KBZ
Submersible Dewatering Pump

Application

- Civil engineering
- Mines,quarries,Coal ore & slurries
- Sewage treatment plants
- General pumping purposes

Pump

- Max. liquid temperature: +40℃
- Flow: up to 60 m^3/h
- Head: up to 57 m
- Power: 1.5 kW (2 HP) to 15kW (20 HP)
- Max. Immersion depth: 25 m
- The length of cable is optional

Motor

- Copper winding
- Insulation class: B
- Protection class: IP68

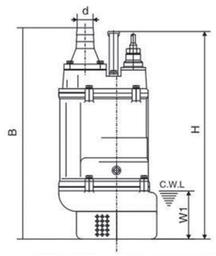
Identification Codes

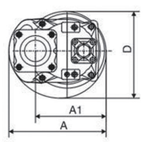
KBZ 2 1.5

- 1.5 — Power (kW)
- 2 — Outlet Diameter (")
- KBZ — Submersible Dewatering Pump

Technical Data

Model	Outlet	Power		Max head	Max flow		Impeller passage
	mm	kW	HP	m	m^3/h	m^3/min	mm
KBZ21.5	50	1.5	2	22	27	0.45	8.5
KBZ22.2	50	2.2	3	26	27	0.45	8.5
KBZ23.7	50	3.7	5	34	29	0.48	8.5
KBZ31.5	80	1.5	2	14.5	40	0.67	8.5
KBZ32.2	80	2.2	3	21	50	0.83	8.5
KBZ33.7	80	3.7	5	29	55	0.92	8.5
KBZ35.5	80	5.5	7.5	32	70	1.17	8.5
KBZ43.7	100	3.7	5	18	90	1.5	8.5
KBZ45.5	100	5.5	7.5	23	105	1.75	8.5

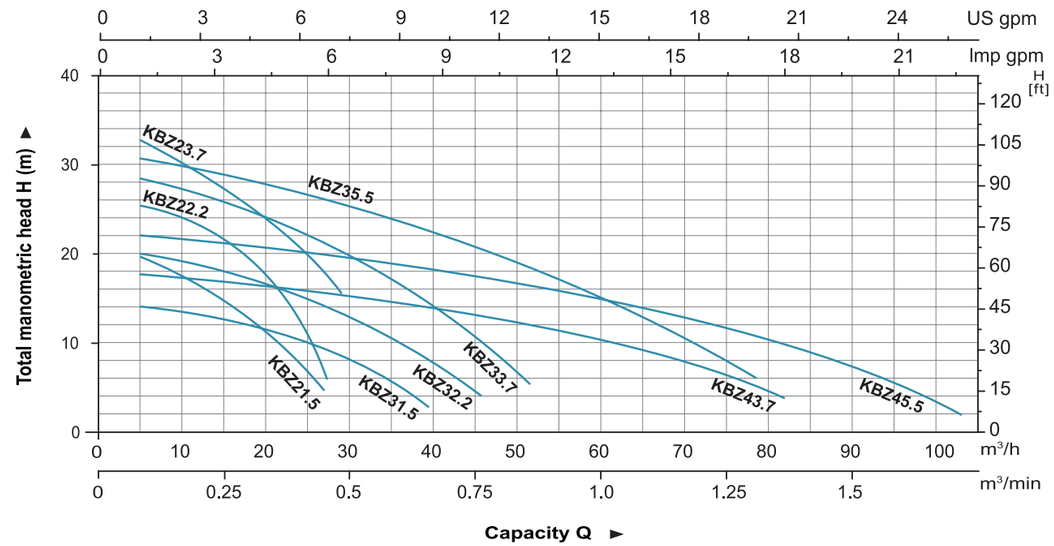




Dimension

Model	d	A	A1	B	D	H	W1
KBZ21.5	50	235	173	517	216	486	120
KBZ31.5	80	235	173	517	216	486	120
KBZ22.2	50	235	173	517	216	486	120
KBZ32.2	80	235	173	517	216	486	120
KBZ23.7	50	283	208	628	252	638	150
KBZ33.7	80	283	208	628	252	638	150
KBZ43.7	100	283	208	642	252	638	150
KBZ35.5	80	306	218	671	259	598	150
KBZ45.5	100	306	218	686	259	598	150

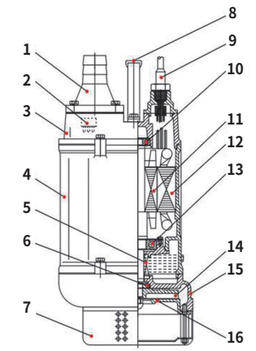
Hydraulic Performance Curves



Materials Table

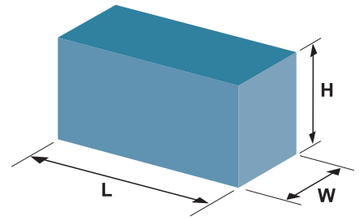
No.	Part	Material
1	Hose coupling	Cast iron
2	Thermal protector	
3	Upper cover	Cast iron
4	Motor cover	Cast iron
5	Oil seal	
6	Mechanical seal	Sic-Sic/Carbon-Sic (≤2.2 kW) Sic-Sic/Sic-Sic (≥3.7 kW)
7	Strainer	Steel
8	Handle	Steel

No.	Part	Material
9	Cable	
10	Bearing	
11	Rotor	
12	Stator	
13	Bearing	
14	Impeller	High chrome alloy
15	Pump body	Cast iron
16	Inlet plate	Ductile iron



Package Information

Model	N.W (kg)	G.W (kg)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
KBZ21.5	34.5	37.5	585	270	270	648
KBZ22.2	36	39	585	270	270	648
KBZ23.7	60	65	685	325	300	406
KBZ31.5	34.5	37	585	270	270	648
KBZ32.2	36	39	585	270	270	648
KBZ33.7	60	65	685	325	300	406
KBZ35.5	77	84	725	355	370	288
KBZ43.7	61	66	685	325	300	406
KBZ45.5	78	85	725	355	370	288



KBZ
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Pump

- Max. liquid temperature: +40℃
- Flow: up to 60 m^3/h
- Head: up to 57 m
- Power: 1.5 kW (2 HP) to 15kW (20 HP)
- Max. Immersion depth: 25 m
- The length of cable is optional

Motor

- Copper winding
- Insulation class: B
- Protection class: IP68

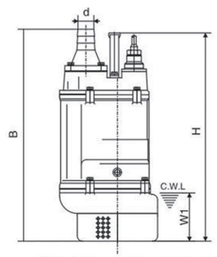
Identification Codes

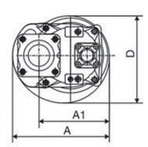
KBZ 4 7.5

- 7.5 — Power (kW)
- 4 — Outlet Diameter (")
- KBZ — Submersible Dewatering Pump

Technical Data

Model	Outlet	Power		Max head	Max flow		Impeller passage
	mm	kW	HP	m	m^3/h	m^3/min	mm
KBZ47.5	100	7.5	10	40	84	1.4	11.5
KBZ411	100	11	15	48.5	86.4	1.44	11.5
KBZ415	100	15	20	56	86.4	1.44	11.5
KBZ67.5	150	7.5	10	31	124.8	2.08	19.5
KBZ611	150	11	15	32	147	2.45	19.5
KBZ615	150	15	20	40	156	2.6	19.5

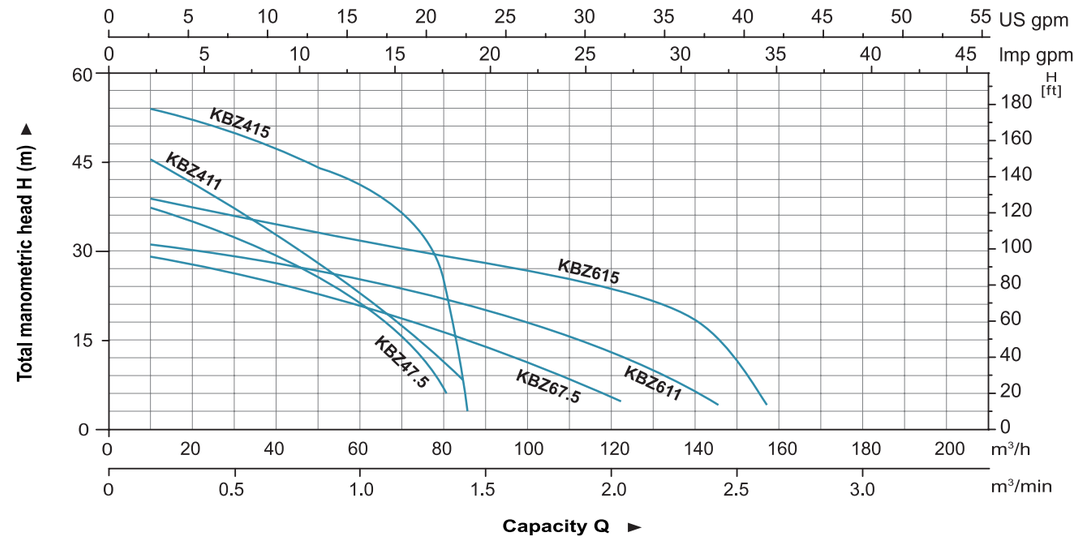




Dimension

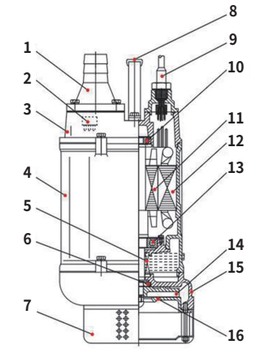
Model	d	A	A1	B	D	H	W1
KBZ47.5	100	330	240	764	314	676	190
KBZ411	100	373	255	807	350	695	190
KBZ67.5	150	330	240	790	314	676	190
KBZ611	150	373	255	807	350	695	190
KBZ415	100	373	255	842	350	755	190
KBZ415	100	373	255	842	350	755	190
KBZ615	150	373	255	842	350	755	190
KBZ615	150	373	255	842	350	755	190

Hydraulic Performance Curves



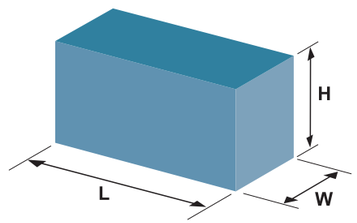
Materials Table

No.	Part	Material	No.	Part	Material
1	Hose coupling	Cast iron	9	Cable	
2	Thermal protector		10	Bearing	
3	Upper cover	Cast iron	11	Rotor	
4	Motor cover	Cast iron	12	Stator	
5	Oil seal		13	Bearing	
6	Mechanical seal	Sic-Sic/Carbon-Sic (≤2.2 kW) Sice-Sice/Sic-Sice (≥3.7 kW)	14	Impeller	High chrome alloy
7	Strainer	Steel	15	Pump body	Cast iron
8	Handle	Steel	16	Inlet plate	Ductile iron



Package Information

Model	N.W (kg)	G.W (kg)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
KBZ47.5	105	114	805	365	390	215
KBZ411	130	140	895	415	440	160
KBZ415	142	153	895	415	440	160
KBZ67.5	106	114	835	365	390	205
KBZ611	133	143	855	415	440	160
KBZ615	145	156	895	415	440	160



WQ(D) 0.75 - 7.5 kW

WQ 11 - 45 kW

Application

- Wastewater drainage in factories, construction sites and commercial facilities
- Drainage system in municipal sewage treatment plants
- Drainage station in residential quarters
- Municipal projects
- Methane pools and field irrigation in countryside

Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40ºC
- Liquid pH value: 5 – 9
- Max. liquid density: 1.2x10^{3}kg/m^3

Motor

- Copper winding
- Insulation class: **B**
- Protection class: IP68

Identification Codes

65 WQ D 15-10-1.1

- 65 — Outlet Diameter (mm)
- WQ — Submersible Sewage Pump
- D — Single Phase (Three phase without D)
- 15 — Rated Flow (m^3/h)
- 10 — Rated Head (m)
- 1.1 — Rated Power (kW)

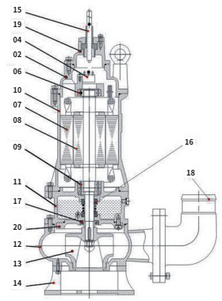
Technical Data

Model	Voltage	Motor Power		Outlet	Guide Rial Fitting	Max flow	Max head	Speed	Impeller passage	N.W	Packing dimension
	V	kW	HP	in		m^3/h	m	r.p.m	mm	kg	mm
50WQ10-10-0.75	380	0.75	1	2	50-50	28	13	3000	25	18	500*260*240
50WQD10-10-0.75	220	0.75	1	2	50-50	28	13	3000	25	19	500*260*240
50WQ8-16-1.1	380	1.1	1.5	2	50-50	25	19	3000	20	23.5	510*260*240
50WQD8-16-1.1	220	1.1	1.5	2	50-50	25	19	3000	20	24.5	520*260*240
65WQ15-10-1.1	380	1.1	1.5	2 1/2	50-65	28	15	3000	25	23.5	510*260*240
65WQD15-10-1.1	220	1.1	1.5	2 1/2	50-65	28	15	3000	25	24.5	520*260*240
50WQ8-20-1.5	380	1.5	2	2	50-50	25	22	3000	20	25	520*260*240
50WQD8-20-1.5	220	1.5	2	2	50-50	25	22	3000	20	26	520*260*240
65WQ15-15-1.5	380	1.5	2	2 1/2	50-65	35	20	3000	25	25	520*260*240
65WQD15-15-1.5	220	1.5	2	2 1/2	50-65	35	20	3000	25	26	520*260*240
50WQ15-20-2.2	380	2.2	3	2	50-50	38	23	3000	25	44	680*260*300
65WQ25-17-2.2	380	2.2	3	2 1/2	65-65	44	22	3000	25	42	680*260*300
80WQ40-9-2.2	380	2.2	3	3	65-80	65	16	3000	30	41	710*260*290
50WQ15-26-3	380	3	4	2	50-50	47	29	3000	25	49	710*260*290
65WQ25-22-3	380	3	4	2 1/2	65-65	55	26	3000	30	52	710*260*290
80WQ40-13-3	380	3	4	3	80-80	72	21	3000	30	51	740*240*290
100WQ60-9-3	380	3	4	4	80-100	88	19	3000	30	53	740*240*290
65WQ25-28-4	380	4	5.5	2 1/2	65-65	55	32	3000	25	61	770*260*230
80WQ40-18-4	380	4	5.5	3	80-80	80	24	3000	30	64	800*260*290
100WQ60-13-4	380	4	5.5	4	80-100	89	24	3000	30	65	800*260*290
50WQ15-40-5.5	380	5.5	7.5	2	50-50	50	43	3000	25	73	790*290*310
80WQ30-30-5.5	380	5.5	7.5	3	80-80	47	37	3000	30	73	810*290*320

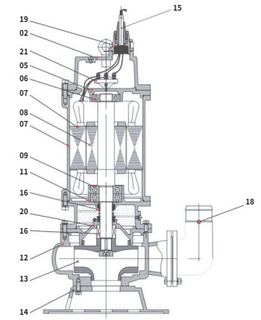
Model	Voltage	Motor Power		Outlet	Guide Rial Fitting	Max flow	Max head	Speed	Impeller passage	N.W	Packing dimension
	V	kW	HP	in		m^3/h	m	r.p.m	mm	kg	mm
100WQ65-15-5.5	380	5.5	7.5	4	100-100A	108	25	3000	30	79	820*300*350
100WQ45-22-7.5	380	7.5	10	4	100-100A	90	31	3000	35	115	1000*360*380
150WQ100-10-7.5	380	7.5	10	6	150-150	140	20	3000	35	115	1010*370*410
100WQ65-15-5.5(4P)	380	5.5	7.5	4	100-100	145	21	1500	55	126	1030*450*530
150WQ110-10-5.5(4P)	380	5.5	7.5	6	150-150	200	16	1500	55	153	1030*450*530
100WQ100-15-7.5(4P)	380	7.5	10	4	100-100	170	21	1500	55	156	1030*450*530
150WQ150-10-7.5(4P)	380	7.5	10	6	150-150	220	16	1500	75	163	1050*500*600
100WQ100-25-11(4P)	380	11	15	4	100-100	180	26	1500	50	221	500*600*1050
150WQ130-15-11(4P)	380	11	15	6	150-150	270	20	1500	50	239	500*600*1180
200WQ300-7-11(4P)	380	11	15	8	200-200	360	18	1500	65	252	500*600*1180
100WQ100-30-15(4P)	380	15	20	4	100-100	190	32	1500	50	239	500*600*1180
150WQ130-20-15(4P)	380	15	20	6	150-150	300	23	1500	50	259	500*600*1180
200WQ250-11-15(4P)	380	15	20	8	200-200	380	22	1500	65	274	500*600*1180
150WQ180-20-18.5(4P)	380	18.5	25	6	150-150	300	26	1500	50	300	510*640*1210
200WQ250-15-18.5(4P)	380	18.5	25	8	200-200	400	25	1500	65	300	510*640*1210
150WQ180-25-22(4P)	380	22	30	6	150-150	330	28	1500	50	324	510*640*1250
200WQ300-15-22(4P)	380	22	30	8	200-200	450	28	1500	65	324	510*640*1250
150WQ180-30-30(4P)	380	30	40	6	150-150	350	38	1500	70	445	630*660*1360
200WQ250-22-30(4P)	380	30	40	8	200-200	500	34	1500	70	446	660*690*1360
250WQ600-9-30(4P)	380	30	40	10	250-250	600	28	1500	70	446	660*710*1360
300WQ800-7-30(4P)	380	30	40	12	300-300	1000	18	1500	80	486	700*750*1450
150WQ160-45-37(4P)	380	37	50	6	150-150	380	43	1500	70	490	630*660*1360
200WQ350-25-37(4P)	380	37	50	8	200-200	500	38	1500	70	492	660*690*1360
250WQ600-12-37(4P)	380	37	50	10	250-250	720	32	1500	70	495	660*710*1360
300WQ900-8-37(4P)	380	37	50	12	300-300	1200	22	1500	80	535	700*750*1450
200WQ380-28-45(4P)	380	45	60	8	200-200	800	38	1500	70	545	660*710*1450
250WQ600-15-45(4P)	380	45	60	10	250-250	600	43	1500	70	545	660*710*1500
300WQ800-12-45(4P)	380	45	60	12	300-300	1300	25	1500	80	575	700*750*1600

Materials Table

Item No.	Part Name	Material
01	Handle	Steel
02	Upper cover	Cast iron
03	Capacitor	
04	Thermal protector	
05	Upper bearing seat	Cast iron
06	Bearing	
07	Stator	
08	Rotor	
09	Bearing	
10	Motor body	Cast iron
11	Bearing seat	Cast iron
12	Pump body	Cast iron
13	Impeller	Cast iron
14	Base	Cast iron
15	Cable	
16	Mechanical seal	Sic-Sic/Carbon-Ceramic(<7.5 kW) Sic-Sic/Sic-Sic(>7.5 kW)
17	Oil seal	
18	Hose coupling	Cast iron
19	Terminal box	Cast iron
20	Seal bracket	Cast iron
21	Wiring terminal	

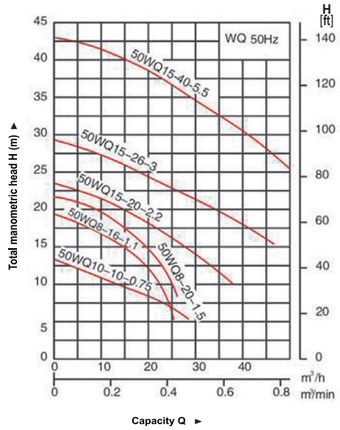


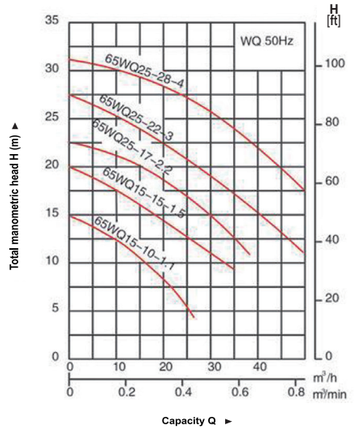
WQ(D) 0.75 - 7.5 kW

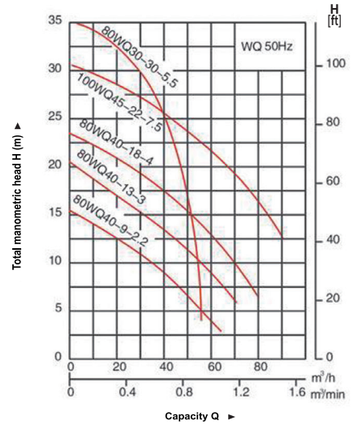


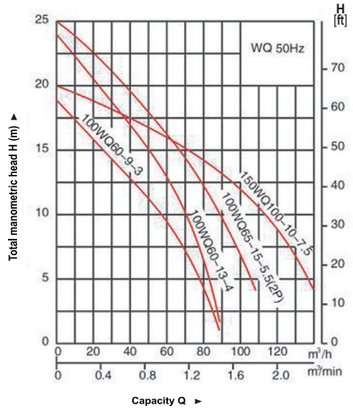
WQ 11 - 45 kW

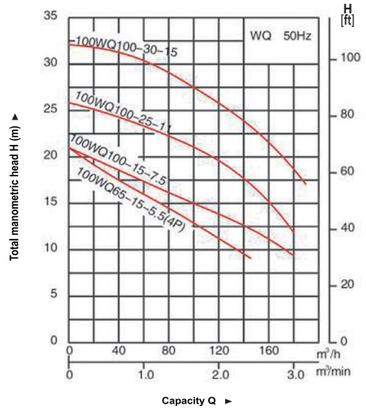
Hydraulic Performance Curves

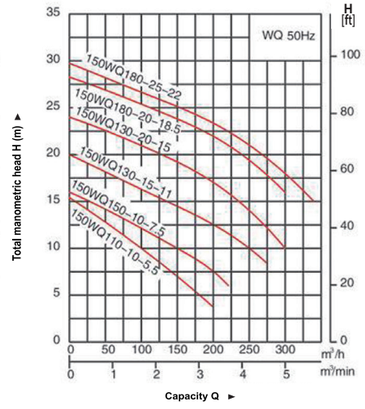


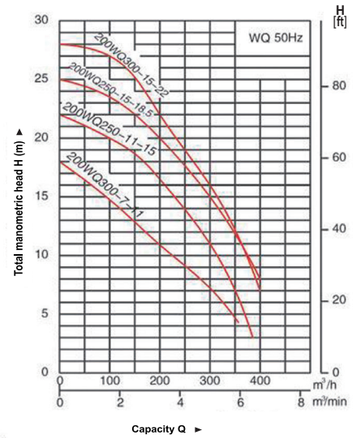


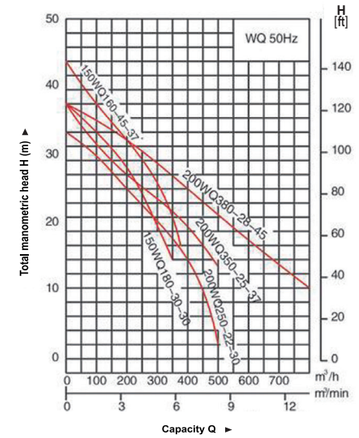


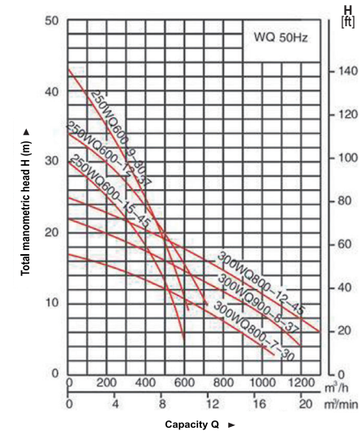




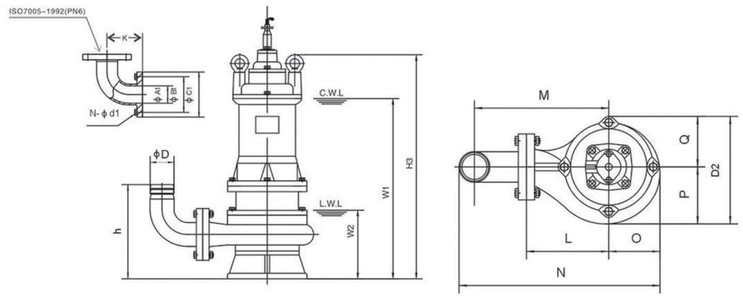






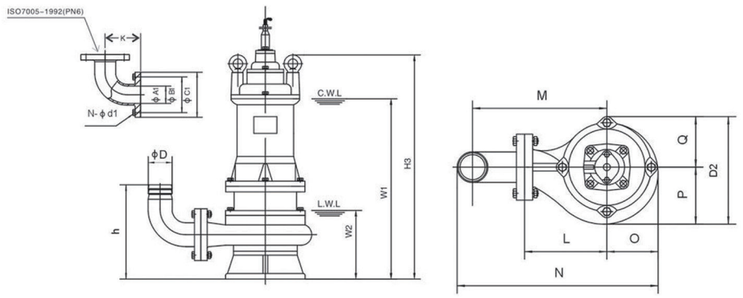


Dimension



Model	ΦD	ΦA1	ΦB1	ΦC1	n-Φd1	h	W1	W2	H3	K	N	O	P	Q	L	M	D2
50WQ10-10-0.75	50	50	110	140	4-Φ14	204	340	136	450	100	330	95	100	85	140	205	185
50WQD10-10-0.75	50	50	110	140	4-Φ14	204	340	136	450	100	330	95	100	85	140	205	185
50WQ8-16-1.1	50	50	110	140	4-Φ14	202	350	142	460	100	340	90	105	82	145	210	187
50WQD8-16-1.1	50	50	110	140	4-Φ14	202	370	142	480	100	340	90	105	82	145	210	187
65WQ15-10-1.1	65	50	110	140	4-Φ14	212	350	142	460	122	345	90	105	82	145	208	187
65WQD15-10-1.1	65	50	110	140	4-Φ14	212	370	142	480	122	345	90	105	82	145	208	187
50WQ8-20-1.5	50	50	110	140	4-Φ14	202	370	142	480	100	340	90	105	82	145	210	187
50WQD8-20-1.5	50	50	110	140	4-Φ14	202	390	142	500	100	340	90	105	82	145	210	187
65WQ15-15-1.5	65	50	110	140	4-Φ14	212	370	142	480	122	345	90	105	82	145	208	187
65WQD15-15-1.5	65	50	110	140	4-Φ14	212	390	142	500	122	345	90	105	82	145	208	187
50WQ15-20-2.2	50	50	110	140	4-Φ14	213	445	150	550	100	360	105	114	98	165	230	212
65WQ25-17-2.2	65	65	130	160	4-Φ14	223	445	150	550	122	365	105	115	100	165	228	215
80WQ40-9-2.2	80	65	130	160	4-Φ14	251	455	158	560	122	385	105	112	96	160	245	208
50WQ15-26-3	50	50	110	140	4-Φ14	212	464	150	570	100	360	105	115	97	165	230	212
65WQ25-22-3	65	65	130	160	4-Φ14	222	464	150	570	122	365	105	115	98	165	228	213
80WQ40-13-3	80	80	150	190	4-Φ18	262	490	177	595	140	380	105	115	98	155	235	213
100WQ60-9-3	100	80	150	190	4-Φ18	292	490	177	595	150	410	105	115	98	155	255	213
65WQ25-28-4	65	65	130	160	4-Φ14	241	502	170	612	122	390	115	125	110	180	243	235
80WQ40-18-4	80	80	150	190	4-Φ18	272	528	195	640	140	375	105	112	98	150	230	210
100WQ60-13-4	100	80	150	190	4-Φ18	302	528	195	640	150	405	105	112	98	150	250	210
50WQ15-40-5.5	50	50	110	140	4-Φ14	237	523	165	645	100	390	120	125	115	180	245	240
80WQ30-30-5.5	80	80	150	190	4-Φ18	270	540	182	660	140	405	110	115	105	175	255	220
100WQ65-15-5.5	100	100	170	210	4-Φ18	305	555	197	675	150	461	130	140	115	181	281	255
100WQ65-22-7.5	100	100	170	210	4-Φ18	340	660	265	820	150	495	140	150	130	205	305	280
150WQ100-10-7.5	150	150	225	265	8-Φ18	560	670	280	830	230	565	145	160	135	210	345	295

Dimension



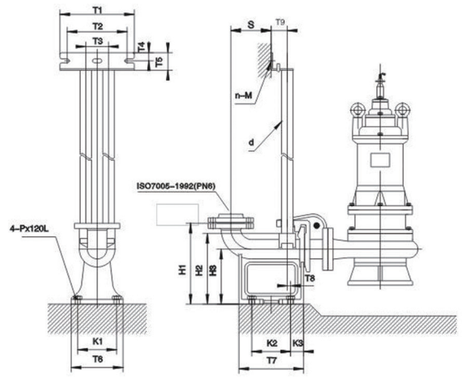
Model	ΦD	ΦA1	ΦB1	ΦC1	n-Φd1	h	W1	W2	H3	K	N	O	P	Q	L	M	D2
100WQ65-15-5.5(4P)	100	100	170	210	4-Φ18	362	677	268	835	150	620	190	200	175	280	380	375
150WQ110-10-5.5(4P)	150	150	225	265	8-Φ18	415	697	288	855	230	680	195	210	170	275	410	380
100WQ-100-15-7.5(4P)	100	100	170	210	4-Φ18	382	695	286	853	150	675	205	225	190	320	420	415
150WQ150-10-7.5(4P)	150	150	225	265	8-Φ18	420	708	300	866	230	705	195	216	170	300	345	386
100WQ100-25-11(4P)	100	100	170	210	4-Φ18	370	730	278	980	150	680	210	240	220	320	420	460
150WQ130-15-11(4P)	150	150	225	265	8-Φ18	450	780	331	1020	230	760	200	240	190	350	458	430
200WQ300-7-11(4P)	200	200	280	320	8-Φ18	590	780	327	1020	260	875	205	240	190	370	570	430
100WQ100-30-15(4P)	100	100	170	210	4-Φ18	370	770	278	1010	150	680	210	240	220	320	420	460
150WQ130-20-15(4P)	150	150	225	265	8-Φ18	450	820	331	1060	230	760	200	240	190	350	485	430
200WQ250-11-15(4P)	200	200	280	320	8-Φ18	590	820	327	1060	260	875	205	240	190	370	570	430
150WQ180-20-18.5(4P)	150	150	225	265	8-Φ18	450	885	331	1130	230	760	200	240	190	350	485	430
200WQ250-15-18.5(4P)	200	200	280	320	8-Φ18	590	885	327	1130	260	875	205	240	190	370	570	430
150WQ180-25-22(4P)	150	150	225	265	8-Φ18	450	915	331	1160	230	760	200	240	190	350	485	430
200WQ300-15-22(4P)	200	200	280	320	8-Φ18	590	915	327	1160	260	875	205	240	190	370	570	430
150WQ180-30-30(4P)	150	150	225	265	8-Φ18	463	972	390	1200	230	810	240	270	230	360	495	500
200WQ250-22-30(4P)	200	200	280	320	8-Φ18	593	960	380	1200	260	950	250	310	220	400	600	530
250WQ600-9-30(4P)	250	250	335	375	12-Φ18	665	1020	434	1250	300	1030	260	330	240	410	615	570
300WQ800-7-30(4P)	300	300	395	440	12-Φ18	750	1070	455	1300	350	1040	270	330	240	410	620	570
150WQ160-45-37(4P)	150	150	225	265	28-Φ18	463	972	390	1185	230	810	240	270	230	360	495	500
200WQ350-25-37(4P)	200	200	280	320	8-Φ18	593	960	380	1170	260	950	250	310	220	400	600	530
250WQ600-12-37(4P)	250	250	335	375	12-Φ18	665	1020	434	1230	300	1000	260	330	240	410	615	570
300WQ900-8-37(4P)	300	300	395	440	12-Φ22	750	1070	455	1280	350	1040	270	330	240	410	620	570
200WQ380-28-45(4P)	200	200	280	320	8-Φ18	560	1045	412	1250	260	950	250	310	220	400	600	530
250WQ600-15-45(4P)	250	250	335	375	12-Φ18	665	1065	434	1230	300	1000	260	330	240	410	615	570
300WQ800-12-45(4P)	300	300	395	440	12-Φ22	750	1110	455	1350	1040	1270	330	410	240	620	590	650

Guide Rail System

- Suitable for pumps with flange conforming ISO7005-92 standard.
- Automatic engagement with flanged elbow

Includes

- Duck-foot bend
- Guide hook
- Flange connector
- Upper guide support
- Bolts and lock washers
  (Foundation bolts and guide pipes are not included)



Model	T1	T2	T3	T4	T5	T6	T7	T8	T9	K1	K2	K3	S	H1	H2	H3	D	n-M	P	A
50-50	288	185	70	25	63	160	200	10	50	120	120	40	125	250	203	170	25	2-M10x40	M16	Φ110/4-Φ14
50-65	288	185	70	25	63	160	200	10	50	120	120	40	125	250	203	170	25	2-M10x40	M16	Φ110/4-Φ14
65-65	288	195	80	25	63	190	220	10	60	120	120	40	130	250	203	175	32	2-M10x40	M16	Φ130/4-Φ14
65-80	288	195	80	25	63	190	220	10	60	120	120	40	130	270	220	175	32	2-M10x40	M16	Φ130/4-Φ14
80-80	288	195	80	25	63	220	250	15	60	170	170	40	165	290	242	192	32	2-M10x40	M16	Φ150/4-Φ18
80-100	288	195	80	25	63	220	250	15	60	170	170	40	165	290	242	192	32	2-M10x40	M16	Φ150/4-Φ18
100-100	410	315	170	30	60	320	385	17	90	260	300	48	200	305	245	200	32	2-M12x50	M18	Φ170/4-Φ18
150-150	410	260	280	30	60	400	410	90	100	300	300	55	300	480	388	300	40	2-M12x60	M20	Φ225/8-Φ18
200-200	410	260	280	30	60	400	450	100	100	320	300	54	350	550	432	320	40	2-M12x60	M22	Φ280/8-Φ18
250-250	410	260	280	30	60	460	560	100	100	360	430	65	380	630	453	335	40	2-M12x60	M22	Φ335/12-Φ18