.0
WQ7-15-1.1A(220V-380V/60Hz)	254	460	G1-1/2	28.0
WQD15-9-1.1A(220V/60Hz)	314	454	50	29.0
WQ15-9-1.1A(220V-380V/60Hz)	316	468	50	29.0
WQ12-15-1.5A(220V-380V/60Hz)	340	540	50	36.0
WQ18-15-1.5A(220V-380V/60Hz)	347	540	50	41.0
WQ25-7-1.5A(220V-380V/60Hz)	333	542	65	35.0
WQ25-10-1.5A(220V-380V/60Hz)	331	534	50	38.0
WQ9-22-2.2A(220V-380V/60Hz)	326	556	50	42.0
WQ15-20-2.2A(220V-380V/60Hz)	341	556	50	45.0
WQ25-15-2.2A(220V-380V/60Hz)	370	570	65	45.0
WQ35-7-2.2A(220V-380V/60Hz)	369	567	65	45.0
WQ42-9-2.2A(220V-380V/60Hz)	367	593	65	47.0
WQ15-30-3A(220V-380V/60Hz)	345	550	50	48.0
WQ20-22-3A (220-380V/60Hz)	360	560	65	49.0
WQ25-20-3A(220V-380V/60Hz)	236	552	65	48.0
WQ37-13-3A(220V-380V/60Hz)	360	563	65	54.0
WQ43-13-3A(220V-380V/60Hz)	400	602	80	62.0
WQ50-7-3A (220-380V/60Hz)	402	602	80	62.0



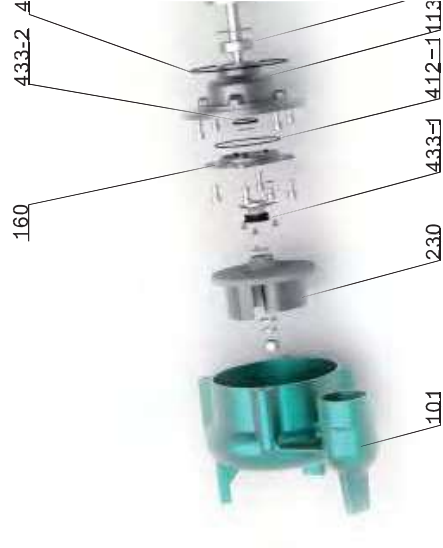
Submersible Sewage Pump



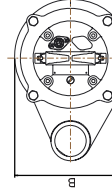
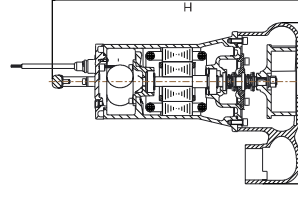
Performance Curve



Components & Materials



No.	Part name	No.
101	Pump body	412-2
113	Oil chamber	412-3
160	Oil chamber cover	412-4
230	Impeller	433-1
321-1	Deep groove ball bearing	433-2
321-2	Deep groove ball bearing	576
412-1	O-ring	811



Submersible Sewage Pump



Performance Range

Max. Flow: 400m³/h
Max. Head: 46m

Application Limits

- Maximum liquid temperature +40°C
- pH level from 4-10
- Maximum liquid density 1.2×10³ kg/m³
- Voltage fluctuation range ± 10%
- Immersion depth from 0.5m-5m

Certificate



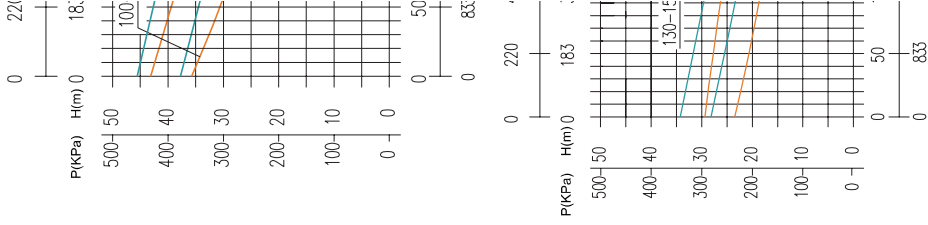
Application Fields

WQ(Single stage with high power) series pumps are widely applied in industry, agriculture, mining, construction, municipal, environmental protection, etc. They are suitable for draining water containing particles such as short fibers, paper scraps, etc. and soft solid, such as muddy water, dirty water, domestic wastewater, sewage, manure, etc. They are ideal equipment for agricultural irrigation and drainage, pool silt cleaning and site construction, but do not apply to the location with explosion-proof requirements.

Features

- Large power submersible sewage pump, the standard flange outlet.
- Double channel impeller, good flowing capacity, excellent hydraulic performance.
- Stainless steel shaft extension and carbide double sides mechanical sealing.

Performance Curve



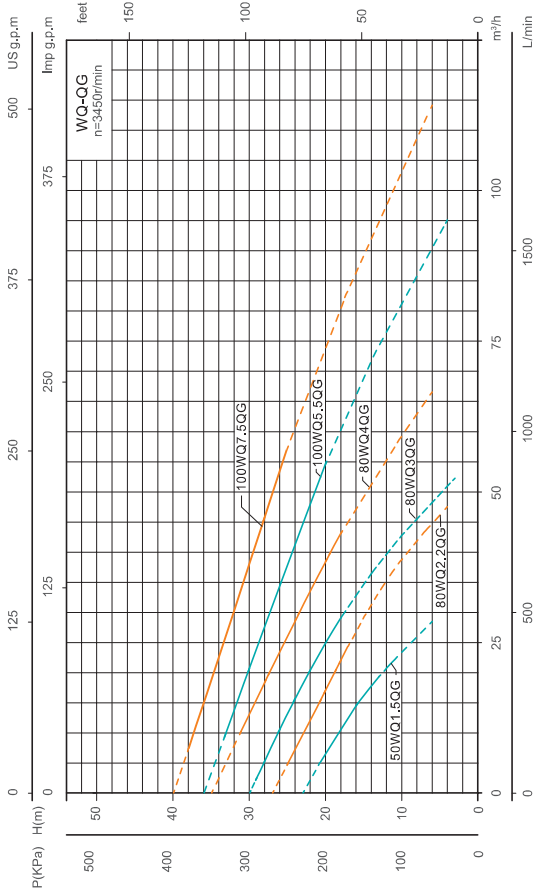
Model	Power		Rate Current (A)
	kW	HP	
WQ130-15-11(220V/60Hz)	11	15	41
WQ100-25-15(220V/60Hz)	15	20	55
WQ150-17-15(220V/60Hz)	15	20	55
WQ100-30-18.5(220V/60Hz)	18.5	25	65
WQ100-35-22(220V/60Hz)	22	30	77
WQ180-20-22(220V/60Hz)	22	30	77
WQ100-40-30(220V/60Hz)	30	40	105
WQ180-25-30(220V/60Hz)	30	40	105

Disc Cutting Sewage Sewage Submersible Pump

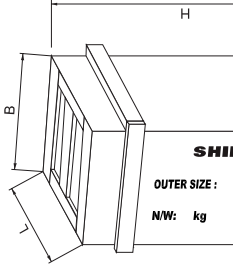
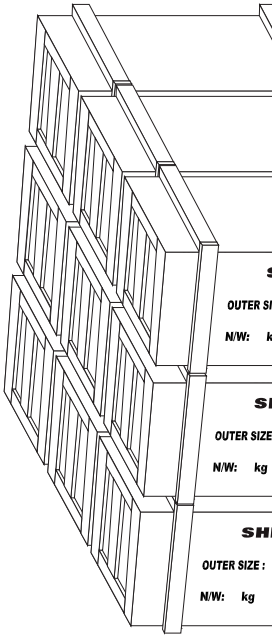


No.	Part name	No.	Part name	No.	Part name
101	Pump body	433-1	Mechanical seal	834	Cable sheath
160	Oil chamber cover	433-2	Mechanical seal	836	Terminal block
113	Oil chamber	502	Seal ring	901	Hexagon head bolt M12x125
230	Impeller	592	Base	920-1	Hexagon nut - Style 1
321-1	Deep groove ball bearing	720	Outlet joint	920-2	Hexagon nut - Style 1
321-2	Deep groove ball bearing	811	Casing	920-3	Hexagon nut - Style 1
411	Rubber washer	812	Head cover	940	Flat key
412-1	O-ring	814	Stator core with winding	970	Nameplate
412-2	O-ring	818	Rotor	752-1	Check valve seat
412-3	O-ring	822	Upper bearing block		
412-4	O-ring	825	Cable pressing plate		

Performance Curve



Model	Power		Rate Current (A)	Max. Flow (m³/h)	Max. Head (m)	Head Range (m)	Cable line (m)	Dim.mm (LxBxH)	G.W. (kg)	20' Loading Qty. (pcs)
	kW	HP								
50WQ1.5QG(380V/60Hz)	1.5	2	3.6	35	24	13-21	4×0.75-8	270×300×610	36	550
80WQ2.2QG(380V/60Hz)	2.2	3	5.1	60	27	17-25	4×0.75-8	270×330×610	40	500
80WQ3QG(380V/60Hz)	3	4	6.7	65	30	18-29	4×1-8	270×330×630	42	480
80WQ4QG(380V/60Hz)	4	5.5	8.8	80	31	18-31	3×1.5+1×1-8	270×345×690	54	420
100WQ5.5QG(380V/60Hz)	5.5	7.5	11.7	110	35	20-33	3×1.5+1×1-8	270×345×750	61	385
100WQ7.5QG(380V/60Hz)	7.5	10	15.7	125	38	25-38	3×2.5+1×1.5-8	285×360×750	83	350



Components & Materials



No.	Part name	No.
101	Pump body	412-2
113	Oil chamber	412-3
143	Chassis	412-4
160	Oil chamber cover	433
230	Impeller	592
321-1	Deep groove ball bearing - high temperature	593
321-2	Deep groove ball bearing	720
411	Rubber washer	811
412-1	O-ring	812

