

WQ AND QW SERIES NON-CLOG SUBMERGED MOTOR PUMP



PRODUCTS PROFILE

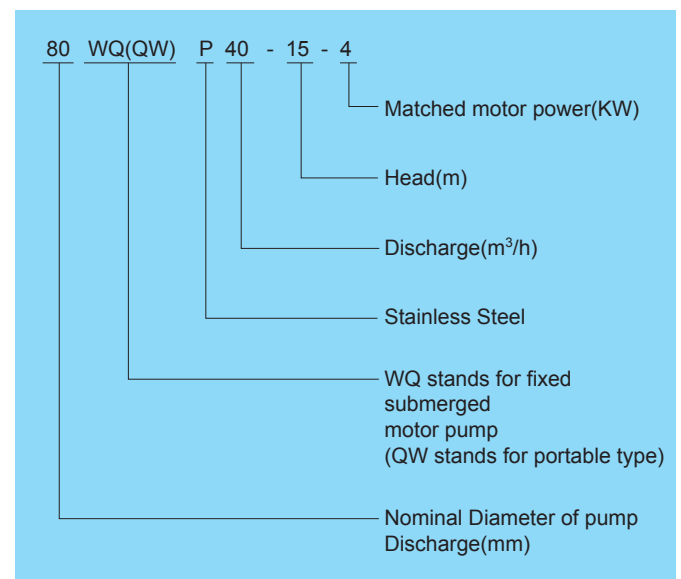
WQ and QW series non-clog submerged motor pumps are strictly designed, manufactured and tested according to relative national standards. They are applicable for commercial wastewater, daily wastewater, drainage system of city wastewater. Flow extent ranges from 5~6000m³/h, head extent from 5~60m, power extent from 0.55~315KW and caliber extent from Φ25~Φ600mm.

PRODUCT FEATURES

1. Its unique single-vane or double-vane impeller structure contributes much to pollutant handling capacity. It enables to effectively deliver fibers 5 times of pump caliber and solid granules of diameter at 50% of pump caliber;
2. Its mechanical seal uses late-model corrosion-resistant carbon tungsten hard alloy. In addition, seal is upgraded to double-end sealing for long-term operation in oil chamber and safe service of continuously more than 8,000 hours.
3. Compact overall structure, small volume, low noise, distinctive energy saving, easy maintenance, no need for a pump room, service while being put into water, and low construction cost.
4. The sealed oil chamber of this pump is provided with high-precision anti-interference water leakage detection sensor. That is to say, a thermosensitive element is pre-embedded inside stator windings to effect full protection to pump motor.
5. A full automatic safety protection control cabinet is available if required to fully prevent pump from water leakage, electric leakage, over load and excessive temperature and so on. In this way, the safety and reliability is greatly enhanced.
6. The float ball switch may automatically control the start and stop of pump responding to the changes of required liquid level. It is fairly easy to use with no need for a special person to care about it.

7. Double-guide automatic coupling installation system is available if required, making installation and maintenance much convenient, so that there is no need for a person to go into sewage pit.
8. It can be used within full head extent and prevent motor from overload.
9. Two different installation types, fixed automatic coupling installation system and portable free installation system.

TYPE MEANING



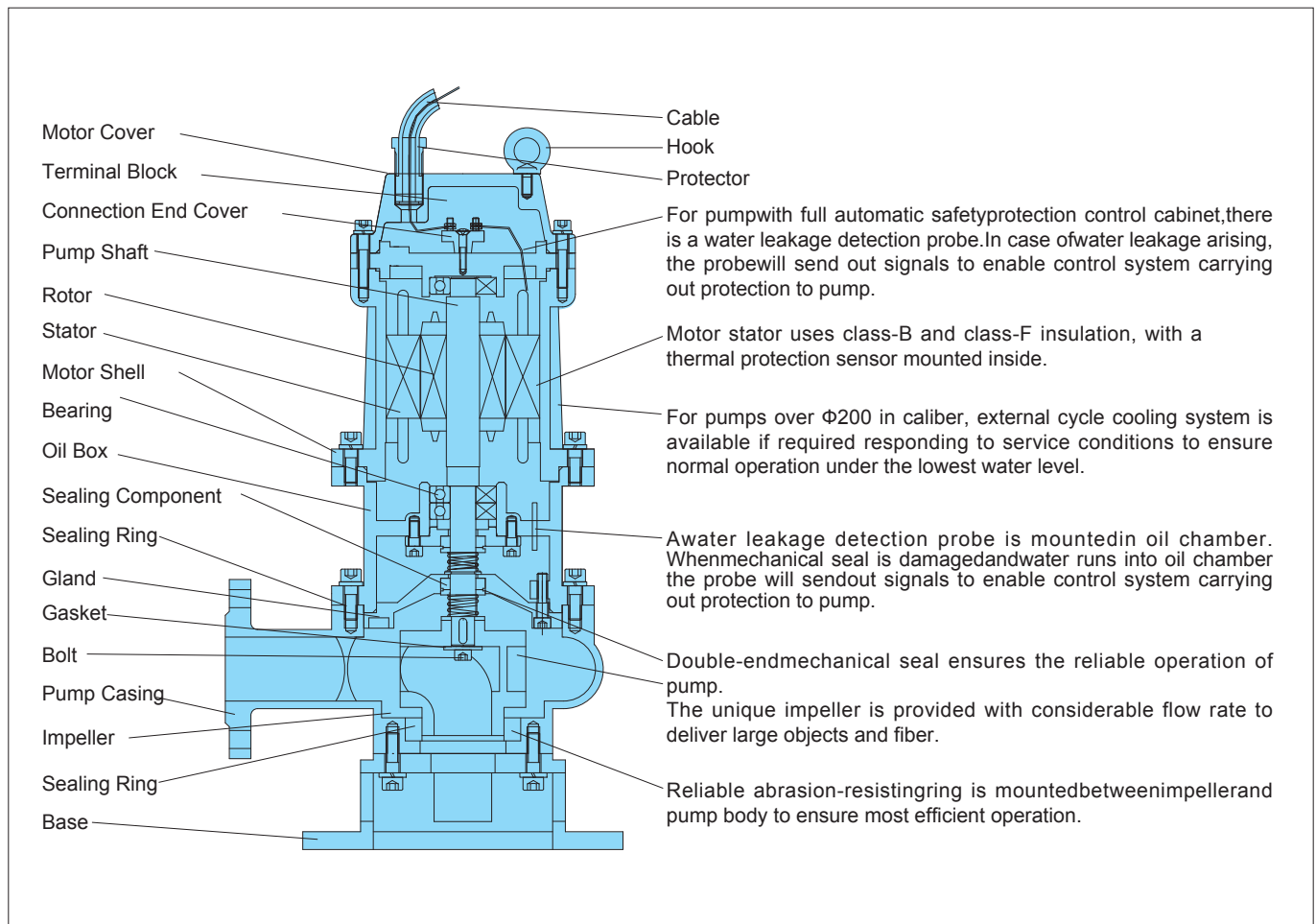
APPLICABILITY

WQ and QW series non-clog submerged motor pumps are applicable for the discharge of seriously polluted wastewater in factories and commercial sites, sewage draining station in residential area, drainage system in city wastewater treatment plant, draining station for civil defense, water supply in tap water plant, sewage discharge in hospitals and hotels, construction sites of municipal projects, exploration, mines, rural methane pool, agricultural irrigation etc. to deliver wastewater and pollutants containing granules, as well as clean water and corrosive mediums.

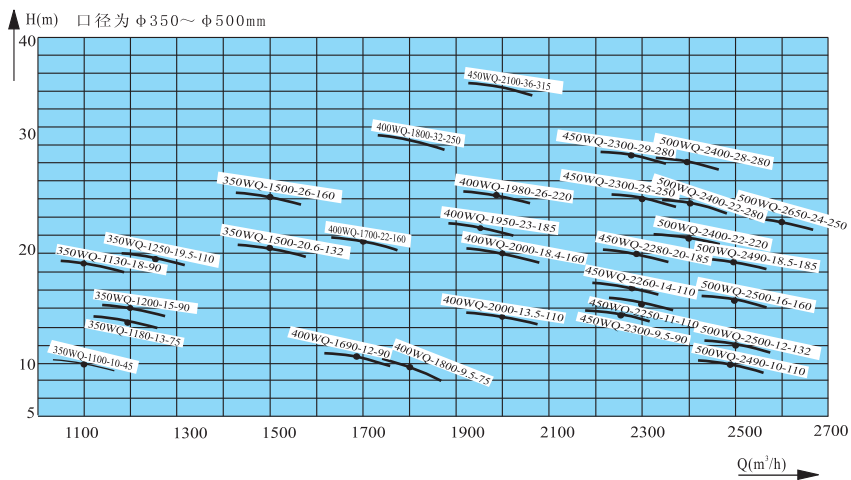
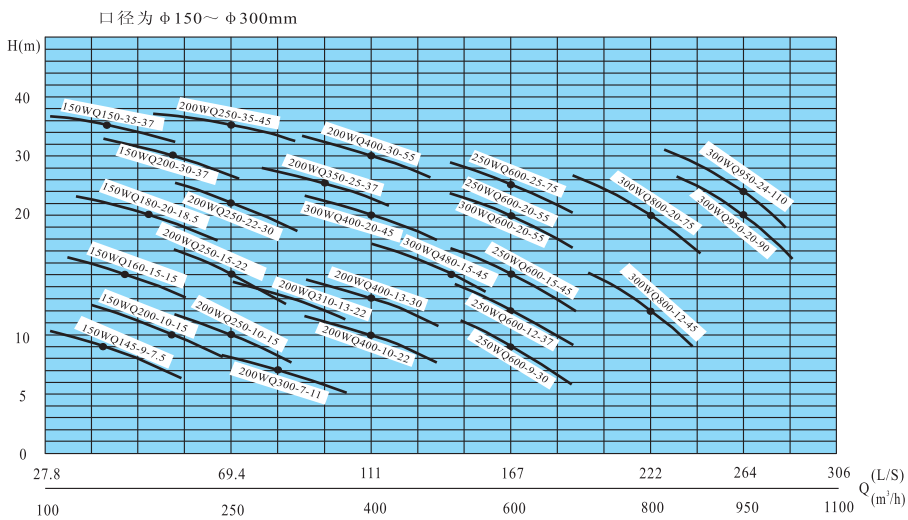
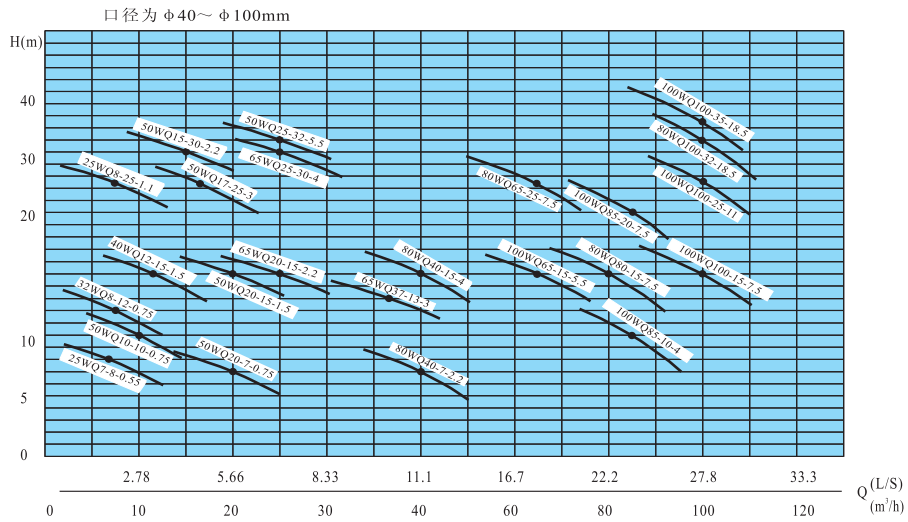
SERVICE CONDITIONS

- A. Medium temperature not exceeding 60°C and medium weight from 1~1.3kg/dm³.
- B. For pumps without internal artesian cycle cooling system, the revealed part of motor above liquid should not exceed 1/3.
- C. The applicable scope of cast-iron material is from PH5~9.
- D. For 1Cr18Ni9Ti stainless steel material, ordinary corrosive mediums may be used.
- E. The height above sea level of service location should not exceed 1000 meters. If beyond, clarify when placing an order for our convenience to provide you with more reliable products
- F. Note: If there are special requirements on temperature and mediums, please clarify the detail of the medium to deliver when placing an order for our convenience to provide you with more reliable products.

STRUCTURE DRAWING OF PUMP



CURVE DIAGRAM OF WQ AND QW PUMPS



注: QW, YW, LW(WL), GW曲线图与WQ型相同。

PERFORMANCE PARAMETERS

Caliber	Type	Q (m ³ /h)	Head (m)	r/min	kW	%	Automatic Coupler
		Discharge		Rotary Speed	Power	Efficiency	
25	25WQ8-12-0.75	8	12	2900	0.75	45	GAK-25
	25WQ8-22-1.1	8	22	2900	1.1	45	
32	32WQ8-12-0.75	8	12	2900	0.75	48	GAK-32
	32WQ8-22-1.1	8	22	2900	1.1	62	
40	40WQ12-15-1.5	12	15	2900	1.5	54	GAK-40
50	50WQ20-7-0.75	20	7	2900	0.75	51	GAK-50
	50WQ10-10-0.75	10	10	2900	0.75	52	
	50WQ20-15-1.5	20	15	2900	1.5	53	
	50WQ15-30-2.2	15	30	2900	2.2	54	
	50WQ42-9-2.2	42	9	2900	2.2	49	
	50WQ30-10-2.2	30	10	2900	2.2	50	
	50WQ17-25-3	17	25	2900	3	52	
	50WQ40-15-4	40	15	2900	4	60	
65	65WQ25-15-2.2	25	15	2900	2.2	50	GAK-65
	65WQ37-13-3	37	13	2900	3	57	
	65WQ25-30-4	25	30	2900	4	61	
	65WQ30-30-5.5	30	30	2900	5.5	60	
	65WQ30-40-7.5	30	40	2900	7.5	56	
	65WQ35-50-11	35	50	2900	11	45	
80	80WQ40-7-2.2	40		1450	2.2	59	GAK-80
	80WQ43-13-3	43	13	2900	3	70	
	80WQ50-7-3	50	7	2900	3	71	
	80WQ40-15-4	40	15	2900	4	61	
	80WQ50-20-5.5	50	20	2900	5.5	67	
	80WQ65-25-7.5	65	25	2900	7.5	63	
100	100WQ70-7-3	70	7	1450	3	74	GAK-100
	100WQ85-10-4	85	10	1450	4	72	
	100WQ60-15-4	60	15	1450	4	69	
	100WQ65-15-5.5	65	15	1450	5.5	65	
	100WQ100-15-7.5	100	15	1450	7.5	63	
	100WQ85-20-7.5	85	20	1450	7.5	75	
	100WQ100-25-11	100	25	1450	11	72	
	100WQ100-30-15	100	30	1450	15	72	
150	150WQ145-9-7.5	145	9	1450	7.5	76	GAK-150
	150WQ110-15-7.5	110	15	1450	7.5	71	
	150WQ200-10-15	200	10	1450	15	73	
	150WQ180-15-15	180	15	1450	15	69	
	150WQ180-20-18.5	180	20	1450	18.5	72	
	150WQ150-26-18.5	150	26	1450	18.5	52	
	150WQ180-25-22	180	25	1450	22	78	
	150WQ200-25-30	200	25	1450	30	76	
	150WQ200-30-37	200	30	1450	37	73	
	150WQ150-35-37	150	35	1450	37	73	
200	200WQ300-7-11	300	7	980	11	66	GAK-200
	200WQ250-11-15	250	11	1450	15	64	
	200WQ250-15-18.5	250	15	1450	18.5	73	
	200WQ400-10-22	400	10	1450	22	75	
	200WQ300-15-22	300	15	1450	22	76	
	200WQ400-13-30	400	13	1450	30	76	
	200WQ300-18-30	300	18	1450	30	85	

PERFORMANCE PARAMETERS

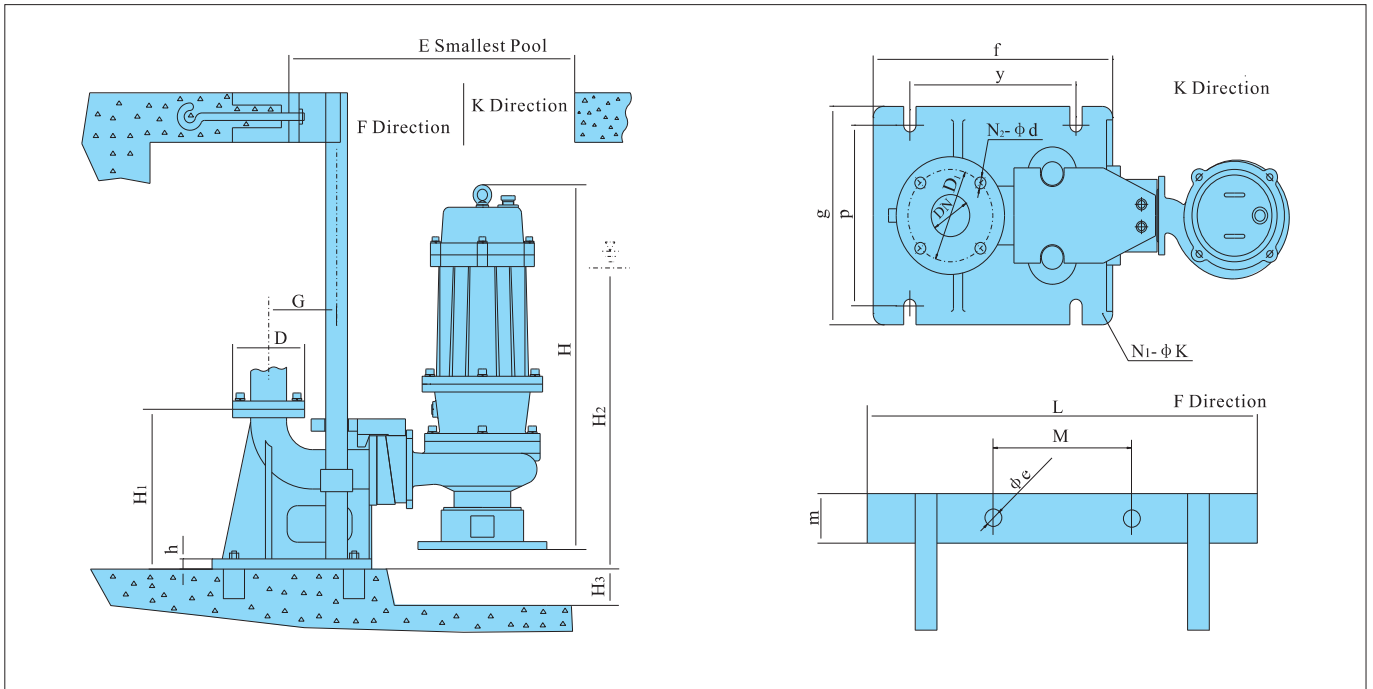
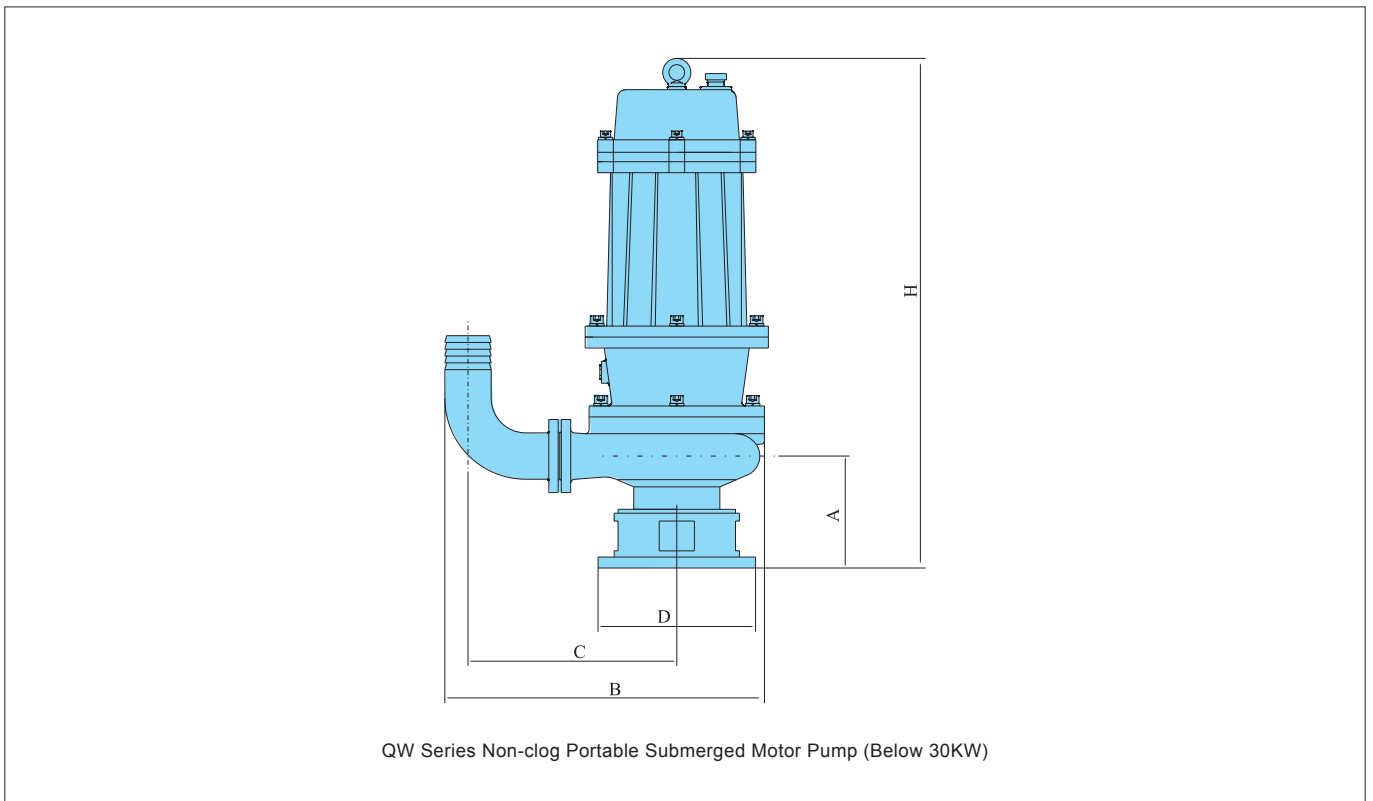
Caliber	Type	Q (m ³ /h)	Head (m)	r/min	kW	%	Automatic Coupler
		Discharge		Rotary Speed	Power	Efficiency	
200	200WQ250-22-30	250	22	1450	30	71	GAK-200
	200WQ300-25-37	300	25	1450	37	71	
	200WQ400-20-45	400	20	1450	45	74	
	200WQ250-35-45	250	35	1450	45	69	
	200WQ400-30-55	400	30	1450	55	72	
	200WQ200-60-75	200	60	1450	75	52	
250	250WQ600-9-30	600	9	980	30	78	GAK-250
	250WQ600-12-37	600	12	1450	37	76	
	250WQ600-15-45	600	15	1450	45	73	
	250WQ600-20-55	600	20	1450	55	73	
	250WQ600-25-75	600	25	1450	75	71	
300	300WQ800-12-45	800	12	980	45	74	GAK-300
	300WQ480-15-45	480	15	1450	45	66	
	300WQ400-20-45	400	20	1450	45	64	
	300WQ600-20-55	600	20	1450	55	73	
	300WQ800-20-75	800	20	1450	75	75	
	300WQ950-20-90	950	20	1450	90	76	
	300WQ950-24-110	950	24	1450	110	76	
350	350WQ1500-7-45	1500	7	740	45	87	GAK-350
	350WQ1100-10-55	1100	10	980	55	85	
	350WQ1180-13-75	1180	13	980	75	84	
	350WQ1200-15-90	1200	15	980	90	84	
	350WQ1130-18-90	1130	18	980	90	83	
	350WQ1250-20-110	1250	20	980	110	83	
	350WQ1500-20-132	1500	20	980	132	82	
	350WQ1500-26-160	1500	26	980	160	83	
400	400WQ2000-6-55	2000	6	740	55	86	GAK-400
	400WQ1800-7-55	1800	7	740	55	85	
	400WQ2500-7-75	2500	7	740	75	85	
	400WQ1800-10-75	1800	10	740	75	85	
	400WQ1690-12-90	1690	12	980	90	85	
	400WQ2000-10-90	2000	10	980	90	85	
	400WQ2000-13-110	2000	13	980	110	84	
	400WQ2000-15-132	2000	15	980	132	83	
	400WQ 1700-22-160	1700	22	980	160	83	
	400WQ2000-18-160	2000	18	980	160	85	
	400WQ1950-23-185	1950	23	980	185	85	
	400WQ1980-26-220	1980	26	980	220	83	
	400WQ1800-32-250	1800	32	980	250	82	
450	450WQ2300-10-90	2300	10	740	90	85	GAK-450
	450WQ2250-11-110	2250	11	740	110	85	
	450WQ2100-12-110	2100	12	740	110	83	
	450WQ2260-14-132	2260	14	740	132	83	
	450WQ2280-20-185	2280	20	740	185	82	
	450WQ2300-25-250	2300	25	740	250	81	
	450WQ2300-29-280	2300	29	740	280	80	
	450WQ2100-36-315	2100	36	740	315	78	
500	500WQ2500-10-110	2500	10	740	110	85	GAK-500
	500WQ2500-16-160	2500	16	740	160	84	
	500WQ2500-18-185	2500	18	740	185	83	
	500WQ2500-12-132	2500	12	740	132	85	
	500WQ2400-22-220	2400	22	740	220	85	
	500WQ2650-24-250	2650	24	740	250	85	
	500WQ2400-28-280	2400	28	740	280	85	
600	600WQ5400-8-185	5400	8	580	185	87	GAK-600
	600WQ4000-12-200	4000	12	580	200	86	
	600WQ3550-15-200	3550	15	740	200	84	

INSTALLATION DIMENSIONAL TABLE OF WQ

Caliber	Type	Installation Dimensions																		
		D	D ₁	H	G	H ₁	H ₂	H ₃	h	N ₁ -ΦK	g	p	f	y	N ₂ -Φd	L	M	m	e	E
25	25WQ8-12-0.75	100	75	400																
				360																
32	32WQ8-12-0.75	120	90	400																
				360																
40	40WQ12-15-1.5	130	100	540																
				440																
50	50WQ20-7-0.75	140	110	564	170	270		100	18	4-Φ16	260	230	310	215	4-Φ18	470	400	60	16	550×550
	50WQ10-10-0.75			450																
	50WQ20-15-1.5			480																
	50WQ15-30-2.2			540																
	50WQ42-9-2.2			640																
	50WQ30-10-2.2			651																
	50WQ17-25-3			737																
	50WQ40-15-4																			
	50WQ25-32-5.5																			
50WQ20-40-7.5																				
65	65WQ25-15-2.2	160	130	582	167	315		150	20	4-Φ16	275	255	310	240	4-Φ18	470	400	60	16	650×600
	65WQ37-13-3			540																
	65WQ25-30-4			600																
	65WQ30-30-5.5			640																
	65WQ30-40-7.5			670																
	65WQ35-50-11			869																
	65WQ35-60-15																			
80	80WQ40-7-2.2	185	150	640	167	350		150	25	4-Φ20	295	255	335	255	4-Φ18	470	400	60	16	650×600
	80WQ43-13-3			540																
	80WQ50-7-3			650																
	80WQ40-15-4			670																
	80WQ50-20-5.5			755																
	80WQ65-25-7.5																			
	80WQ80-15-7.5																			
100	100WQ70-7-3	205	170	705	214	420		200	25	4-Φ20	340	300	400	305	8-Φ18	510	440	60	20	750×650
	100WQ85-10-4			700																
	100WQ60-15-4			825																
	100WQ65-15-5.5			940																
	100WQ100-15-7.5			970																
	100WQ85-20-7.5																			
	100WQ100-25-11																			
	100WQ100-30-15																			
	100WQ100-35-18.5																			
150	150WQ145-9-7.5	260	225	795	247	525		250	35	4-Φ20	390	325	460	375	8-Φ18	600	525	100	20	1000×800
	150WQ110-15-7.5			940																
	150WQ200-10-15			1059																
	150WQ180-15-15			1200																
	150WQ180-20-18.5			1320																
	150WQ150-26-18.5																			
	150WQ180-25-22																			
	150WQ200-25-30																			
	150WQ200-30-37																			
	150WQ150-35-37																			
	150WQ180-40-45																			
200	200WQ300-7-11	315	280	1150	290	517		250	35	4-Φ23	390	325	460	375	8-Φ18	600	525	100	20	1300×900
	200WQ250-11-15			1120																
	200WQ250-15-18.5			1000																
	200WQ400-10-22			1320																
	200WQ300-15-22			1200																
	200WQ400-13-30																			

INSTALLATION DIMENSIONAL TABLE OF WQ

Caliber	Type	Installation Dimensions																				
		D	D ₁	H	G	H ₁	H ₂	H ₃	h	N ₁ -ΦK	g	p	f	y	N ₂ -Φd	L	M	m	e	E		
200	200WQ250-22-30	315	280	1320	290	517	1200	250	35	4-Φ23	390	325	460	375	8-Φ18	600	625	100	20	1300×900		
	200WQ300-25-37			1370			1270															
	200WQ400-20-45			1450			1350															
	200WQ250-35-45																					
	200WQ400-30-55																					
200WQ200-60-75																						
250	250WQ600-9-30	370	335	1450	443	724	1350	350	26	4-Φ23	550	475	610	515	12-Φ18	700	615	150	24	1600×1300		
	250WQ600-12-37			1720			1550															
	250WQ600-15-45																					
	250WQ600-20-55																					
	250WQ600-25-75																					
300	300WQ800-12-45	435	395	1550	460	760	1350	400	50	4-Φ30	870	780	870	770	12-Φ18	700	615	150	27	1600×1300		
	300WQ480-15-45			1750			1550															
	300WQ400-20-45			1880			1600															
	300WQ600-20-55																					
	300WQ800-20-75																					
	300WQ950-20-90																					
	300WQ950-24-110																					
350	350WQ1500-7-45	490	445	1600	460	760	1400	500	50	4-Φ30	880	780	850	770	12-Φ18	880	800	80	45	1450×1200		
	350WQ1100-10-55			1800			1600															
	350WQ1180-13-75			1880			1600															
	350WQ1200-15-90			2200			2000															
	350WQ1130-18-90																					
	350WQ1250-20-110																					
	350WQ1500-20-132																					
	350WQ1500-26-160																					
400	400WQ2000-6-55	565	515	1650	1880	620	1450	800	1680	500	50	6-Φ34	870	780	920	800	12-Φ22	950	850	150	27	1600×1200
	400WQ1800-7-55			1700			1500															
	400WQ2500-7-75																					
	400WQ1800-10-75																					
	400WQ1690-12-90																					
	400WQ2000-10-90																					
	400WQ2000-13-110																					
	400WQ2000-15-132																					
	400WQ1700-22-160																					
	400WQ2000-18-160			2345			2100															
	400WQ1950-23-185																					
	400WQ1980-26-220																					
	400WQ1800-32-250																					
450	450WQ2300-10-90	615	565	1700	620	900	1500	500	50	6-Φ34	880	790	980	880	16-Φ22	950	850	150	27	1600×1200		
	450WQ2250-11-110			1880			1680															
	450WQ2100-12-110																					
	450WQ2260-14-132																					
	450WQ2280-20-185																					
	450WQ2300-25-250			2345			2100															
	450WQ2300-29-280																					
	450WQ2100-36-315																					
500	500WQ2500-10-110	670	620	2000	820	1350	1800	500	50	6-Φ34	950	850	1240	1140	20-Φ22	950	850	150	27	1600×1200		
	500WQ2500-12-132			2600			2300															
	500WQ2500-16-160																					
	500WQ2500-18-185																					
	500WQ2400-22-220																					
	500WQ2650-24-250																					
	500WQ2400-28-280																					
600	600WQ5400-8-185	780	725	2950	1000	1550	2600	500	50	6-Φ34	1000	900	1400	1300	20-Φ22	950	850	150	27	1600×1200		
	600WQ4000-12-200																					
	600WQ3550-15-200																					

INSTALLATION DIMENSIONAL DRAWING WQ

OUTLINE AND INSTALLATION SKETCH DRAWING QW


PERFORMANCE PARAMETER AND OUTLINE DIMENSIONAL TABLE OF QW

Caliber	Type	Discharge Caliber(mm)	Q (m³/h) Discharge	Head (m)	r/min Rotary Speed	kW Power	% Efficiency	Outline Dimensions				
								A	B	C	D	H
1	25QW7-8-0.55	25	7	8	2900	0.55	45	120	360	225	210	540
2	25QW8-22-1.1	25	8	22	2900	1.1	45	120	360	225	210	540
3	32QW8-12-0.75	32	8	12	2900	0.75	48	120	360	225	210	540
4	40QW12-15-1.5	40	12	15	2900	1.5	48	120	360	225	210	540
5	50QW20-7-0.75	50	20	7	2900	0.75	62	145	440	275	260	564
6	50QW10-10-0.75	50	10	10	2900	0.75	54	120	370	230	210	564
7	50QW20-15-1.5	50	20	15	2900	1.5	51	120	370	230	210	564
8	50QW15-30-2.2	50	15	30	2900	2.02	51	145	410	245	260	582
9	50QW42-9-2.2	50	42	9	2900	2.2	52	145	410	245	260	582
10	50QW17-25-3	50	17	25	2900	3	53	155	420	250	260	650
11	50QWQ40-15-4	50	40	15	2900	4	54	175	457	264	310	725
12	50QW25-32-5.5	50	25	32	2900	5.5	49	175	480	285	325	800
13	50QW20-40-7.5	50	20	40	2900	7.5	50	175	480	285	325	800
14	65QW25-15-2.2	65	25	15	2900	2.2	52	145	450	280	260	582
15	65QW37-13-3	65	37	13	2900	3	60	165	475	305	260	652
16	65QW25-30-4	65	25	30	2900	4	58	170	505	300	325	710
17	65QW35-50-11	65	35	50	2900	11	59	165	460	300	350	920
18	65QW35-60-15	65	35	60	2900	15	58	165	460	300	350	920
19	80QW40-7-2.2	80	40	7	2900	2.2	50	165	510	330	260	640
20	80QW43-13-3	80	43	13	2900	3	61	165	540	330	325	652
21	80QW40-15-4	80	40	15	2900	4	57	180	565	330	325	775
22	80QW50-20-5.5	80	50	20	2900	5.5	60	165	565	330	325	775
23	80QW65-25-7.5	80	65	25	2900	7.5	56	180	565	330	325	775
24	80QW80-15-7.5	80	80	15	2900	7.5	45	165	510	330	260	775
25	100QW85-10-4	100	85	10	1450	4	62	220	700	430	420	800
26	100QW65-15-5.5	100	65	15	1450	5.5	59	225	680	410	420	825
27	100QW100-35-18.5	100	100	35	1450	18.5	67	225	680	410	420	970
28	100QW100-15-7.5	100	100	15	1450	7.5	70	225	690	420	420	825
29	100QW85-20-7.5	100	85	20	1450	7.5	71	225	690	420	420	825
30	100QW100-25-11	100	100	25	1450	11	61	225	690	450	520	940
31	150QW145-9-7.5	150	145	9	1450	7.5	63	225	800	510	420	795
32	150QW200-10-15	150	200	10	1450	15	64	275	950	610	520	1060
33	150QW180-15-15	150	180	15	1450	15	67	275	950	610	520	1060
34	150QW180-20-18.5	150	180	20	1450	18.5	74	250	925	585	520	1060
35	150QW150-26-18.5	150	150	26	1450	18.5	72	250	925	585	520	1060
36	150QW180-35-22	150	180	35	1450	22	69	260	925	585	520	1060
37	150QW200-30-37	150	200	30	1450	37	65	275	1025	650	520	1320
38	150QW150-35-37	150	150	35	1450	37	63	290	1025	650	520	1320
39	200QW300-7-11	200	300	7	980	15	75	290	990	610	520	1150
40	200QW250-11-15	200	250	11	1450	15	72	270	970	600	520	1120
41	200QW250-15-18.5	200	250	15	1450	18.5	72	290	1130	715	520	1130
42	200QW400-10-22	200	400	10	1450	22	75	275	1120	710	520	1130
43	200QW300-15-22	200	300	15	1450	22	71	275	1120	710	520	1130
44	200QW400-13-30	200	400	13	1450	30	76	275	1120	710	520	1320
45	200QW250-22-30	200	250	22	1450	30	71					

PERFORMANCE PARAMETER AND OUTLINE DIMENSIONAL TABLE OF QW

Caliber	Type	Discharge Caliber(mm)	Q (m ³ /h) Discharge	Head (m)	r/min Rotary Speed	kW Power	% Efficiency	Outline Dimensions				
								A	B	C	D	H
46	200QW300-25-37	200	300	25	1450	37	73	325	1080	680	520	1370
47	200QW250-35-45	200	250	35	1450	45	69	330	1250	780	520	1370
48	200QW400-30-55	200	400	30	1450	55	72	330	1160	730	520	1450
49	200QW400-60-75	200	200	60	1450	75	52	330	1160	730	520	2100
50	250QW600-9-30	250	600	9	980	30	78	440	1100	700	520	1660
51	250QW600-12-37	250	600	12	1450	37	76	440	1100	700	520	1660
52	250QW600-15-45	250	600	15	1450	45	73	440	1100	700	520	1660
53	250QW600-20-55	250	600	20	1450	55	73	440	1100	700	520	1700
54	250QW600-25-75	250	600	25	1450	75	71	440	1100	700	520	1750
55	300QW800-12-45	300	800	12	980	45	74	470	1305	850	650	1845
56	300QW480-15-45	300	480	15	1450	45	66	470	1305	850	650	1845
57	300QW400-20-45	300	400	20	1450	45	64	470	1305	850	650	1845
58	300QW600-20-55	300	600	20	1450	55	73	470	1305	850	650	2060
59	300QW800-20-75	300	800	20	1450	75	75	470	1305	850	650	2120
60	300QW950-20-90	300	950	20	1450	90	76	470	1305	850	650	2120
61	300QW950-24-110	300	950	24	1450	110	76	500	1350	875	650	2220
62	350QW1100-10-55	350	1100	10	980	55	85	530	1363	1110	700	2150
63	350QW1180-13-75	350	1180	13	980	75	84	542	1533	1280	700	2150
64	350QW1200-15-90	350	1200	15	980	90	84	630	1533	1280	700	2190
65	350QW1130-18-90	350	1130	18	980	90	83	650	1533	1280	700	2190
66	350QW1250-20-110	350	1250	20	740	110	83	700	1586	1333	700	2240
67	350QW1500-20-132	350	1500	20	740	132	82	700	1616	1363	700	2480
68	350QW1500-26-160	350	1500	26	740	160	83	700	1666	1413	700	2590
69	400QW1800-10-75	400	1800	10	740	75	85	600	1650	1365	780	2000
70	400QW1690-12-90	400	1690	12	980	90	85	600	1650	1365	780	2000
71	400QW2000-13.5-110	400	2000	13.5	980	110	85	600	1650	1365	780	2280
72	400QW1700-22-160	400	1700	22	740	160	84	630	1670	1380	780	2600
73	400QW2000-18-160	400	2000	18	980	160	85	630	1670	1380	780	2600
74	400QW1950-23-185	400	1950	23	980	185	85	650	1700	1410	780	2780
75	400QW1980-26-220	400	1980	26	980	220	83	650	1700	1410	780	2850
76	400QW1800-32-250	400	1800	32	740	250	82	670	1730	1440	780	2850
77	450QW2300-10-90	450	2300	10	740	90	85	983	1915	1600	850	2250
78	450QW2250-11-110	450	2250	11	740	110	85	983	1965	1700	850	2250
79	450QW2260-14-132	450	2260	14	740	132	85	1000	2015	1800	850	2350
80	450QW2280-20-185	450	2280	20	740	185	83	1000	2065	1900	850	2420
81	450QW2300-25-250	450	2300	25	740	250	83	1050	2095	1930	850	2870
82	450QW2300-29-280	450	2300	29	740	280	83	1050	2165	2050	850	2950
83	450QW2100-36-315	450	2100	36	740	315	83	1200	2265	2200	850	3100
84	500QW2490-10-110	500	2500	10	740	110	85	900	2218	1875	900	2250
85	500QW2500-16-160	500	2500	16	740	160	85	955	1968	1625	900	2450
86	500QW2490-18-185	500	2500	18	740	185	85	1000	1968	1645	900	2450
87	500QW2500-12-132	500	2500	12	740	132	85	1030	2038	1695	900	2250
88	500QW2400-22-220	500	2500	22	740	220	85	900	2218	1875	900	2520
89	500QW2650-24-250	500	2650	24	740	250	85	1070	2198	1855	900	2890
90	500QW2400-28-280	500	2400	28	740	280	85					