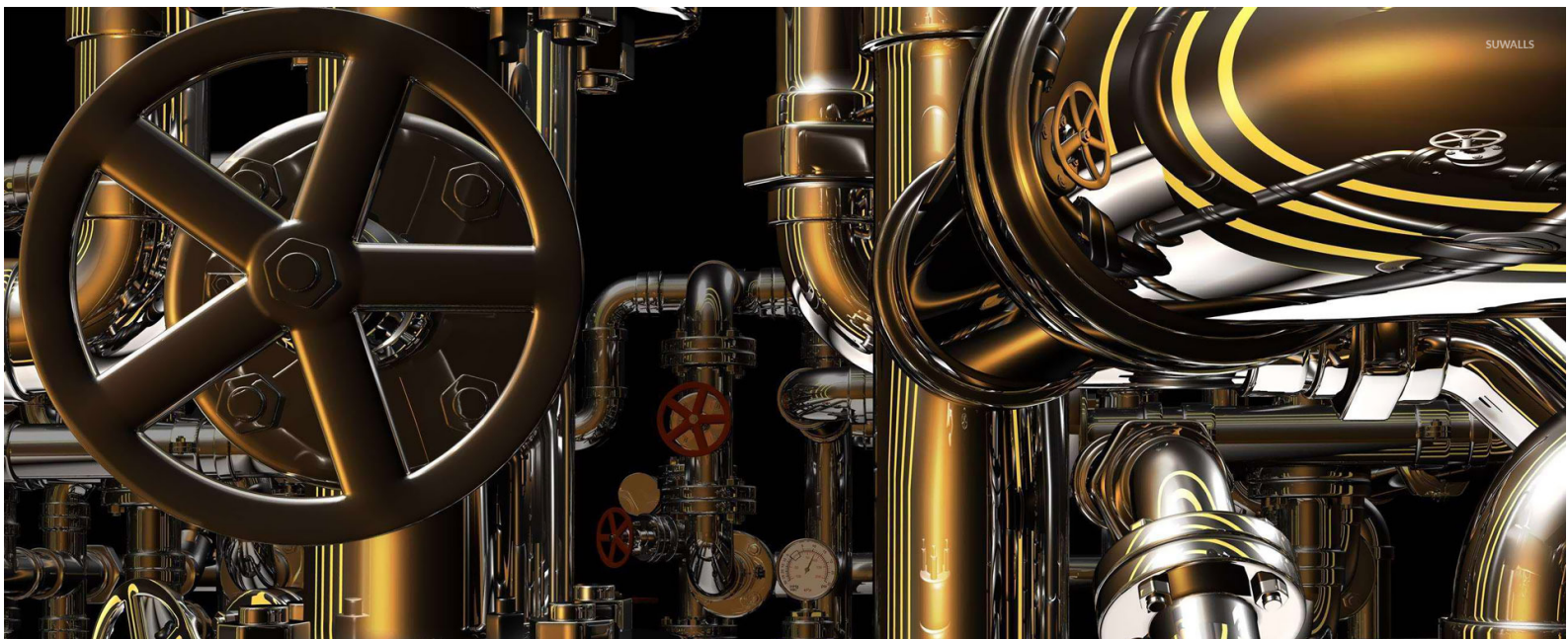




AMEGA PUMPS

**OUR PURSUIT
OF QUALITY
IS ALWAYS THE SAME**

Pumps - Motors - Systems



AMEGA-WQ SERIES SUBMERSIBLE SEWAGE PUMP

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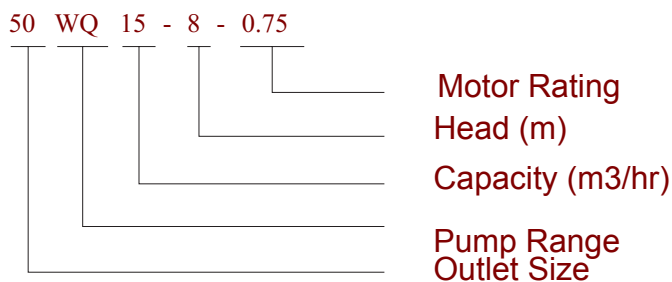


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APPLICATIONS

Fluid Management WQ series submersible pumps are used for sewage and waste water drainage from municipal and industrial buildings, hotels, hospitals and many others. Ideal for waste water and rain water containing solids and fibrous materials

NOMENCLATURE



CONDITIONS OF USE

1. Maximum temperature 60 Degrees C
2. Maximum density 1200 kg/m³
3. PH range 6-9
4. Liquid level should not be below lowest liquid level [see installation drawing]
5. Maximum solids diameter should be 50% or less of outlet connection port size

CONSTRUCTION AND FEATURES

Bearings:

SKF NTN bearings, robust and durable to extend pump life

Cooling:

Built-in cooling system allows the pump to be partially or fully submersed. A proportion of the pumped liquid is circulated through the cooling barrel to cool the motor. Where external cooling is required, the cooling sleeve may be separated from the pump casing, and individually connected to the cooling system.

Motor:

Class F insulation, maximum working temperature 155 Deg. C. IPX8 protection with seal.

Mechanical seal:

Double mechanical seals to protect motor. Tungsten carbide/tungsten carbide on pump side. Graphite/silicon on motor side.

Oil chamber:

Mechanical seals are oil lubricated to prevent liquid penetration into motor

Impeller:

Optimised design to handle various liquids with maximum efficiency. Single blade, dual blade and three blade available

Casing:

Using CAD/CAM design to maximise efficiency and minimise wear

Shaft:

The shaft has been designed to be as short as possible, reducing deflection and vibration. This extends the life of the mechanical seals, bearings and reduces operational noise.

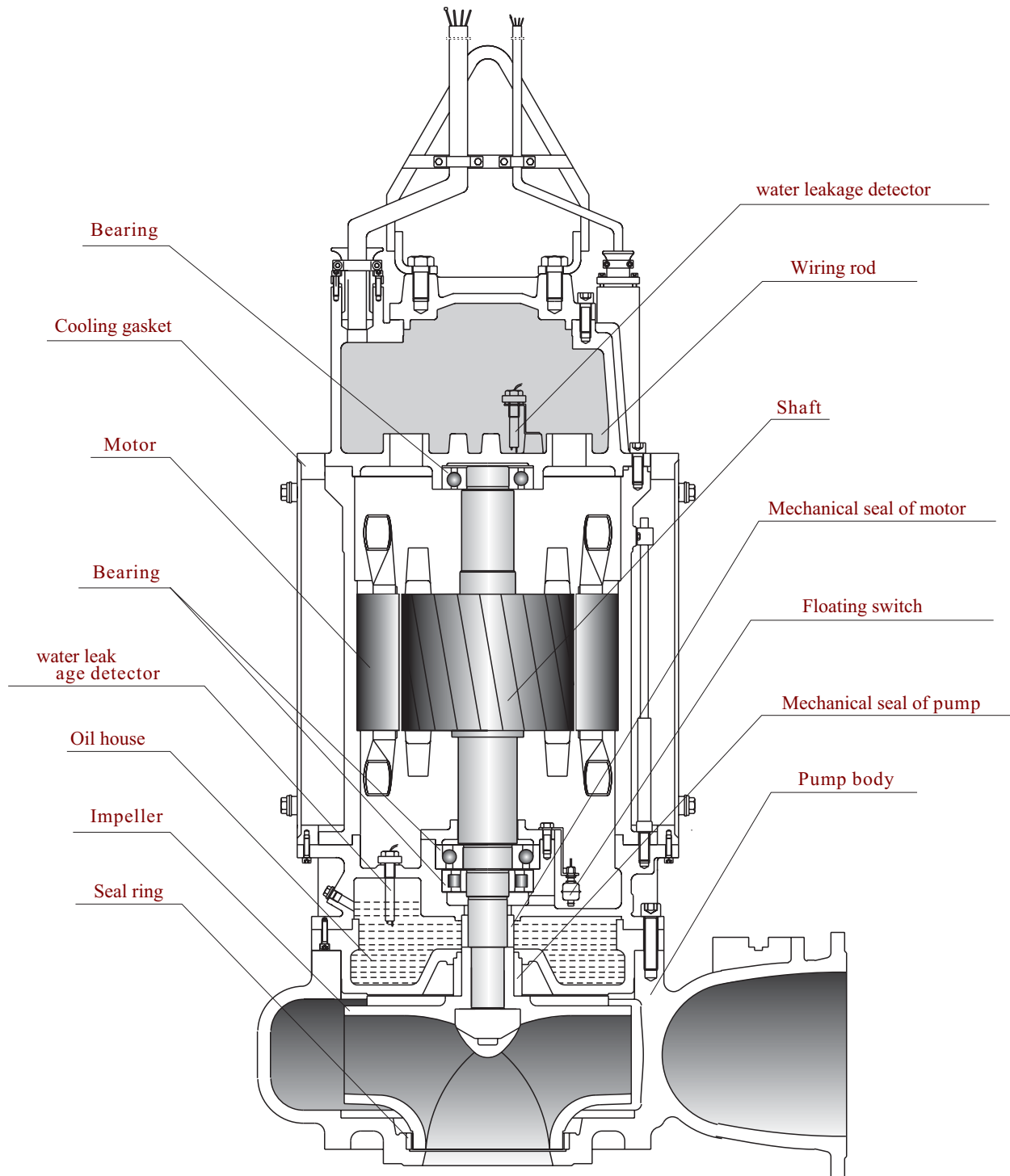
Monitoring System:

Three heat control switches are embedded in the stator. These are activated should the stator temperature exceed 125 degrees C.

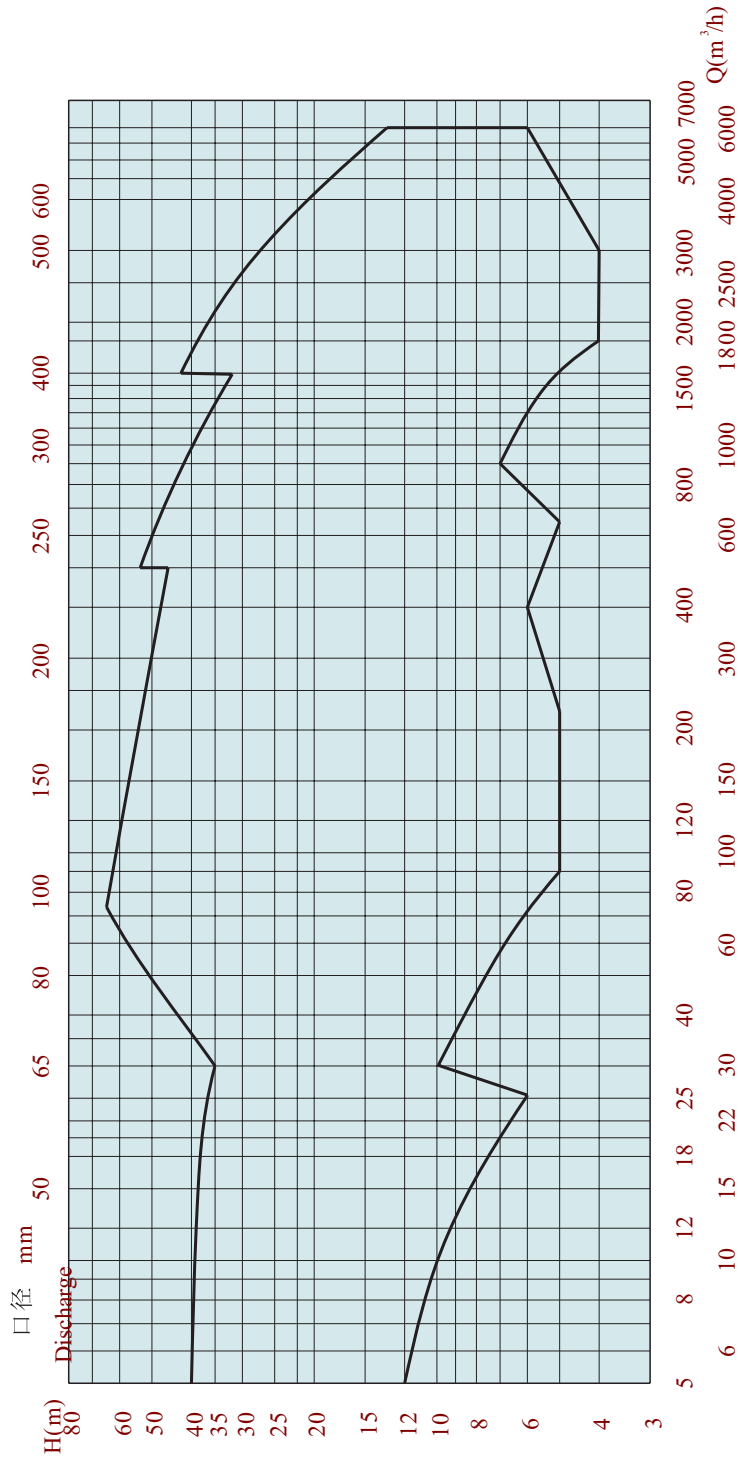
A water leakage probe is mounted inside of the oil chamber. Should the oil water ratio reach a pre-determined ratio a warning signal will be activated, and the pump switched off. [The oil in the chamber should be replaced at regular service intervals].

All motors greater than 30kW are fitted with cable seal leakage detection.

WQ CROSS-SECTION DRAWING



WQ TYPE COVERAGE CHART



AMEGA PUMPS

WQ TYPE PUMP PERFORMANCE

No.	Type	Outlet diameter (mm)	Capacity		Head (m)	Speed (r/min)	Power (kW)	Efficiency (%)	Weight (Kg)
			(m ³ /h)	(L/s)					
1	50WQ15-8-0.75	50	10 15 20	2.8 4.2 5.6	10 8 7	2825	0.75	48 52 56	30
2	50WQ15-12-1.1	50	10 15 20	2.8 4.2 5.6	14 12 10	2825	1.1	48 52 56	32
3	50WQ15-16-1.5	50	10 15 20	2.8 4.5 6.9	18 16 10	2840	1.5	48 52 56	40
4	50WQ15-22-2.2	50	10 15 20	2.8 4.2 6.9	25 22 16	2840	2.2	48 52 56	45
5	50WQ15-30-3	50	10 15 20	2.8 4.2 6.9	33 30 20	2880	3	45 50 54	55
6	50WQ25-25-4	50	20 25 40	5.6 6.9 11.1	28 25 18	2880	4	43 48 53	65
7	50WQ25-32-5.5	50	20 25 40	5.6 6.9 11.1	35 32 25	1440	5.5	43 48 55	90
8	50WQ25-36-7.5	50	20 25 40	5.6 6.9 11.1	38 36 33	1440	7.5	43 48 55	105
9	65WQ30-10-2.2	65	20 30 45	5.6 8.3 12.5	12 10 8	1420	2.2	50 62 64	55
10	65WQ30-15-3	65	20 30 45	5.6 8.3 12.5	17 15 12	1420	3	50 62 64	65
11	65WQ30-22-4	65	20 30 45	5.6 8.3 12.5	24 22 16	1440	4	44 52 57	75
12	65WQ30-30-5.5	65	20 30 45	5.6 8.3 12.5	32 30 22	1440	5.5	44 52 57	100
13	65WQ30-35-7.5	65	20 30 45	5.6 8.3 12.5	37 35 30	1440	7.5	44 50 57	115
14	80WQ50-8-2.2	80	40 50 75	11.1 13.9 20.8	10 8 6	1420	2.2	56 60 63	65
15	80WQ50-10-3	80	40 50 75	11.1 13.9 20.8	13 10 8	1420	3	56 60 62	75
16	80WQ50-15-4	80	40 50 75	11.1 13.9 20.8	18 15 10	1440	4	55 58 60	85
17	80WQ50-20-5.5	80	40 50 75	11.1 13.9 20.8	23 20 16	1440	5.5	48 55 66	110
18	80WQ50-25-7.5	80	40 50 75	11.1 13.9 20.8	28 25 21	1440	7.5	48 55 63	125
19	80WQ50-35-11	80	40 50 75	11.1 13.9 20.8	40 35 27	2900	11	48 55 63	180
20	80WQ50-40-15	80	40 50 75	11.1 13.9 20.8	42 40 37	2900	15	46 52 60	205

WQ SERIES SUBMERSIBLE SEWAGE PUMP
WQ TYPE PUMP PERFORMANCE

No.	Type	Outlet diameter (mm)	Capacity		Head (m)	Speed (r/min)	Power (kW)	Efficiency (%)	Weight (Kg)
			(m ³ /h)	(L/s)					
21	100WQ80-7-3	100	65 80 120	18.1 22.2 33.3	8 7 5	1420	3	62 64 60	85
22	100WQ80-10-4	100	65 80 120	18.1 22.2 33.3	12 10 7	1440	4	62 64 62	95
23	100WQ80-13-5.5	100	65 80 120	18.1 22.2 33.3	15 13 10	1440	5.5	58 64 67	120
24	100WQ80-18-7.5	100	65 80 120	18.1 22.2 33.3	21 18 13	1440	7.5	58 64 67	135
25	100WQ80-24-11	100	65 80 120	18.1 22.2 33.3	28 24 20	2900	11	58 64 67	190
26	100WQ80-32-15	100	65 80 120	18.1 22.2 33.3	35 32 25	2900	15	54 58 62	215
27	100WQ80-36-18.5	100	65 80 120	18.1 22.2 33.3	40 36 30	2900	18.5	50 55 60	280
28	100WQ80-40-22	100	65 80 120	18.1 22.2 33.3	45 40 35	2900	22	50 55 60	290
29	150WQ150-7-5.5	150	100 150 220	27.8 41.7 61.1	9 7 5	1440	5.5	63 72 70	130
30	150WQ150-10-7.5	150	100 150 220	27.8 41.7 61.1	12 10 7	1440	7.5	63 72 70	150
31	150WQ150-15-11	150	100 150 220	27.8 41.7 61.1	18 15 11	1460	11	67 72 68	215
32	150WQ150-20-15	150	100 150 220	27.8 41.7 61.1	23 20 17	1460	15	60 68 64	240
33	150WQ150-25-18.5	150	100 150 220	27.8 41.7 61.1	28 25 19	1470	18.5	60 68 64	300
34	150WQ150-30-22	150	100 150 200	27.8 41.7 55.6	33 30 25	1470	22	60 65 68	320
35	150WQ150-40-30	150	100 150 200	27.8 41.7 55.6	42 40 33	1470	30	60 65 68	580
36	150WQ150-45-37	150	100 150 200	27.8 41.7 55.6	47 45 38	1470	37	55 62 65	650
37	150WQ150-50-45	150	100 150 200	27.8 41.7 55.6	52 50 47	1470	45	55 62 65	750
38	150WQ100-60-55	150	80 100 150	22.2 27.8 41.7	62 60 56	1470	55	53 60 63	850
39	200WQ300-7-11	200	250 300 400	69.4 83.3 111.1	8 7 6	1460	11	72 74 69	280
40	200WQ300-10-15	200	250 300 400	69.4 83.3 111.1	11 10 8	1460	15	72 74 69	300

WQ TYPE PUMP PERFORMANCE

No.	Type	Outlet diameter (mm)	Capacity		Head (m)	Speed (r/min)	Power (kW)	Efficiency (%)	Weight (Kg)
			(m ³ /h)	(L/s)					
41	200WQ300-13-18.5	200	250 300 400	69.4 83.3 111.1	15 13 10	1470	18.5	66 68 65	370
42	200WQ300-15-22	200	250 300 400	69.4 83.3 111.1	17 15 13	1470	22	66 68 65	380
43	200WQ300-20-30	200	250 300 400	69.4 83.3 111.1	22 20 17	980	30	66 67 67	650
44	200WQ300-25-37	200	250 300 400	69.4 83.3 111.1	27 25 30	980	37	66 67 68	720
45	200WQ400-27-45	200	250 400 500	69.4 111.1 138.9	35 27 24	1480	45	65 74 78	850
46	200WQ400-34-55	200	250 400 500	69.4 111.1 138.9	39 34 30	1480	55	65 74 78	950
47	200WQ400-40-75	200	250 400 500	69.4 111.1 138.9	44 40 35	1480	75	62 70.5 72	1300
48	200WQ400-48-90	200	250 400 500	69.4 111.1 138.9	50 48 44	1480	90	62 70.5 72	1420
49	250WQ400-7-15	250	300 400 600	83.3 111.1 166.7	9 7 5	1460	15	75 69 62	450
50	250WQ400-10-18.5	250	300 400 600	83.3 111.1 166.7	12 10 7	1470	18.5	68 75 70	550
51	250WQ400-13-22	250	300 400 600	83.3 111.1 166.7	16 13 9	1470	22	68 73 60	580
52	250WQ500-10-30	250	400 500 700	111.1 138.9 194.4	15 12 8	980	30	70 72 78	700
53	250WQ500-16-37	250	400 500 700	111.1 138.9 194.4	18 16 14	980	37	70 72 78	780
54	250WQ500-20-45	250	400 500 700	111.1 138.9 194.4	22 20 16	980	45	70 72 78	1050
55	250WQ500-25-55	250	400 500 700	111.1 138.9 194.4	28 25 19	980	55	72 74 72	1115
56	250WQ600-28-75	250	500 600 800	138.9 166.7 222.2	31 28 23	1480	75	70 73 75	1480
57	250WQ600-34-90	250	500 600 800	138.9 166.7 222.2	37 34 27	1480	90	70 73 75	1580
58	250WQ600-40-110	250	500 600 800	138.9 166.7 222.2	43 40 33	1480	110	68 70 73	1650
59	250WQ600-50-132	250	500 600 800	138.9 166.7 222.2	53 50 40	1480	132	68 70 73	1710
60	300WQ600-6-18.5	300	500 600 750	138.9 166.7 208.3	7 6 5	1470	18.5	69 65 61	650

**AMEGA PUMPS****WQ SERIES SUBMERSIBLE SEWAGE PUMP****WQ TYPE PUMP PERFORMANCE**

No.	Type	Outlet diameter (mm)	Capacity		Head (m)	Speed (r/min)	Power (kW)	Efficiency (%)	Weight (Kg)
			(m ³ /h)	(L/s)					
61	300WQ600-7-22	300	500 600 750	138.9 166.7 208.3	8 7 6	1470	22	69 65 61	660
62	300WQ700-11-30	300	550 700 1000	152.8 194.4 277.8	13 11 8	980	30	72 78 77	780
63	300WQ700-14-37	300	550 700 1000	152.8 194.4 277.8	16 14 10	980	37	72 78 77	880
64	300WQ700-16-45	300	550 700 1000	152.8 194.4 277.8	18 16 12	980	45	72 78 77	1150
65	300WQ700-19-55	300	550 700 1000	152.8 194.4 277.8	21 19 14	980	55	70 75 73	1215
66	300WQ1000-20-75	300	800 1000 1400	222.2 277.8 388.9	23 20 15	990	75	75 82 80	1530
67	300WQ1000-24-90	300	800 1000 1400	222.2 277.8 388.9	27 24 18	990	90	75 82 80	1650
68	300WQ1000-28-110	300	800 1000 1400	222.2 277.8 388.9	31 28 20	1480	110	75 82 80	1720
69	300WQ1000-35-132	300	800 1000 1400	222.2 277.8 388.9	38 35 27	1480	132	75 80 82	1800
70	350WQ1200-6-30	350	1000 1200 1500	277.8 333.3 416.7	7 6 5	730	30	75 72 70	850
71	350WQ1200-8-37	350	1000 1200 1500	277.8 333.3 416.7	9 8 6	740	37	76 75 70	950
72	350WQ1100-10-45	350	900 1100 1500	250 305.6 416.7	11 10 7	740	45	67 70 68	1250
73	350WQ1100-12-55	350	900 1100 1500	250 305.6 416.7	14 12 8	740	55	69 71 66	1320
74	350WQ1100-16-75	350	900 1100 1500	250 305.6 416.7	19 16 12	980	75	70 75 72	1650
75	350WQ1100-20-90	350	900 1100 1500	250 305.6 416.7	24 20 15	980	90	70 75 72	1770
76	350WQ1100-25-110	350	900 1100 1500	250 305.6 416.7	30 25 18	980	110	72 76 73	1840
77	350WQ1100-30-132	350	900 1100 1500	250 305.6 416.7	35 30 24	980	132	72 75 79	1920
78	350WQ1100-36-160	350	900 1100 1500	250 305.6 416.7	40 36 28	980	160	70 75 80	2700
79	350WQ1500-30-185	350	1200 1500 2000	333.3 416.7 555.6	35 30 24	980	185	75 80 77	2800
80	350WQ1500-32-200	350	1200 1500 2000	333.3 416.7 555.6	38 32 25	740	200	75 80 78	2850

WQ TYPE PUMP PERFORMANCE

No.	Type	Outlet diameter (mm)	Capacity		Head (m)	Speed (r/min)	Power (kW)	Efficiency (%)	Weight (Kg)
			(m ³ /h)	(L/s)					
81	350WQ1500-35-220	350	1200 1500 2000	333.3 416.7 555.6	40 35 27	740	220	75 80 78	3050
82	350WQ1500-40-250	350	1200 1500 2000	333.3 416.7 555.6	42 40 33	740	250	78 80 82	3250
83	350WQ1800-40-280	350	1400 1800 2600	388.9 500.0 722.2	42 40 33	740	280	78 80 82	3450
84	350WQ1800-43-315	350	1400 1800 2600	388.9 500.0 722.2	48 43 35	740	315	78 80 82	3650
85	350WQ1800-46-355	350	1400 1800 2600	388.9 500.0 722.2	50 46 38	740	355	78 80 82	3950
86	400WQ1500-5-30	400	1200 1500 2000	333.3 416.7 555.6	6 5 3	730	30	75 72 65	960
87	400WQ1500-6-37	400	1200 1500 2000	333.3 416.7 555.6	7 6 4.5	740	37	75 72 65	1020
88	400WQ1500-8-45	400	1200 1500 2000	333.3 416.7 555.6	10 8 6	740	45	78 80 78	1350
89	400WQ1500-10-55	400	1200 1500 2000	333.3 416.7 555.6	12 10 7	740	55	78 82 78	1470
90	400WQ1500-12-75	400	1200 1500 2000	333.3 416.7 555.6	14 12 9	990	75	75 78 72	1740
91	400WQ1500-15-90	400	1200 1500 2000	333.3 416.7 555.6	18 15 12	990	90	75 78 80	1860
92	400WQ1500-18-110	400	1200 1500 2000	333.3 416.7 555.6	21 18 14	990	110	70 78 75	1930
93	400WQ1500-22-132	400	1200 1500 2000	333.3 416.7 555.6	25 22 17	990	132	70 75 80	2020
94	400WQ2000-20-160	400	1500 2000 2800	416.7 555.6 777.8	23 20 15	990	160	75 80 77	2750
95	400WQ2000-23-185	400	1500 2000 2800	416.7 555.6 777.8	25 23 17	990	185	75 80 77	2800
96	400WQ2000-25-200	400	1500 2000 2800	416.7 555.6 777.8	30 25 19	745	200	75 80 78	2850
97	400WQ2000-28-220	400	1500 2000 2800	416.7 555.6 777.8	35 28 21	745	220	75 80 78	3050
98	400WQ2000-32-250	400	1500 2000 2800	416.7 555.6 777.8	38 32 25	745	250	78 80 82	3250
99	400WQ2000-36-280	400	1500 2000 2800	416.7 555.6 777.8	43 36 27	745	280	78 80 82	3450
100	400WQ2000-40-315	400	1500 2000 2800	416.7 555.6 777.8	44 40 35	740	315	78 80 82	3700
101	400WQ2000-45-355	400	1400 1800 2600	388.9 500.0 722.2	47 45 38	740	355	78 80 82	4050

WQ SERIES SUBMERSIBLE SEWAGE PUMP
WQ TYPE PUMP PERFORMANCE

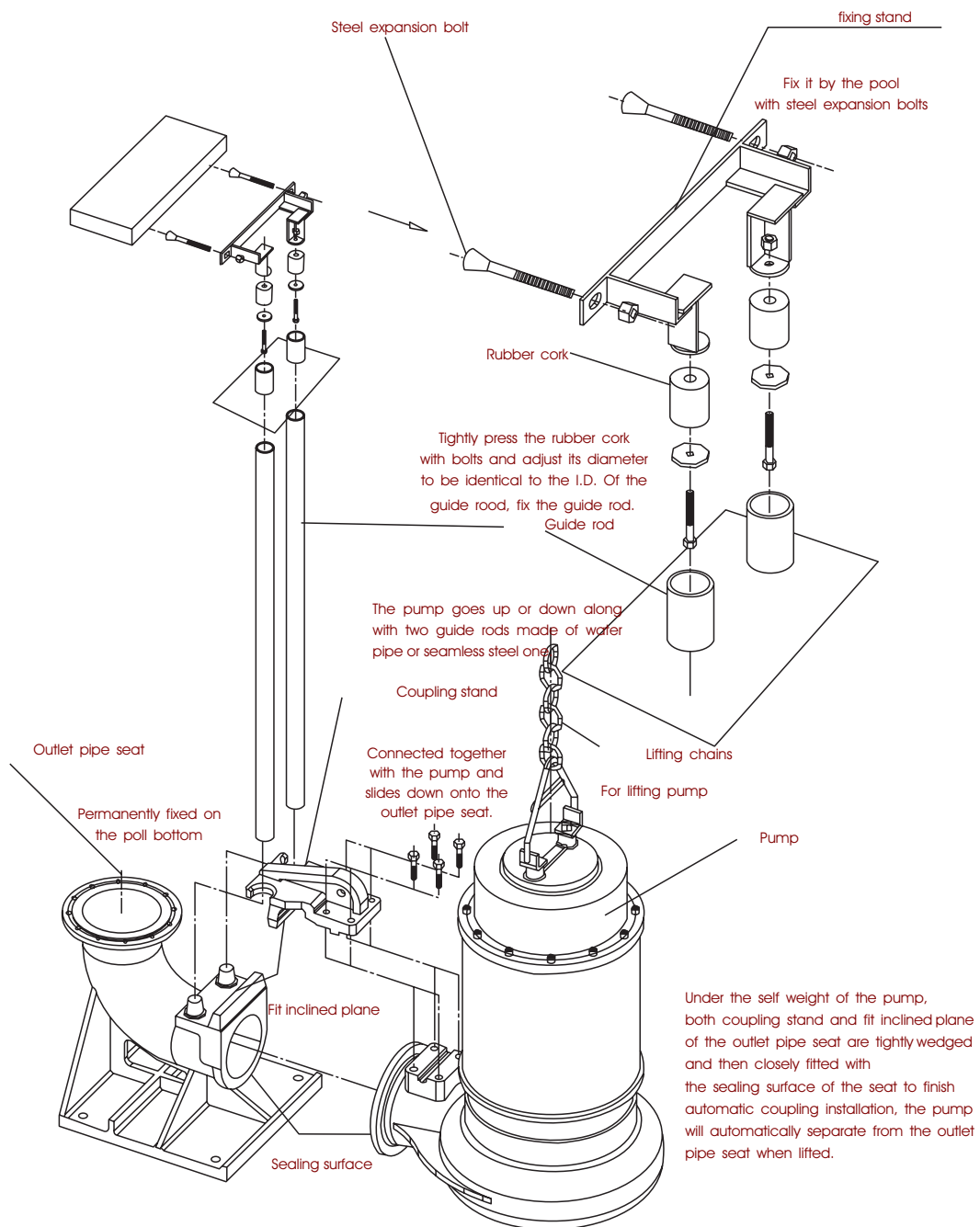
No.	Type	Outlet diameter (mm)	Capacity		Head (m)	Speed (r/min)	Power (kW)	Efficiency (%)	Weight (Kg)
			(m ³ /h)	(L/s)					
102	500WQ2000-7-55	500	1500 2000 3000	416.7 555.6 833.3	10 7 4	740	55	80 76.2 68	1950
103	500WQ2200-8-75	500	1800 2200 3000	500 611.1 833.3	10 8 5	980	75	75 70 65	2150
104	500WQ2200-10-90	500	1800 2200 3000	500 611.1 833.3	13 10 7	990	90	78 72 68	1920
105	500WQ2200-12-110	500	1800 2200 3000	500 611.1 833.3	15 12 8	990	110	75 72 68	1990
106	500WQ2200-15-132	500	1800 2200 3000	500 611.1 833.3	17 15 10	990	132	70 75 68	2070
107	500WQ3000-11-132	500	2000 3000 4000	555.6 833.3 1111.1	14 11 8	745	132	78 75 72	2210
108	500WQ3000-13-160	500	2000 3000 4000	555.6 833.3 1111.1	21 13 9	745	160	78 75 72	2900
109	500WQ3000-15-185	500	2000 3000 4000	555.6 833.3 1111.1	22 15 11	745	185	75 72 70	2950
110	500WQ3000-16-200	500	2000 3000 4000	555.6 833.3 1111.1	23 16 12	745	200	75 72 70	3000
111	500WQ3000-18-220	500	2000 3000 4000	555.6 833.3 1111.1	26 18 14	745	220	70 75 73	3200
112	500WQ3000-21-250	500	2000 3000 4000	555.6 833.3 1111.1	29 21 16	745	250	70 77 75	3400
113	500WQ3000-24-280	500	2000 3000 4000	555.6 833.3 1111.1	32 24 18	745	280	70 77 75	3600
114	600WQ3000-8-110	600	2500 3000 4000	694.4 833.3 1111.1	10 8 6	590	110	70 68 65	2900
115	600WQ3000-10-132	600	2500 3000 4000	694.4 833.3 1111.1	12 10 8	590	132	70 75 72	3000
116	600WQ4000-10-160	600	3000 4000 5000	833.3 1111.1 1388.9	13 10 8	745	160	78 75 73	3000
117	600WQ4000-11-185	600	3000 4000 6000	833.3 1111.1 1666.7	15 11 6	745	185	78 75 65	3050
118	600WQ4000-12-200	600	3000 4000 6000	833.3 1111.1 1666.7	16 12 7	745	200	75 72 65	3100
119	600WQ4000-14-220	600	3000 4000 6000	833.3 1111.1 1666.7	18 14 9	745	220	77 75 72	3300
120	600WQ4000-16-250	600	3000 4000 6000	833.3 1111.1 1666.7	21 16 10	745	250	75 78 73	3500
121	600WQ4000-18-280	600	3000 4000 6000	833.3 1111.1 1666.7	23 18 11	745	280	75 77 72	3750
122	600WQ4000-20-315	600	3000 4000 6000	833.3 1111.1 1666.7	25 20 13	745	315	75 77 73	4000

WQ TYPE PUMP INSTALLATION METHOD

Auto-coupled installation

The pump is placed down along with the guide rod and automatically connected to the drainage pipeline system. Less cost for mounting and lowering the cost for repair.

SCHEMATIC DRAWING OF COUPLING DEVICE INSTALLATION



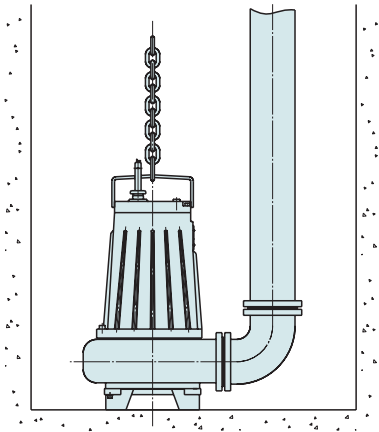
WQ TYPE PUMP INSTALLATION METHOD

2. Movable solid pipe installation

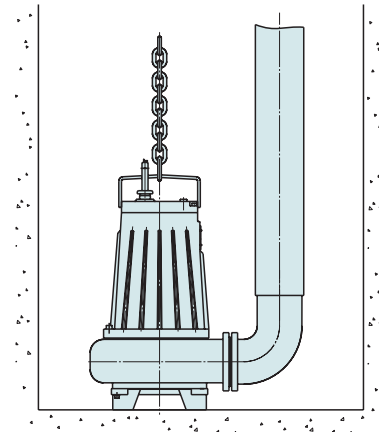
Pump is supported by its own weight. Rigid pipe connections and can be transferred to different wells

3. Movable flexible pipe installation

Pump is supported by its own weight. Flexible pipe connections, and can be transferred to different wells.



Movable solid pipe installation



Movable flexible pipe installation

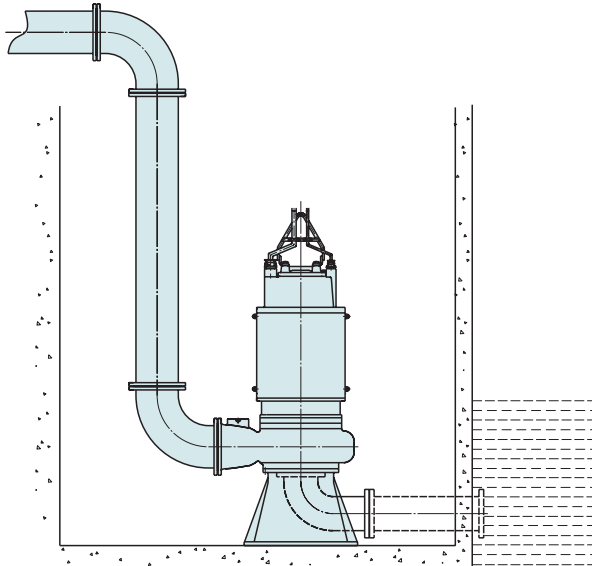
4. Fixed dry installation

Pump installations subject to flooding

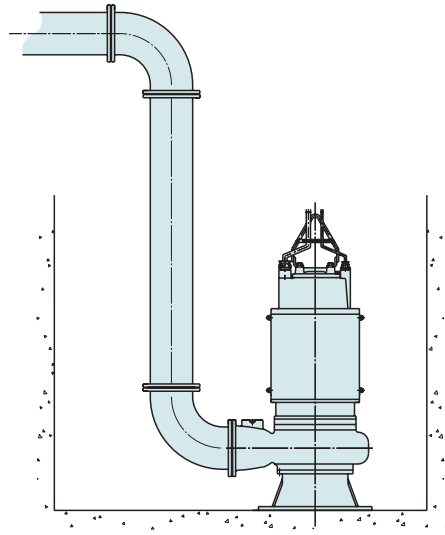
5. Fixed wet installation

Pump is supported by its foundation, and fixed permanently to the bottom of the well

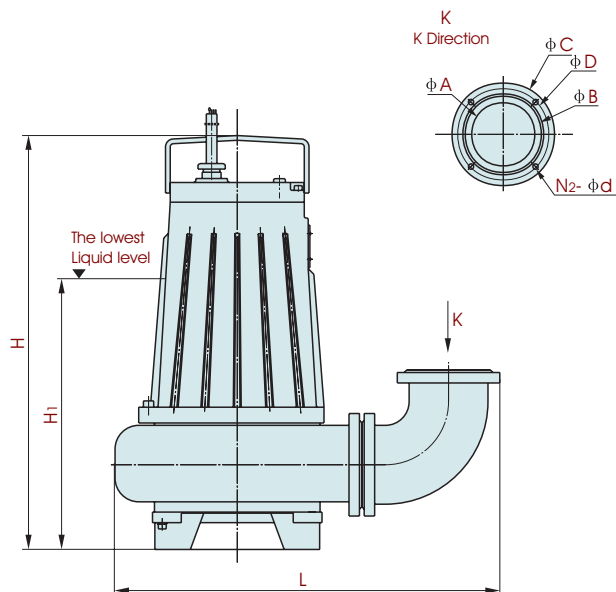
WQ TYPE PUMP INSTALLATION METHOD



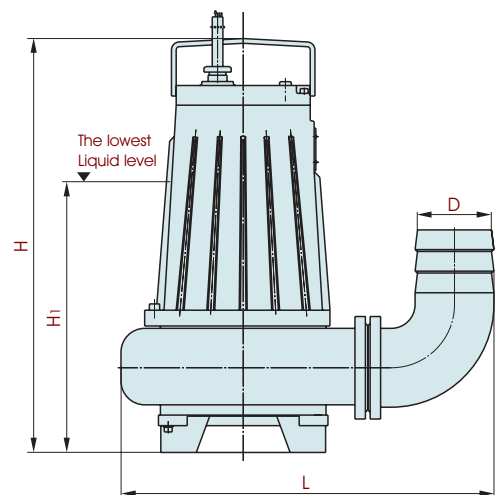
Fixed dry installation



Fixed wet installation



Hard pipe dimensions



Soft pipe dimensions

WQ SERIES SUBMERSIBLE SEWAGE PUMP
WQ TYPE PUMP DIMENSION TABLE

No.	Type	Hard pipe connection dimension								Soft pipe connection dimension			
		ϕA	ϕB	ϕC	ϕD	N2- ϕd	H	1H	L	ϕD	L	H	H ₁
1	50WQ15-8-0.75	50	90	140	110	4- $\phi 13.5$	575	380	495	60	460	575	380
2	50WQ15-12-1.1	50	90	140	110	4- $\phi 13.5$	575	380	495	60	460	575	380
3	50WQ15-16-1.5	50	90	140	110	4- $\phi 13.5$	605	385	495	60	460	605	385
4	50WQ15-22-2.2	50	90	140	110	4- $\phi 13.5$	605	385	495	60	460	605	385
5	50WQ15-30-3	50	90	140	110	4- $\phi 13.5$	665	420	520	60	485	665	420
6	50WQ25-25-4	50	90	140	110	4- $\phi 13.5$	675	515	520	60	485	675	515
7	50WQ25-32-5.5	50	90	140	110	4- $\phi 13.5$	760	515	650	60	615	760	515
8	50WQ25-36-7.5	50	90	140	110	4- $\phi 13.5$	760	515	650	60	615	760	515
9	65WQ30-10-2.2	65	110	160	130	4- $\phi 13.5$	685	460	610	74	550	685	460
10	65WQ30-15-3	65	110	160	130	4- $\phi 13.5$	685	460	610	74	550	685	460
11	65WQ30-22-4	65	110	160	130	4- $\phi 13.5$	695	465	680	74	620	695	465
12	65WQ30-30-5.5	65	110	160	130	4- $\phi 13.5$	760	515	680	74	620	760	515
13	65WQ30-35-7.5	65	110	160	130	4- $\phi 13.5$	760	515	680	74	620	760	515
14	80WQ50-8-2.2	80	128	190	150	4- $\phi 17.5$	755	470	700	86	600	755	470
15	80WQ50-10-3	80	128	190	150	4- $\phi 17.5$	755	470	700	86	600	755	470
16	80WQ50-15-4	80	128	190	150	4- $\phi 17.5$	765	470	700	86	600	765	470
17	80WQ50-20-5.5	80	128	190	150	4- $\phi 17.5$	830	515	740	86	640	830	515
18	80WQ50-25-7.5	80	128	190	150	4- $\phi 17.5$	830	515	740	86	640	830	515
19	100WQ80-7-3	100	148	210	170	4- $\phi 17.5$	755	515	720	100	618	755	515
20	100WQ80-10-4	100	148	210	170	4- $\phi 17.5$	765	515	720	100	618	765	515
21	100WQ80-13-5.5	100	148	210	170	4- $\phi 17.5$	830	565	770	100	668	830	565
22	100WQ80-18-7.5	100	148	210	170	4- $\phi 17.5$	830	565	770	100	668	830	565
23	150WQ150-7-5.5	150	202	265	225	8- $\phi 17.5$	885	550	910	150	853	885	550
24	150WQ150-10-7.5	150	202	265	225	8- $\phi 17.5$	885	550	910	150	853	885	550

WQ TYPE PUMP AUTO-COUPLED INSTALLATION DIMENSIONS TABLE

No.	Type	Φ A	Φ B	Φ C	Φ D	N ₂ - Φ d	H	H	1	H ₂	H ₃	H ₄ h	G	J	S	T	g	f	p	y	o	N ₁ - Φ d
1	50WQ15-8-0.75	50	90	140	110	4- Φ 13.5	495	215	50	—	430	20	65	105	55	315	260	310	230	210	—	4- Φ 20
2	50WQ15-12-1.1	50	90	140	110	4- Φ 13.5	495	215	50	—	430	20	65	105	55	315	260	310	230	210	—	4- Φ 20
3	50WQ15-16-1.5	50	90	140	110	4- Φ 13.5	525	215	50	—	430	20	65	105	55	315	260	310	230	210	—	4- Φ 20
4	50WQ15-22-2.2	50	90	140	110	4- Φ 13.5	525	215	50	—	430	20	65	105	55	315	260	310	230	210	—	4- Φ 20
5	50WQ15-30-3	50	90	140	110	4- Φ 13.5	585	215	50	—	490	20	65	105	55	340	260	310	230	210	—	4- Φ 20
6	50WQ25-25-4	50	90	140	110	4- Φ 13.5	595	215	50	—	530	20	65	105	55	340	260	310	230	210	—	4- Φ 20
7	50WQ25-32-5.5	50	90	140	110	4- Φ 13.5	680	215	50	—	555	20	65	105	55	395	260	310	230	210	—	4- Φ 20
8	50WQ25-36-7.5	50	90	140	110	4- Φ 13.5	680	215	50	—	555	20	65	105	55	395	260	310	230	210	—	4- Φ 20
9	65WQ30-10-2.2	65	110	160	130	4- Φ 13.5	605	240	65	—	545	20	80	120	55	365	275	310	250	225	—	4- Φ 20
10	65WQ30-15-3	65	110	160	130	4- Φ 13.5	605	240	65	—	545	20	80	120	55	365	275	310	250	225	—	4- Φ 20
11	65WQ30-22-4	65	110	160	130	4- Φ 13.5	615	240	65	—	565	20	80	120	55	395	275	310	250	225	—	4- Φ 20
12	65WQ30-30-5.5	65	110	160	130	4- Φ 13.5	680	240	65	—	615	20	80	120	55	395	275	310	250	225	—	4- Φ 20
13	65WQ30-35-7.5	65	110	160	130	4- Φ 13.5	680	240	65	—	615	20	80	120	55	395	275	310	250	225	—	4- Φ 20
14	80WQ50-8-2.2	80	128	190	150	4- Φ 17.5	635	275	80	—	595	25	70	175	90	455	290	340	255	260	—	4- Φ 20
15	80WQ50-10-3	80	128	190	150	4- Φ 17.5	635	275	80	—	595	25	70	175	90	455	290	340	255	260	—	4- Φ 20
16	80WQ50-15-4	80	128	190	150	4- Φ 17.5	645	275	80	—	615	25	70	175	90	455	290	340	255	260	—	4- Φ 20
17	80WQ50-20-5.5	80	128	190	150	4- Φ 17.5	710	275	80	—	660	25	70	175	90	475	290	340	255	260	—	4- Φ 20
18	80WQ50-25-7.5	80	128	190	150	4- Φ 17.5	710	275	80	—	660	25	70	175	90	475	290	340	255	260	—	4- Φ 20
19	80WQ50-35-11	80	128	190	150	4- Φ 17.5	915	275	80	—	790	25	70	175	90	455	290	340	255	260	—	4- Φ 20
20	80WQ50-40-15	80	128	190	150	4- Φ 17.5	915	275	80	—	790	25	70	175	90	455	290	340	255	260	—	4- Φ 20
21	100WQ80-7-3	100	148	210	170	4- Φ 17.5	635	330	100	—	650	25	90	215	90	465	340	410	305	310	—	4- Φ 20
22	100WQ80-10-4	100	148	210	170	4- Φ 17.5	645	330	100	—	650	25	90	215	90	465	340	410	305	310	—	4- Φ 20
23	100WQ80-13-5.5	100	148	210	170	4- Φ 17.5	710	330	100	—	690	25	90	215	90	505	340	410	305	310	—	4- Φ 20
24	100WQ80-18-7.5	100	148	210	170	4- Φ 17.5	710	330	100	—	690	25	90	215	90	505	340	410	305	310	—	4- Φ 20
25	100WQ80-24-11	100	148	210	170	4- Φ 17.5	915	330	100	—	825	25	90	215	90	485	340	410	305	310	—	4- Φ 20
26	100WQ80-32-15	100	148	210	170	4- Φ 17.5	915	330	100	—	825	25	90	215	90	485	340	410	305	310	—	4- Φ 20
27	100WQ80-36-18.5	100	148	210	170	4- Φ 17.5	915	330	100	—	825	25	90	215	90	485	340	410	305	310	—	4- Φ 20

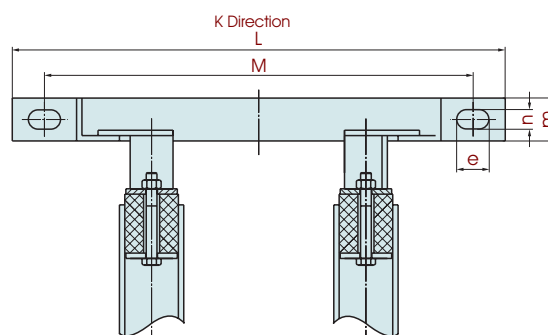
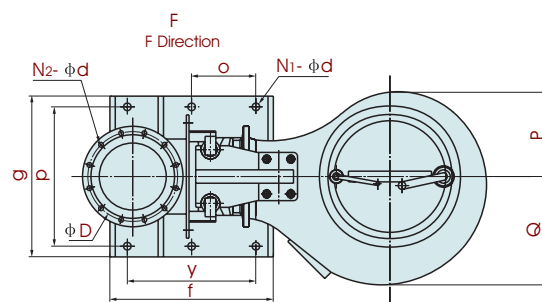
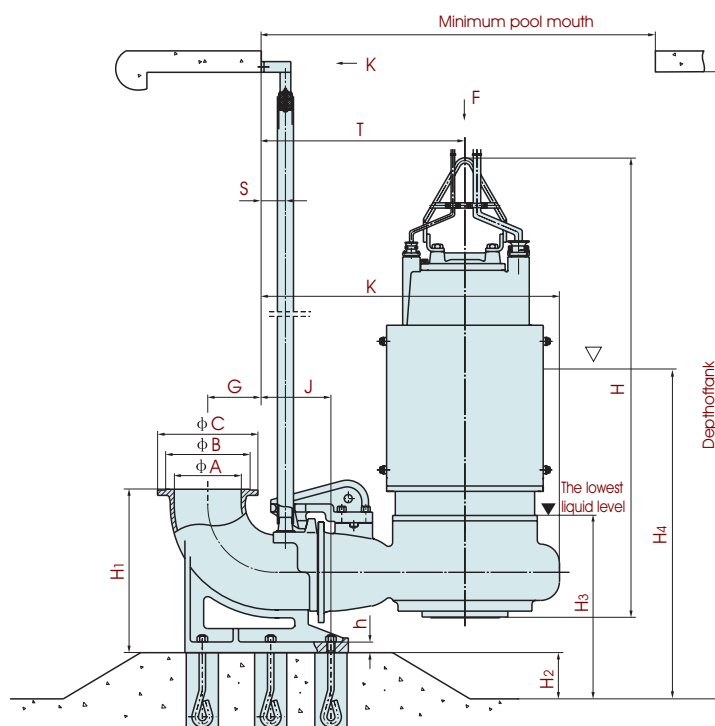


AMEGA PUMPS

WQ SERIES SUBMERSIBLE SEWAGE PUMP

WQ TYPE PUMP AUTO-COUPLED INSTALLATION DIMENSIONS TABLE

P	Q	K	L	M	e	n	m	E
98	108	420	260	210	30	18	40	700×570
98	108	420	260	210	30	18	40	700×570
98	108	420	260	210	30	18	40	700×570
98	108	420	260	210	30	18	40	700×570
118	127	465	260	210	30	18	40	850×700
118	127	465	260	210	30	18	40	850×700
195	210	500	260	210	30	18	40	850×700
195	210	500	260	210	30	18	40	850×700
152	173	527	260	210	30	18	40	850×700
152	173	527	260	210	30	18	40	850×700
194	210	596	260	210	30	18	40	900×750
194	210	596	260	210	30	18	40	900×750
194	210	596	260	210	30	18	40	900×750
163	190	630	380	320	30	18	40	850×700
163	190	630	380	320	30	18	40	850×700
163	190	630	380	320	30	18	40	850×700
185	205	670	380	320	30	18	40	900×750
185	205	670	380	320	30	18	40	900×750
163	180	625	380	320	30	18	40	900×750
163	180	625	380	320	30	18	40	900×750
169	202	650	380	320	30	18	40	950×750
169	202	650	380	320	30	18	40	950×750
180	207	700	380	320	30	18	40	950×750
180	207	700	380	320	30	18	40	950×750
163	186	655	380	320	30	18	40	950×750
163	186	655	380	320	30	18	40	950×750
163	186	655	380	320	30	18	40	1000×700



WQ TYPE PUMP AUTO-COUPLED INSTALLATION DIMENSIONS TABLE

No.	Type	Φ A	Φ B	Φ C	Φ D	N2- Φ d	H	H	1	H2	H3	H4h	G	J	S	T	g	f	p	y	o	N1- Φ d
28	100WQ80-40-22	100	148	210	170	4- Φ 17.5	960	330	100	—	825	25	90	215	90	485	340	410	305	310	—	4- Φ 20
29	150WQ150-7-5.5	150	202	265	225	8- Φ 17.5	765	485	150	—	845	35	125	260	90	545	480	500	440	400	—	4- Φ 20
30	150WQ150-10-7.5	150	202	265	225	8- Φ 17.5	765	485	150	—	845	35	125	260	90	545	480	500	440	400	—	4- Φ 20
31	150WQ150-15-11	150	202	265	225	8- Φ 17.5	1005	485	150	—	985	35	125	260	90	545	480	500	440	400	—	4- Φ 20
32	150WQ150-20-15	150	202	265	225	8- Φ 17.5	1005	485	150	—	985	35	125	260	90	545	480	500	440	400	—	4- Φ 20
33	150WQ150-25-18.5	150	202	265	225	8- Φ 17.5	1085	485	150	—	1035	35	125	260	90	595	480	500	440	400	—	4- Φ 20
34	150WQ150-30-22	150	202	265	225	8- Φ 17.5	1085	485	150	—	1035	35	125	260	90	595	480	500	440	400	—	4- Φ 20
35	150WQ150-40-30	150	202	265	225	8- Φ 17.5	1495	485	150	530	1155	35	125	260	90	595	480	500	440	400	—	4- Φ 20
36	150WQ150-45-37	150	202	265	225	8- Φ 17.5	1605	485	150	530	1175	35	125	260	90	645	480	500	440	400	—	4- Φ 20
37	150WQ150-50-45	150	202	265	225	8- Φ 17.5	1605	485	150	530	1175	35	125	260	90	645	480	500	440	400	—	4- Φ 20
38	150WQ100-60-55	150	202	265	225	8- Φ 17.5	1605	485	150	530	1175	35	125	260	90	645	480	500	440	400	—	4- Φ 20
39	200WQ300-7-11	200	260	320	280	8- Φ 17.5	1020	570	200	—	1050	30	200	260	90	600	550	610	500	470	—	4- Φ 30
40	200WQ300-10-15	200	260	320	280	8- Φ 17.5	1020	570	200	—	1050	30	200	260	90	600	550	610	500	470	—	4- Φ 30
41	200WQ300-13-18.5	200	260	320	280	8- Φ 17.5	1085	570	200	—	1120	30	200	260	90	600	550	610	500	470	—	4- Φ 30
42	200WQ300-15-22	200	260	320	280	8- Φ 17.5	1085	570	200	—	1120	30	200	260	90	600	550	610	500	470	—	4- Φ 30
43	200WQ300-20-30	200	260	320	280	8- Φ 17.5	1650	570	200	670	1300	30	200	260	90	700	550	610	500	470	—	4- Φ 30
44	200WQ300-25-37	200	260	320	280	8- Φ 17.5	1650	570	200	670	1300	30	200	260	90	700	550	610	500	470	—	4- Φ 30
45	200WQ400-27-45	200	260	320	280	8- Φ 17.5	1685	570	200	670	1300	30	200	260	90	700	550	610	500	470	—	4- Φ 30
46	200WQ400-34-55	200	260	320	280	8- Φ 17.5	1685	570	200	670	1300	30	200	260	90	700	550	610	500	470	—	4- Φ 30
47	200WQ400-40-75	200	260	320	280	8- Φ 17.5	1805	570	250	670	1420	30	200	260	90	700	550	610	500	470	—	4- Φ 30
48	200WQ400-48-90	200	260	320	280	8- Φ 17.5	1805	570	250	670	1420	30	200	260	90	700	550	610	500	470	—	4- Φ 30
49	250WQ400-7-15	250	312	375	335	12- Φ 17.5	1045	610	250	—	1150	40	200	260	90	630	600	610	520	480	—	4- Φ 30
50	250WQ400-10-18.5	250	312	375	335	12- Φ 17.5	1085	610	250	—	1200	40	200	260	90	630	600	610	520	480	—	4- Φ 30
51	250WQ400-13-22	250	312	375	335	12- Φ 17.5	1085	610	250	—	1200	40	200	260	90	630	600	610	520	480	—	4- Φ 30
52	250WQ500-10-30	250	312	375	335	12- Φ 17.5	1650	610	250	740	1380	40	200	260	90	760	600	610	520	480	—	4- Φ 30
53	250WQ500-16-37	250	312	375	335	12- Φ 17.5	1650	610	250	740	1380	40	200	260	90	760	600	610	520	480	—	4- Φ 30
54	250WQ500-20-45	250	312	375	335	12- Φ 17.5	1735	610	250	740	1430	40	200	260	90	760	600	610	520	480	—	4- Φ 30

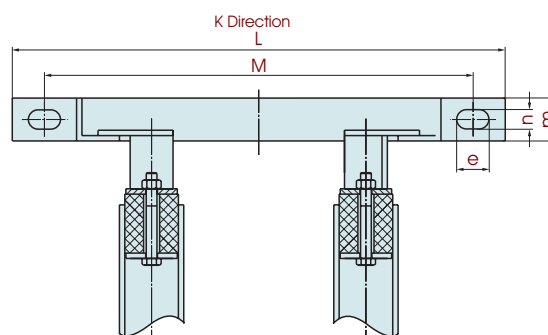
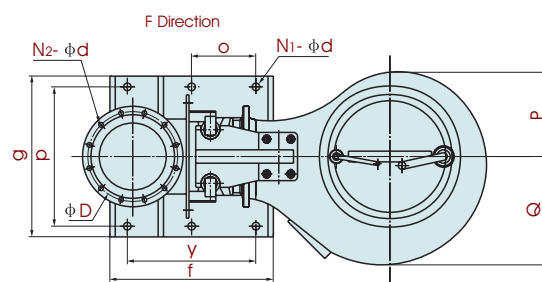
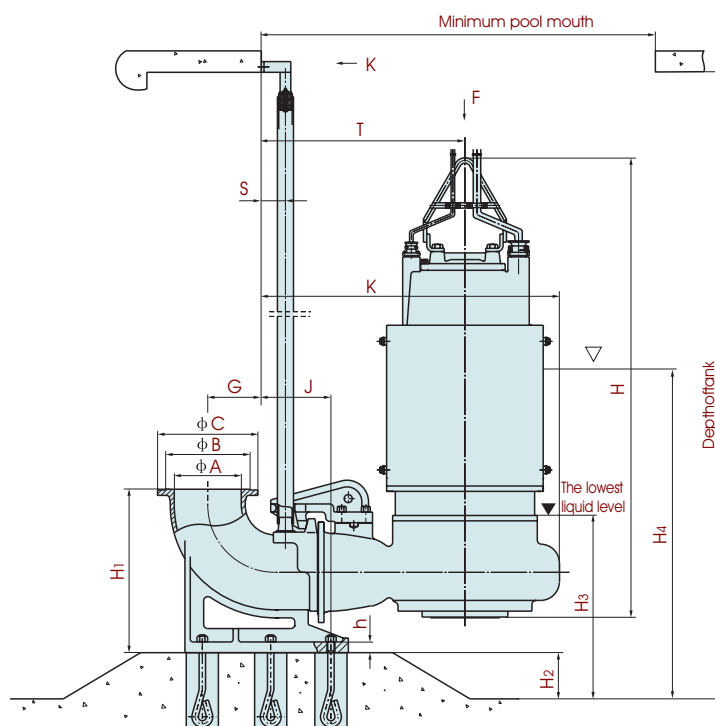


AMEGA PUMPS

WQ SERIES SUBMERSIBLE SEWAGE PUMP

WQ TYPE PUMP AUTO-COUPLED INSTALLATION DIMENSIONS TABLE

P	Q	K	L	M	e	n	m	E
163	186	655	380	320	30	18	40	1000×700
203	250	772	380	320	30	18	40	950×750
203	250	772	380	320	30	18	40	950×750
203	250	772	380	320	30	18	40	950×750
203	250	772	380	320	30	18	40	950×750
233	262	840	380	320	30	18	40	1100×800
233	262	840	380	320	30	18	40	1100×800
233	262	840	380	320	30	18	40	1300×1000
288	316	945	380	320	30	18	40	1300×1000
288	316	945	380	320	30	18	40	1400×1100
288	316	945	380	320	30	18	40	1400×1100
239	318	878	460	400	30	18	40	1000×700
239	318	878	460	400	30	18	40	1000×700
239	318	878	460	400	30	18	40	1150×900
239	318	878	460	400	30	18	40	1150×900
309	376	1042	460	400	30	18	40	1300×1000
309	376	1042	460	400	30	18	40	1300×1000
309	376	1042	460	400	30	18	40	1300×1000
309	376	1042	460	400	30	18	40	1300×1000
309	376	1042	460	400	30	18	40	1300×1000
309	376	1042	460	400	30	18	40	1400×1100
309	376	1042	460	400	30	18	40	1400×1100
253	333	923	460	400	30	18	40	1150×900
253	333	923	460	400	30	18	40	1150×900
253	333	923	460	400	30	18	40	1150×900
319	404	1098	460	400	30	18	40	1300×1000
319	404	1098	460	400	30	18	40	1300×1000
319	404	1098	460	400	30	18	40	1300×1000



WQ TYPE PUMP AUTO-COUPLED INSTALLATION DIMENSIONS TABLE

No.	Type	Φ A	Φ B	Φ C	Φ D	N ₂ -Φ d	H	H	1	H ₂	H ₃	H ₄ h	G	J	S	T	g	f	p	y	o	N ₁ -Φ d
55	250WQ500-25-55	250	312	375	335	12-Φ 17.5	1735	610	250	740	1430	40	200	260	90	760	600	610	520	480	—	4-Φ 30
56	250WQ600-28-75	250	312	375	335	12-Φ 17.5	1805	610	250	740	1430	40	200	260	90	760	600	610	520	480	—	4-Φ 30
57	250WQ600-34-90	250	312	375	335	12-Φ 17.5	1805	610	250	740	1430	40	200	260	90	760	600	610	520	480	—	4-Φ 30
58	250WQ600-40-110	250	312	375	335	12-Φ 17.5	2020	610	250	740	1650	40	200	260	90	760	600	610	520	480	—	4-Φ 30
59	250WQ600-50-132	250	312	375	335	12-Φ 17.5	2020	610	250	740	1650	40	200	260	90	760	600	610	520	480	—	4-Φ 30
60	300WQ600-6-18.5	300	365	440	395	12-Φ 22	1115	720	250	—	1320	45	250	330	90	700	880	870	780	770	—	4-Φ 30
61	300WQ600-7-22	300	365	440	395	12-Φ 22	1115	720	250	—	1320	45	250	330	90	700	880	870	780	770	—	4-Φ 30
62	300WQ700-11-30	300	365	440	395	12-Φ 22	1680	720	300	840	1500	45	250	330	90	770	880	870	780	770	—	4-Φ 30
63	300WQ700-14-37	300	365	440	395	12-Φ 22	1680	720	300	840	1500	45	250	330	90	770	880	870	780	770	—	4-Φ 30
64	300WQ700-16-45	300	365	440	395	12-Φ 22	1765	720	300	840	1550	45	250	330	90	770	880	870	780	770	—	4-Φ 30
65	300WQ700-19-55	300	365	440	395	12-Φ 22	1765	720	300	840	1550	45	250	330	90	770	880	870	780	770	—	4-Φ 30
66	300WQ1000-20-75	300	365	440	395	12-Φ 22	2045	720	300	840	1760	45	250	330	90	920	880	870	780	770	—	4-Φ 30
67	300WQ1000-24-90	300	365	440	395	12-Φ 22	2045	720	300	840	1760	45	250	330	90	920	880	870	780	770	—	4-Φ 30
68	300WQ1000-28-110	300	365	440	395	12-Φ 22	2050	720	300	840	1790	45	250	330	90	770	880	870	780	770	—	4-Φ 30
69	300WQ1000-35-132	300	365	440	395	12-Φ 22	2050	720	300	840	1790	45	250	330	90	770	880	870	780	770	—	4-Φ 30
70	350WQ1200-6-30	350	415	490	445	12-Φ 22	1745	820	350	1000	1610	45	335	315	125	915	880	870	780	770	—	4-Φ 30
71	350WQ1200-8-37	350	415	490	445	12-Φ 22	1830	820	350	1000	1670	45	335	315	125	915	880	870	780	770	—	4-Φ 30
72	350WQ1100-10-45	350	415	490	445	12-Φ 22	1830	820	350	1000	1670	45	335	315	125	915	880	870	780	770	—	4-Φ 30
73	350WQ1100-12-55	350	415	490	445	12-Φ 22	2115	820	350	1000	1900	45	335	315	125	915	880	870	780	770	—	4-Φ 30
74	350WQ1100-16-75	350	415	490	445	12-Φ 22	2045	820	350	1000	1900	45	335	315	125	965	880	870	780	770	—	4-Φ 30
75	350WQ1100-20-90	350	415	490	445	12-Φ 22	2045	820	350	1000	1900	45	335	315	125	965	880	870	780	770	—	4-Φ 30
76	350WQ1100-25-110	350	415	490	445	12-Φ 22	2350	820	350	1000	1900	45	335	315	125	965	880	870	780	770	—	4-Φ 30
77	350WQ1100-30-132	350	415	490	445	12-Φ 22	2350	820	350	1000	1900	45	335	315	125	965	880	870	780	770	—	4-Φ 30
78	350WQ1100-36-160	350	415	490	445	12-Φ 22	2350	820	350	1000	1900	45	335	315	125	965	880	870	780	770	—	4-Φ 30
79	350WQ1500-30-185	350	415	490	445	12-Φ 22	2350	820	350	1000	1900	45	335	315	125	965	880	870	780	770	—	4-Φ 30
80	350WQ1500-32-200	350	415	490	445	12-Φ 22	2660	820	350	1000	1990	45	335	315	125	1115	880	870	780	770	—	4-Φ 30
81	350WQ1500-35-220	350	415	490	445	12-Φ 22	2660	820	350	1000	1990	45	335	315	125	1115	880	870	780	770	—	4-Φ 30

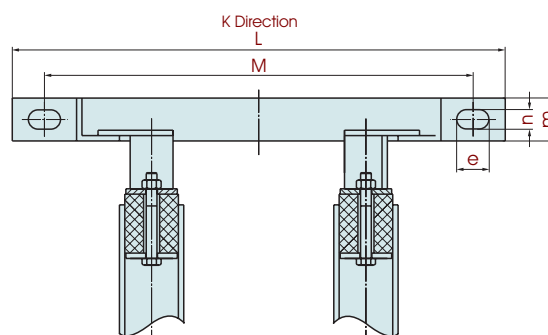
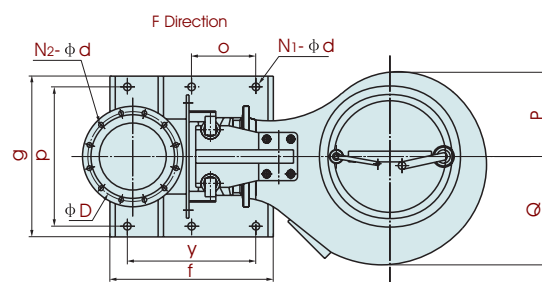
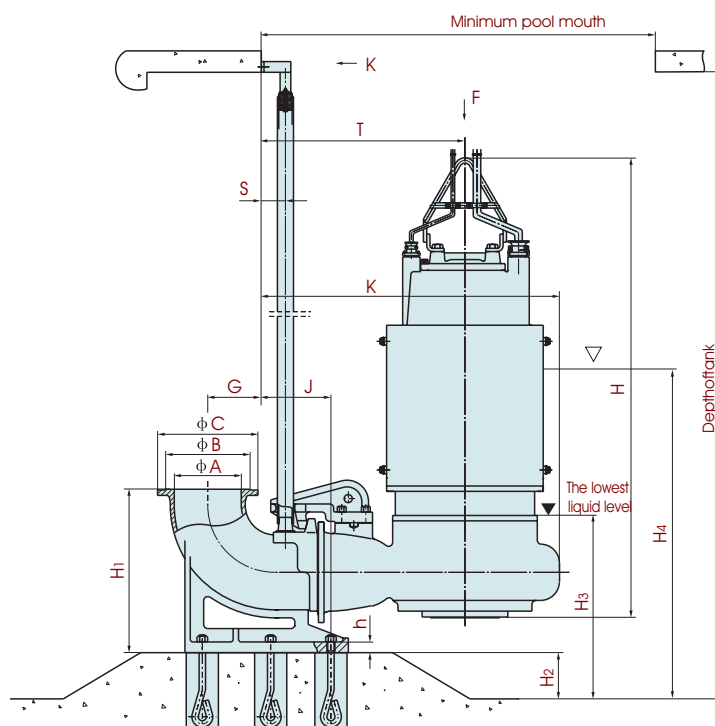


AMEGA PUMPS

WQ SERIES SUBMERSIBLE SEWAGE PUMP

WQ TYPE PUMP AUTO-COUPLED INSTALLATION DIMENSIONS TABLE

P	Q	K	L	M	e	n	m	E
319	404	1098	460	400	30	18	40	1300×1000
319	404	1098	460	400	30	18	40	1300×1000
319	404	1098	460	400	30	18	40	1300×1000
319	404	1098	460	400	30	18	40	1300×1000
319	404	1098	460	400	30	18	40	1300×1000
300	400	1050	460	400	30	18	40	1150×950
300	400	1050	460	400	30	18	40	1150×950
349	473	1178	460	400	30	18	40	1400×1100
349	473	1178	460	400	30	18	40	1400×1100
349	473	1178	460	400	30	18	40	1400×1100
349	473	1178	460	400	30	18	40	1400×1100
349	473	1178	460	400	30	18	40	1400×1100
375	488	1351	460	400	30	18	40	1600×1300
375	488	1351	460	400	30	18	40	1600×1300
349	473	1178	460	400	30	18	40	1600×1300
349	473	1178	460	400	30	18	40	1600×1300
363	499	1346	640	580	30	18	60	1600×1300
363	499	1346	640	580	30	18	60	1600×1300
363	499	1346	640	580	30	18	60	1600×1300
363	499	1346	640	580	30	18	60	1600×1300
375	488	1396	640	580	30	18	60	1700×1400
375	488	1396	640	580	30	18	60	1700×1400
388	523	1422	640	580	30	18	60	1700×1400
388	523	1422	640	580	30	18	60	1700×1400
388	523	1422	640	580	30	18	60	1900×1500
547	645	1715	640	580	30	18	60	1600×1300
547	645	1715	640	580	30	18	60	1600×1300
547	645	1715	640	580	30	18	60	1600×1300



WQ TYPE PUMP AUTO-COUPLED INSTALLATION DIMENSIONS TABLE

No.	Type	Φ A	Φ B	Φ C	Φ D	N ₂ - Φ d	H	H	1	H ₂	H ₃	H ₄ h	G	J	S	T	g	f	p	y	o	N ₁ - Φ d
82	350WQ1500-40-250	350	415	490	445	12- Φ 22	2885	820	350	1000	2215	45	335	315	125	1115	880	870	780	770	—	4- Φ 30
83	350WQ1800-40-280	350	415	490	445	12- Φ 22	2885	820	350	1000	2215	45	335	315	125	1115	880	870	780	770	—	4- Φ 30
84	350WQ1800-43-315	350	415	490	445	12- Φ 22	2885	820	350	900	2215	45	335	315	125	1115	880	870	780	770	—	4- Φ 30
85	350WQ1800-46-355	350	415	490	445	12- Φ 22	2885	820	350	900	2215	45	335	315	125	1115	880	870	780	770	—	4- Φ 30
86	400WQ1500-5-30	400	482	565	515	16- Φ 26	1745	940	400	1100	1730	50	480	370	125	965	880	950	780	850	425	6- Φ 40
87	400WQ1500-6-37	400	482	565	515	16- Φ 26	1830	940	400	1100	1730	50	480	370	125	965	880	950	780	850	425	6- Φ 40
88	400WQ1500-8-45	400	482	565	515	16- Φ 26	1830	940	400	1100	1730	50	480	370	125	965	880	950	780	850	425	6- Φ 40
89	400WQ1500-10-55	400	482	565	515	16- Φ 26	2115	940	400	1100	1880	50	480	370	125	965	880	950	780	850	425	6- Φ 40
90	400WQ1500-12-75	400	482	565	515	16- Φ 26	2115	940	400	1100	1880	50	480	370	125	965	880	950	780	850	425	6- Φ 40
91	400WQ1500-15-90	400	482	565	515	16- Φ 26	2115	940	400	1100	1880	50	480	370	125	965	880	950	780	850	425	6- Φ 40
92	400WQ1500-18-110	400	482	565	515	16- Φ 26	2115	940	400	1100	1880	50	480	370	125	965	880	950	780	850	425	6- Φ 40
93	400WQ1500-22-132	400	482	565	515	16- Φ 26	2395	940	400	1100	1880	50	480	370	125	965	880	950	780	850	425	6- Φ 40
94	400WQ2000-20-160	400	482	565	515	16- Φ 26	2395	940	400	1100	1880	50	480	370	125	965	880	950	780	850	425	6- Φ 40
95	400WQ2000-23-185	400	482	565	515	16- Φ 26	2395	940	400	1100	1880	50	480	370	125	965	880	950	780	850	425	6- Φ 40
96	400WQ2000-25-200	400	482	565	515	16- Φ 26	2660	940	400	1100	1990	50	480	370	125	1115	880	950	780	850	425	6- Φ 40
97	400WQ2000-28-220	400	482	565	515	16- Φ 26	2660	940	400	1100	1990	50	480	370	125	1115	880	950	780	850	425	6- Φ 40
98	400WQ2000-32-250	400	482	565	515	16- Φ 26	2885	940	400	1100	2210	50	480	370	125	1115	880	950	780	850	425	6- Φ 40
99	400WQ2000-36-280	400	482	565	515	16- Φ 26	2885	940	400	1100	2210	50	480	370	125	1115	880	950	780	850	425	6- Φ 40
100	400WQ2000-40-315	400	482	565	515	16- Φ 26	2885	940	400	1100	2210	50	480	370	125	1115	880	950	780	850	425	6- Φ 40
101	400WQ2000-45-355	400	482	565	515	16- Φ 26	2885	940	400	1100	2210	50	480	370	125	1115	880	950	780	850	425	6- Φ 40
102	500WQ2000-7-55	500	585	670	620	20- Φ 26	2115	1120	500	1300	2060	55	510	355	125	1040	1210	1300	1090	1180	590	6- Φ 50
103	500WQ2200-8-75	500	585	670	620	20- Φ 26	2115	1120	500	1300	2060	55	510	355	125	1040	1210	1300	1090	1180	590	6- Φ 50
104	500WQ2200-10-90	500	585	670	620	20- Φ 26	2115	1120	500	1300	2060	55	510	355	125	1040	1210	1300	1090	1180	590	6- Φ 50
105	500WQ2200-12-110	500	585	670	620	20- Φ 26	2115	1120	500	1300	2060	55	510	355	125	1040	1210	1300	1090	1180	590	6- Φ 50
106	500WQ2200-15-132	500	585	670	620	20- Φ 26	2115	1120	500	1300	2200	55	510	355	125	1340	1210	1300	1090	1180	590	6- Φ 50
107	500WQ3000-11-132	500	585	670	620	20- Φ 26	2815	1120	500	1300	2200	55	510	355	125	1340	1210	1300	1090	1180	590	6- Φ 50
108	500WQ3000-13-160	500	585	670	620	20- Φ 26	2815	1120	500	1300	2200	55	510	355	125	1340	1210	1300	1090	1180	590	6- Φ 50

[illegible]

WQ TYPE PUMP AUTO-COUPLED INSTALLATION DIMENSIONS TABLE

No.	Type	Φ A	Φ B	Φ C	Φ D	N ₂ - Φ d	H	H	1	H ₂	H ₃	H ₄ h	G	J	S	T	g	f	p	y	o	N ₁ - Φ d
109	500WQ3000-15-185	500	585	670	620	20- Φ 26	2815	1120	500	1300	2200	55	510	355	125	1340	1210	1300	1090	1180	590	6- Φ 50
110	500WQ3000-16-200	500	585	670	620	20- Φ 26	2815	1120	500	1300	2200	55	510	355	125	1340	1210	1300	1090	1180	590	6- Φ 50
111	500WQ3000-18-220	500	585	670	620	20- Φ 26	2815	1120	500	1300	2200	55	510	355	125	1340	1210	1300	1090	1180	590	6- Φ 50
112	500WQ3000-21-250	500	585	670	620	20- Φ 26	3040	1120	500	1300	2200	55	510	355	125	1340	1210	1300	1090	1180	590	6- Φ 50
113	500WQ3000-24-280	500	585	670	620	20- Φ 26	3040	1120	500	1300	2200	55	510	355	125	1340	1210	1300	1090	1180	590	6- Φ 50
114	600WQ3000-8-110	600	685	780	725	20- Φ 30	2815	1280	600	1530	2400	55	540	475	125	1320	1210	1300	1090	1180	590	6- Φ 50
115	600WQ3000-10-132	600	685	780	725	20- Φ 30	2815	1280	600	1530	2400	55	540	475	125	1320	1210	1300	1090	1180	590	6- Φ 50
116	600WQ4000-10-160	600	685	780	725	20- Φ 30	2815	1280	600	1530	2400	55	540	475	125	1320	1210	1300	1090	1180	590	6- Φ 50
117	600WQ4000-11-185	600	685	780	725	20- Φ 30	2815	1280	600	1530	2400	55	540	475	125	1320	1210	1300	1090	1180	590	6- Φ 50
118	600WQ4000-12-200	600	685	780	725	20- Φ 30	2815	1280	600	1530	2400	55	540	475	125	1320	1210	1300	1090	1180	590	6- Φ 50
119	600WQ4000-14-220	600	685	780	725	20- Φ 30	2815	1280	600	1530	2400	55	540	475	125	1320	1210	1300	1090	1180	590	6- Φ 50
120	600WQ4000-16-250	600	685	780	725	20- Φ 30	3040	1280	600	1530	2625	55	540	475	125	1320	1210	1300	1090	1180	590	6- Φ 50
121	600WQ4000-18-280	600	685	780	725	20- Φ 30	3040	1280	600	1530	2625	55	540	475	125	1320	1210	1300	1090	1180	590	6- Φ 50
122	600WQ4000-20-315	600	685	780	725	20- Φ 30	3040	1280	600	1530	2625	55	540	475	125	1320	1210	1300	1090	1180	590	6- Φ 50

LEAD RAIL LENGTH AND POOL DEPTH TABLE

dia	leader type	lead rail length	dia	leader type	lead rail length
50	1'	pool depth -230mm	100	2'	pool depth -410mm
65	1'	pool depth -265mm	150	2'	pool depth -530mm
80	2'	pool depth -310mm	200	2'	pool depth -610mm

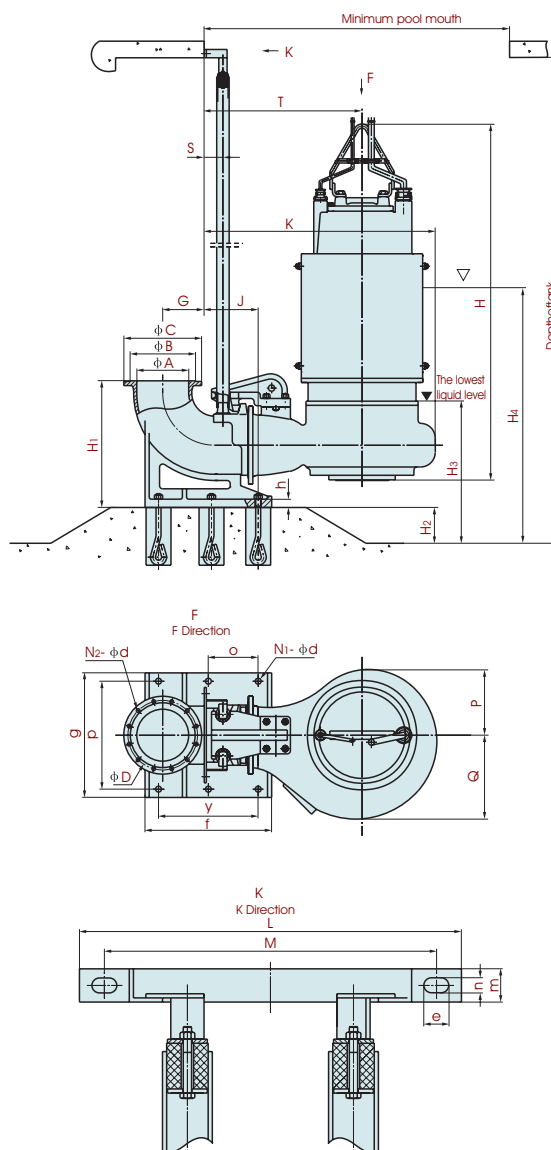


AMEGA PUMPS

WQ SERIES SUBMERSIBLE SEWAGE PUMP

WQ TYPE PUMP AUTO-COUPLED INSTALLATION DIMENSIONS TABLE

P	Q	K	L	M	e	n	m	E
575	815	2000	640	580	30	18	60	1900×1600
575	815	2000	640	580	30	18	60	1900×1600
555	740	1940	640	580	30	18	60	2100×1800
555	740	1940	640	580	30	18	60	2100×1800
555	740	1940	640	580	30	18	60	2100×1800
575	815	2000	640	580	30	18	60	2200×1900
575	815	2000	640	580	30	18	60	2200×1900
575	815	2000	640	580	30	18	60	2200×1900
575	815	2000	640	580	30	18	60	2200×1900
575	815	2000	640	580	30	18	60	2200×1900
552	802	1902	640	580	30	18	60	2200×1900
552	802	1902	640	580	30	18	60	2200×1900
552	802	1902	640	580	30	18	60	2200×1900
552	802	1902	640	580	30	18	60	2200×1900



LEAD RAIL LENGTH AND POOL DEPTH TABLE

dia	leader type	lead rail length	dia	leader type	lead rail length
250	2'	pool depth -730mm	400	3'	pool depth -1160mm
300	2'	pool depth -890mm	500	3'	pool depth -1390mm
350	3'	pool depth -1020mm	600	3'	pool depth -1610mm

WQ TYPE PUMP FIXED INSTALLATION DIMENSIONS TABLE

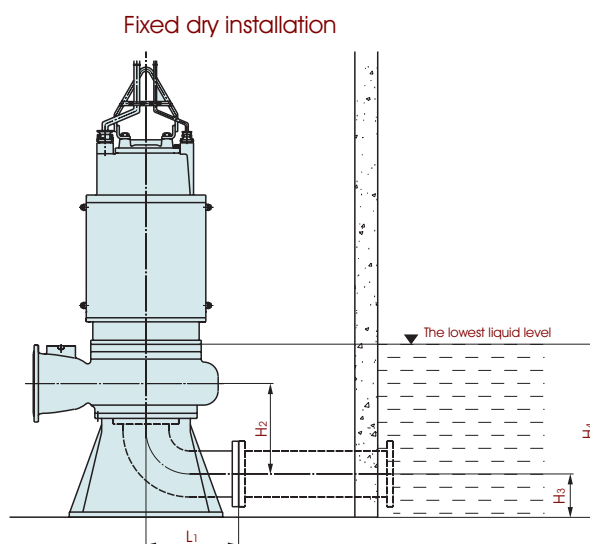
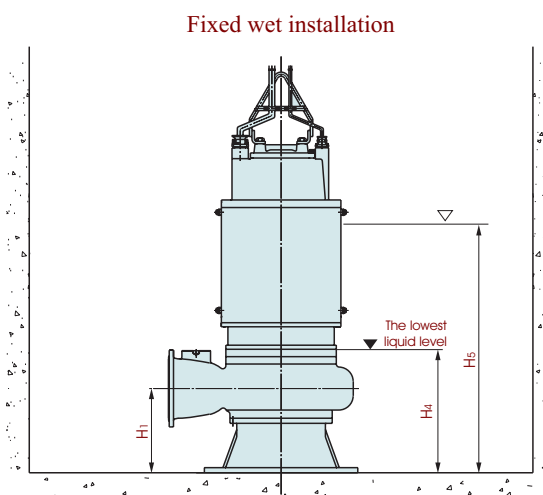
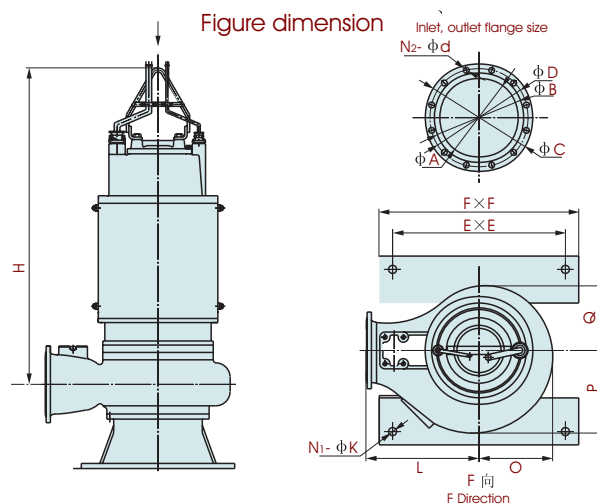
No.	Type	(Figure dimension)												k
		Φ A	Φ B	Φ C	Φ D	N ₂ - Φ d	H	O	P	Q	L	E×E	F×F	
1	80WQ50-35-11	80	128	190	150	4- Φ 17.5	830	212	163	180	280	520×520	600×600	4 - Φ 25
2	80WQ50-40-15	80	128	190	150	4- Φ 17.5	830	212	163	180	280	520×520	600×600	4 - Φ 25
3	100WQ80-24-11	100	148	210	170	4- Φ 17.5	830	205	163	180	280	520×520	600×600	4 - Φ 25
4	100WQ80-32-15	100	148	210	170	4- Φ 17.5	830	205	163	180	280	520×520	600×600	4 - Φ 25
5	100WQ80-36-18.5	100	148	210	170	4- Φ 17.5	830	256	163	180	280	520×520	600×600	4 - Φ 25
6	100WQ80-40-22	100	148	210	170	4- Φ 17.5	875	256	163	180	280	520×520	600×600	4 - Φ 25
7	150WQ150-15-11	150	202	265	225	8- Φ 17.5	870	228	203	250	350	520×520	600×600	4 - Φ 25
8	150WQ150-20-15	150	202	265	225	8- Φ 17.5	870	228	203	250	350	520×520	600×600	4 - Φ 25
9	150WQ150-25-18.5	150	202	265	225	8- Φ 17.5	935	247	233	262	400	565×565	640×640	4 - Φ 25
10	150WQ150-30-22	150	202	265	225	8- Φ 17.5	935	247	233	262	400	565×565	640×640	4 - Φ 25
11	150WQ150-40-30	150	202	265	225	8- Φ 17.5	1345	367	233	262	400	800×800	900×900	4 - Φ 40
12	150WQ150-45-37	150	202	265	225	8- Φ 17.5	1450	367	288	316	450	800×800	900×900	4 - Φ 40
13	150WQ150-50-45	150	202	265	225	8- Φ 17.5	1450	367	288	316	450	800×800	900×900	4 - Φ 40
14	150WQ100-60-55	150	202	265	225	8- Φ 17.5	1450	367	288	316	450	800×800	900×900	4 - Φ 40
15	200WQ300-7-11	200	260	320	280	8- Φ 17.5	870	254	212	295	400	520×520	600×600	4 - Φ 25
16	200WQ300-10-15	200	260	320	280	8- Φ 17.5	870	254	212	295	400	520×520	600×600	4 - Φ 25
17	200WQ300-13-18.5	200	260	320	280	8- Φ 17.5	930	267	230	300	400	520×520	600×600	4 - Φ 25
18	200WQ300-15-22	200	260	320	280	8- Φ 17.5	930	267	230	300	400	520×520	600×600	4 - Φ 25
19	200WQ300-20-30	200	260	320	280	8- Φ 17.5	1480	342	309	376	500	700×700	800×800	4 - Φ 40
20	200WQ300-25-37	200	260	320	280	8- Φ 17.5	1480	342	309	376	500	700×700	800×800	4 - Φ 40
21	200WQ400-27-45	200	260	320	280	8- Φ 17.5	1515	349	332	368	500	800×800	900×900	4 - Φ 40
22	200WQ400-34-55	200	260	320	280	8- Φ 17.5	1515	349	332	368	500	800×800	900×900	4 - Φ 40
23	200WQ400-40-75	200	260	320	280	8- Φ 17.5	1635	379	362	398	500	800×800	900×900	4 - Φ 40
24	200WQ400-48-90	200	260	320	280	8- Φ 17.5	1635	379	362	398	500	800×800	900×900	4 - Φ 40
25	250WQ400-7-15	250	312	375	335	12- Φ 17.5	910	254	212	295	420	520×520	600×600	4 - Φ 25



WQ SERIES SUBMERSIBLE SEWAGE PUMP

WQ TYPE PUMP FIXED INSTALLATION DIMENSIONS TABLE

Wet installation			Dry installation			
H1	H4	H5	L1	H2	H3	H4
300	—	860	—	—	—	—
300	—	860	—	—	—	—
300	—	860	—	—	—	—
300	—	860	—	—	—	—
300	—	875	—	—	—	—
300	—	875	—	—	—	—
320	—	905	—	—	—	—
320	—	905	—	—	—	—
320	—	955	—	—	—	—
320	—	955	—	—	—	—
480	620	1175	500	410	200	750
480	620	1175	500	410	200	750
480	620	1175	500	410	200	750
480	620	1175	500	410	200	750
330	—	850	—	—	—	—
330	—	850	—	—	—	—
330	—	850	—	—	—	—
330	—	850	—	—	—	—
445	640	1130	450	420	250	870
445	640	1130	450	420	250	870
495	660	1180	500	475	250	890
495	660	1180	500	475	250	890
495	660	1230	500	475	250	890
495	660	1230	500	475	250	890
330	—	950	—	—	—	—



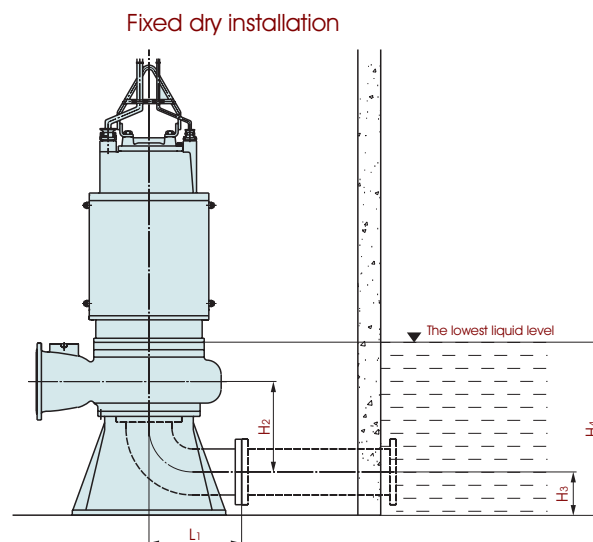
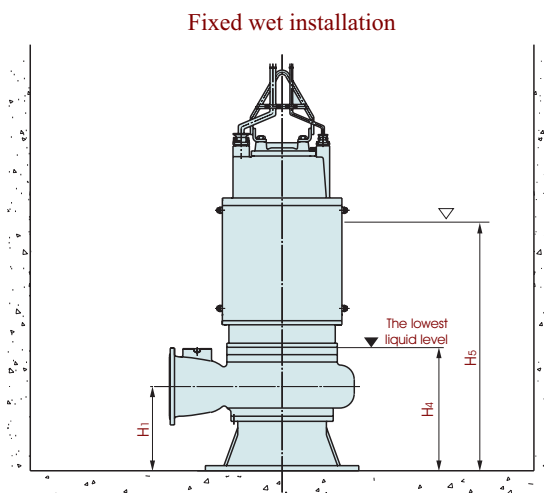
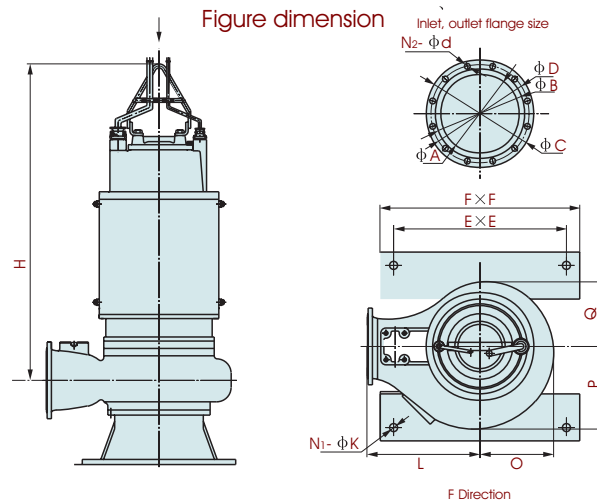
WQ TYPE PUMP FIXED INSTALLATION DIMENSIONS TABLE

No.	Type	(Figure dimension)												k
		Φ A	Φ B	Φ C	Φ D	N ₂ - Φ d	H	O	P	Q	L	E×E	F×F	
26	250WQ400-10-18.5	250	312	375	335	12- Φ 17.5	950	267	230	300	420	520×520	600×600	4 - Φ 25
27	250WQ400-13-22	250	312	375	335	12- Φ 17.5	950	267	230	300	420	520×520	600×600	4 - Φ 25
28	250WQ500-10-30	250	312	375	335	12- Φ 17.5	1480	360	319	404	550	700×700	800×800	4 - Φ 40
29	250WQ500-16-37	250	312	375	335	12- Φ 17.5	1480	360	319	404	550	700×700	800×800	4 - Φ 40
30	250WQ500-20-45	250	312	375	335	12- Φ 17.5	1565	360	319	404	550	700×700	800×800	4 - Φ 40
31	250WQ500-25-55	250	312	375	335	12- Φ 17.5	1565	360	319	404	550	700×700	800×800	4 - Φ 40
32	250WQ600-28-75	250	312	375	335	12- Φ 17.5	1635	379	362	398	550	800×800	900×900	4 - Φ 40
33	250WQ600-34-90	250	312	375	335	12- Φ 17.5	1635	379	362	398	550	800×800	900×900	4 - Φ 40
34	250WQ600-40-110	250	312	375	335	12- Φ 17.5	1850	379	362	398	550	800×800	900×900	4 - Φ 40
35	250WQ600-50-132	250	312	375	335	12- Φ 17.5	1850	379	362	398	550	800×800	900×900	4 - Φ 40
36	300WQ600-6-18.5	300	365	440	395	12- Φ 22	970	267	230	300	400	520×520	600×600	4 - Φ 25
37	300WQ600-7-22	300	365	440	395	12- Φ 22	970	267	230	300	400	520×520	600×600	4 - Φ 25
38	300WQ700-11-30	300	365	440	395	12- Φ 22	1485	378	327	430	550	700×700	800×800	4 - Φ 40
39	300WQ700-14-37	300	365	440	395	12- Φ 22	1485	378	327	430	550	700×700	800×800	4 - Φ 40
40	300WQ700-16-45	300	365	440	395	12- Φ 22	1570	397	344	454	550	700×700	800×800	4 - Φ 40
41	300WQ700-19-55	300	365	440	395	12- Φ 22	1570	397	344	454	550	700×700	800×800	4 - Φ 40
42	300WQ1000-20-75	300	365	440	395	12- Φ 22	1835	424	384	464	700	1000×1000	1100×1100	4 - Φ 50
43	300WQ1000-24-90	300	365	440	395	12- Φ 22	1835	424	384	464	700	1000×1000	1100×1100	4 - Φ 50
44	300WQ1000-28-110	300	365	440	395	12- Φ 22	1855	424	384	464	550	1000×1000	1100×1100	4 - Φ 50
45	300WQ1000-35-132	300	365	440	395	12- Φ 22	1855	424	384	464	550	1000×1000	1100×1100	4 - Φ 50
46	350WQ1200-6-30	350	415	490	445	12- Φ 22	1470	434	363	499	650	1000×1000	1100×1100	4 - Φ 50
47	350WQ1200-8-37	350	415	490	445	12- Φ 22	1555	434	363	499	650	1000×1000	1100×1100	4 - Φ 50
48	350WQ1100-10-45	350	415	490	445	12- Φ 22	1555	434	363	499	650	1000×1000	1100×1100	4 - Φ 50
49	350WQ1100-12-55	350	415	490	445	12- Φ 22	1840	434	363	499	650	1000×1000	1100×1100	4 - Φ 50
50	350WQ1100-16-75	350	415	490	445	12- Φ 22	1840	424	384	464	700	1000×1000	1100×1100	4 - Φ 50

WQ SERIES SUBMERSIBLE SEWAGE PUMP

WQ TYPE PUMP FIXED INSTALLATION DIMENSIONS TABLE

Wet installation			Dry installation			
H1	H4	H5	L1	H2	H3	H4
330	—	950	—	—	—	—
330	—	950	—	—	—	—
445	640	1280	450	445	300	945
445	640	1280	450	445	300	945
445	640	1280	450	445	300	945
445	640	1330	450	445	300	945
495	660	1330	500	500	300	965
495	660	1330	500	500	300	965
495	660	1330	500	500	300	965
495	660	1330	500	500	300	965
330	—	1020	—	—	—	—
330	—	1020	—	—	—	—
460	650	1350	450	510	400	1100
460	650	1350	450	510	400	1100
460	650	1350	450	510	400	1100
460	650	1350	450	510	400	1100
580	700	1500	600	510	400	1100
580	700	1500	600	510	400	1100
580	700	1500	600	510	400	1100
580	700	1500	600	510	400	1100
655	800	1510	600	625	450	1200
655	800	1510	600	625	450	1200
655	800	1510	600	625	450	1200
655	800	1740	600	625	450	1200
600	820	1740	600	580	450	1220



WQ TYPE PUMP FIXED INSTALLATION DIMENSIONS TABLE

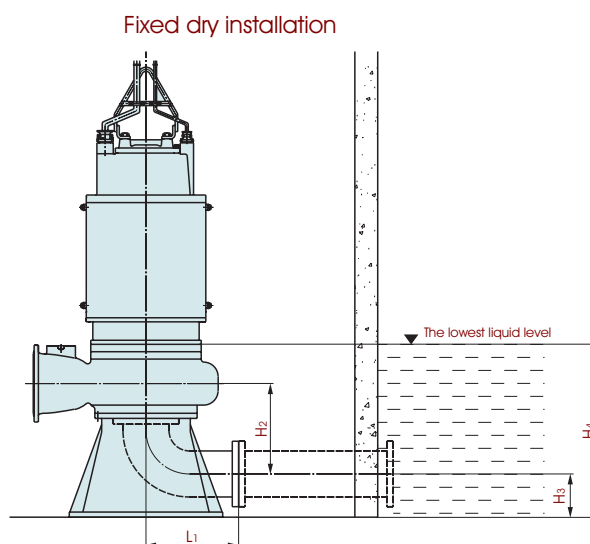
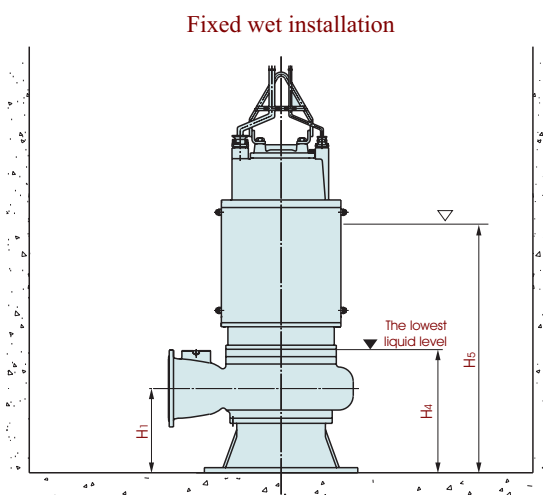
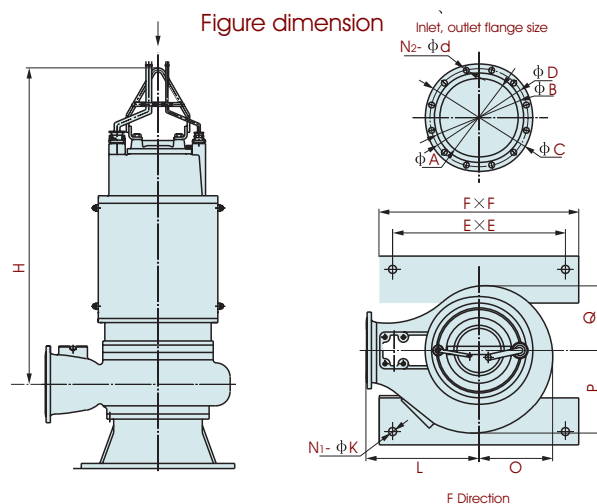
No.	Type	(Figure dimension)												k
		Φ A	Φ B	Φ C	Φ D	N2- Φ d	H	O	P	Q	L	E×E	F×F	
51	350WQ1100-20-90	350	415	490	445	12- Φ 22	1840	424	384	464	700	1000×1000	1100×1100	4 - Φ 50
52	350WQ1100-25-110	350	415	490	445	12- Φ 22	1890	424	384	464	700	1000×1000	1100×1100	4 - Φ 50
53	350WQ1100-30-132	350	415	490	445	12- Φ 22	1890	424	384	464	700	1000×1000	1100×1100	4 - Φ 50
54	350WQ1100-36-160	350	415	490	445	12- Φ 22	1890	515	475	555	700	1000×1000	1100×1100	4 - Φ 50
55	350WQ1500-30-185	350	415	490	445	12- Φ 22	1890	434	363	499	700	1000×1000	1100×1100	4 - Φ 50
56	350WQ1500-32-200	350	415	490	445	12- Φ 22	2260	600	645	548	850	1000×1000	1100×1100	4 - Φ 50
57	350WQ1500-35-220	350	415	490	445	12- Φ 22	2260	600	645	548	850	1000×1000	1100×1100	4 - Φ 50
58	350WQ1500-40-250	350	415	490	445	12- Φ 22	2485	600	645	548	850	1000×1000	1100×1100	4 - Φ 50
59	350WQ1800-40-280	350	415	490	445	12- Φ 22	2485	600	645	548	850	1000×1000	1100×1100	4 - Φ 50
60	350WQ1800-43-315	350	415	490	445	12- Φ 22	2485	600	645	548	850	1000×1000	1100×1100	4 - Φ 50
61	350WQ1800-46-355	350	415	490	445	12- Φ 22	2485	600	645	548	850	1000×1000	1100×1100	4 - Φ 50
62	400WQ1500-5-30	400	482	565	515	16- Φ 26	1435	459	377	533	700	1000×1000	1100×1100	4 - Φ 50
63	400WQ1500-6-37	400	482	565	515	16- Φ 26	1530	459	377	533	700	1000×1000	1100×1100	4 - Φ 50
64	400WQ1500-8-45	400	482	565	515	16- Φ 26	1530	459	377	533	700	1000×1000	1100×1100	4 - Φ 50
65	400WQ1500-10-55	400	482	565	515	16- Φ 26	1805	459	377	533	700	1000×1000	1100×1100	4 - Φ 50
66	400WQ1500-12-75	400	482	565	515	16- Φ 26	1805	424	384	464	700	1000×1000	1100×1100	4 - Φ 50
67	400WQ1500-15-90	400	482	565	515	16- Φ 26	1805	424	384	464	700	1000×1000	1100×1100	4 - Φ 50
68	400WQ1500-18-110	400	482	565	515	16- Φ 26	1805	424	384	464	700	1000×1000	1100×1100	4 - Φ 50
69	400WQ1500-22-132	400	482	565	515	16- Φ 26	1890	424	384	464	700	1000×1000	1100×1100	4 - Φ 50
70	400WQ2000-20-160	400	482	565	515	16- Φ 26	1890	545	475	615	700	1000×1000	1100×1100	4 - Φ 50
71	400WQ2000-23-185	400	482	565	515	16- Φ 26	1890	545	475	615	700	1000×1000	1100×1100	4 - Φ 50
72	400WQ2000-25-200	400	482	565	515	16- Φ 26	2260	545	475	615	850	1100×1100	1200×1200	4 - Φ 50
73	400WQ2000-28-220	400	482	565	515	16- Φ 26	2260	620	535	690	850	1100×1100	1200×1200	4 - Φ 50
74	400WQ2000-32-250	400	482	565	515	16- Φ 26	2485	620	535	690	850	1100×1100	1200×1200	4 - Φ 50
75	400WQ2000-36-280	400	482	565	515	16- Φ 26	2485	620	535	690	850	1100×1100	1200×1200	4 - Φ 50



WQ SERIES SUBMERSIBLE SEWAGE PUMP

WQ TYPE PUMP FIXED INSTALLATION DIMENSIONS TABLE

Wet installation			Dry installation			
H ₁	H ₄	H ₅	L ₁	H ₂	H ₃	H ₄
600	820	1740	600	580	450	1220
600	820	1740	600	580	450	1220
600	820	1740	600	580	450	1220
600	820	1740	600	580	450	1220
655	800	1540	600	625	450	1200
655	800	1800	600	625	450	1200
655	800	1800	600	625	450	1200
655	800	2040	600	625	450	1200
655	800	2040	600	625	450	1200
655	800	2040	600	625	450	1200
690	800	1690	600	630	500	1300
690	800	1690	600	630	500	1330
690	800	1690	600	630	500	1330
690	800	1690	600	630	500	1330
690	820	1690	600	630	500	1330
690	820	1690	600	630	500	1330
690	820	1690	600	630	500	1330
690	850	1690	600	620	550	1400
690	850	1690	600	620	550	1400
710	850	1800	600	750	600	1750
710	950	1800	650	750	600	1750
710	950	2040	650	750	600	1750
710	950	2040	650	750	600	1750



WQ TYPE PUMP FIXED INSTALLATION DIMENSIONS TABLE

No.	Type	(Figure dimension)												k
		Φ A	Φ B	Φ C	Φ D	N2- Φ d	H	O	P	Q	L	E×E	F×F	
76	400WQ2000-40-315	400	482	565	515	16- Φ 26	2485	600	645	548	850	1100×1100	1200×1200	4 - Φ 50
77	400WQ2000-45-355	400	482	565	515	16- Φ 26	2485	600	645	548	850	1100×1100	1200×1200	4 - Φ 50
78	500WQ2000-7-55	500	585	670	620	20- Φ 26	1815	705	575	815	1000	1100×1100	1200×1200	4 - Φ 50
79	500WQ2200-8-75	500	585	670	620	20- Φ 26	1815	705	575	815	1000	1100×1100	1200×1200	4 - Φ 50
80	500WQ2200-10-90	500	585	670	620	20- Φ 26	2005	491	399	574	1000	1100×1100	1200×1200	4 - Φ 50
81	500WQ2200-12-110	500	585	670	620	20- Φ 26	2005	491	399	574	1000	1100×1100	1200×1200	4 - Φ 50
82	500WQ2200-15-132	500	585	670	620	20- Φ 26	2005	491	399	574	1000	1100×1100	1200×1200	4 - Φ 50
83	500WQ3000-11-132	500	585	670	620	20- Φ 26	2305	705	575	815	1000	1100×1100	1200×1200	4 - Φ 50
84	500WQ3000-13-160	500	585	670	620	20- Φ 26	2305	705	575	815	1000	1100×1100	1200×1200	4 - Φ 50
85	500WQ3000-15-185	500	585	670	620	20- Φ 26	2305	705	575	815	1000	1100×1100	1200×1200	4 - Φ 50
86	500WQ3000-16-200	500	585	670	620	20- Φ 26	2305	705	575	815	1000	1100×1100	1200×1200	4 - Φ 50
87	500WQ3000-18-220	500	585	670	620	20- Φ 26	2530	705	575	815	1000	1100×1100	1200×1200	4 - Φ 50
88	500WQ3000-21-250	500	585	670	620	20- Φ 26	2530	705	575	815	1000	1100×1100	1200×1200	4 - Φ 50
89	500WQ3000-24-280	500	585	670	620	20- Φ 26	2530	705	575	815	1000	1100×1100	1200×1200	4 - Φ 50
90	600WQ3000-8-110	600	685	780	725	20- Φ 30	2305	705	575	815	1000	1100×1100	1200×1200	4 - Φ 50
91	600WQ3000-10-132	600	685	780	725	20- Φ 30	2305	705	575	815	1000	1100×1100	1200×1200	4 - Φ 50
92	600WQ4000-10-160	600	685	780	725	20- Φ 30	2305	705	575	815	1000	1100×1100	1200×1200	4 - Φ 50
93	600WQ4000-11-185	600	685	780	725	20- Φ 30	2305	705	575	815	1000	1100×1100	1200×1200	4 - Φ 50
94	600WQ4000-12-200	600	685	780	725	20- Φ 30	2305	705	575	815	1000	1100×1100	1200×1200	4 - Φ 50
95	600WQ4000-14-220	600	685	780	725	20- Φ 30	2305	705	575	815	1000	1100×1100	1200×1200	4 - Φ 50
96	600WQ4000-16-250	600	685	780	725	20- Φ 30	2530	705	575	815	1000	1100×1100	1200×1200	4 - Φ 50
97	600WQ4000-18-280	600	685	780	725	20- Φ 30	2530	705	575	815	1000	1100×1100	1200×1200	4 - Φ 50
98	600WQ4000-20-315	600	685	780	725	20- Φ 30	2530	705	575	815	1000	1100×1100	1200×1200	4 - Φ 50



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