

B series 3-7.5 hp 2 pole submersible sewage pump



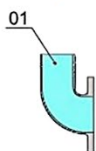
B, U, C, Z and G series submersible sewage pumps adopt the advantages of domestic and international products with comprehensive products with comprehensive improvements in hydraulic mold, mechanical structure, sealing, cooling, protection, etc. Our energy-saving products are highly effective in solid waste and passing long fibrous material with high efficiency and high reliability. Several installation methods are supports across our product range.

SPECIFICATION

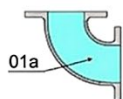
- Capacity: up to 163 GPM
- Head: up to 69 ft
- Power: 2.2 kW (3HP) to 5.5 kW (7.5HP)
- Power supply:
 - three phase 460V $\pm$ 10%, 60Hz
 - three phase 230V $\pm$ 10%, 60Hz
- Insulation class: F
- Protection class: IP68
- Cable length: 26ft
- water temperature: up to 104°F
- Max water depth: 32ft



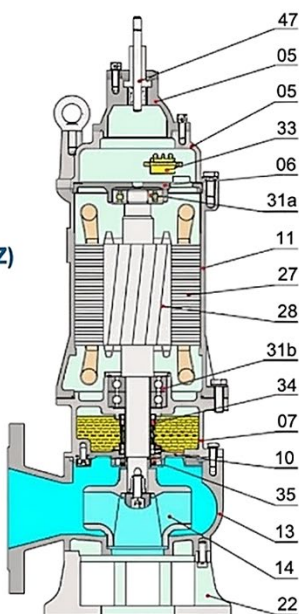
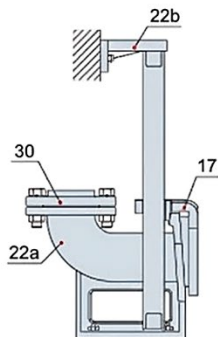
Movable Soft Pipe Installation (R)



Hard Pipe Installation(Y)



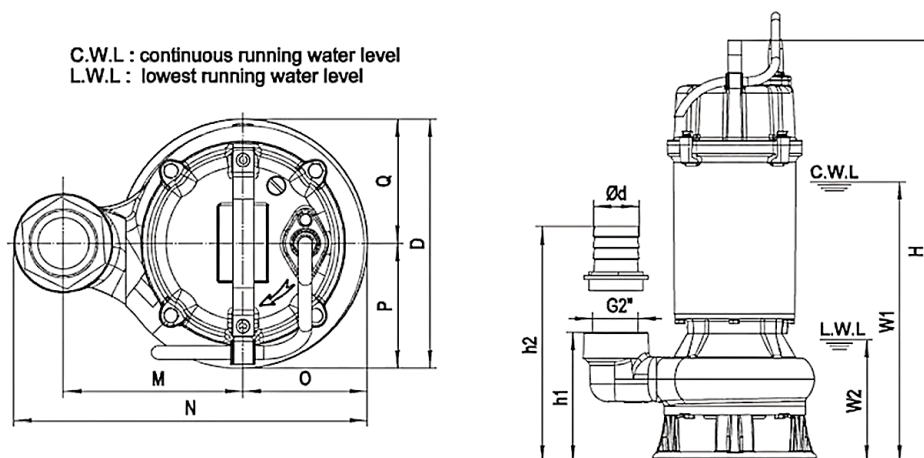
Auto-coupled Installation (Z)



Materials of components

Item No.	Part name	Material
01	Hose coupling	Cast iron
01a	Discharge connection	Cast iron
03	Terminal box	Cast iron
05	Upper cover	Cast iron
06	Up-Bearing house	Cast iron
07	Bearing house	Cast iron
10	Seal bracket	Cast iron
11	Motor body	Cast iron
13	Pump body	Cast iron
14	Impeller	Cast iron
17	Coupling adapter	Cast iron
22	Seat assembly	Cast iron
22a	Coupling seat	Cast iron
22b	Upper guide support	Cast iron
27	Stator	Cast iron
28	Rotor	Shaft : AISI304SS
30	Flange	Cast iron
31a	Bearing	Ball bearing
31b	Bearing	Ball bearing
33	Motor protector	
34	Mechanical seat	Sic-Sic/Carbon-Ceramic
35	Oil seal	
47	Cable	

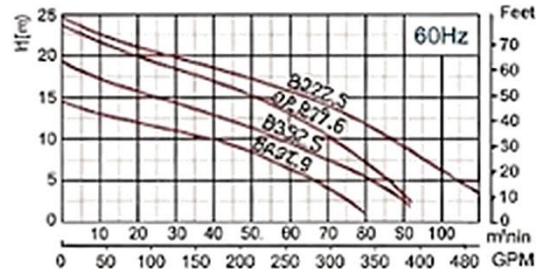
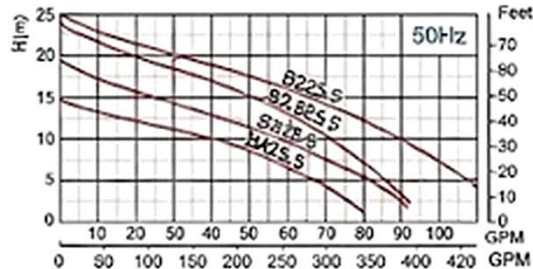
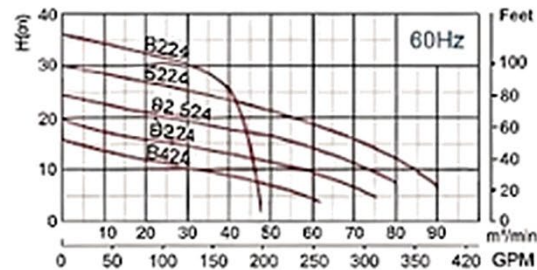
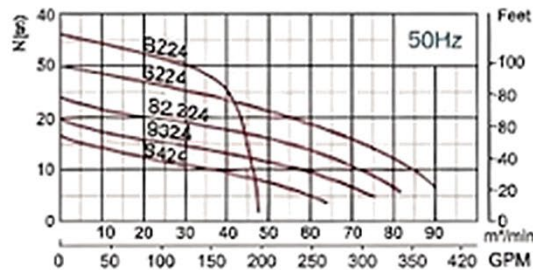
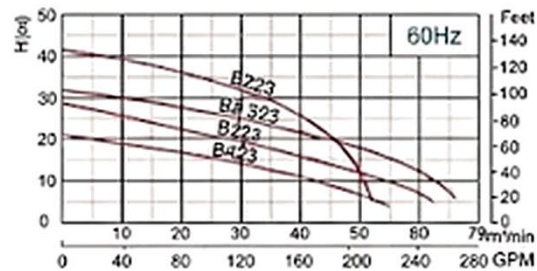
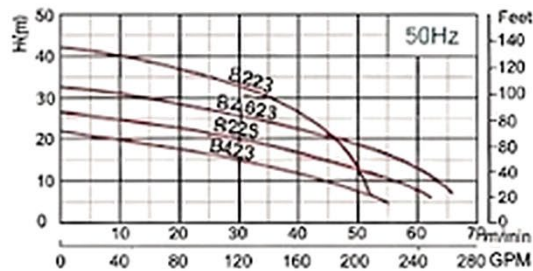
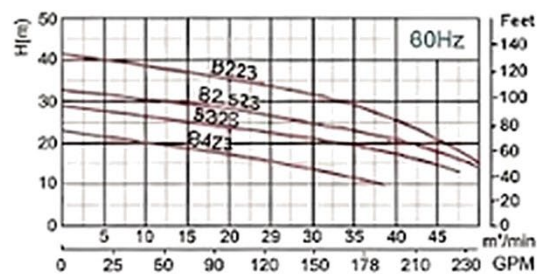
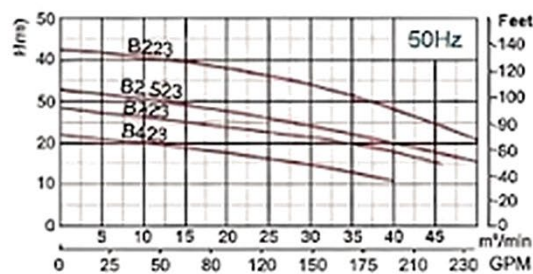
B series 3-7.5 hp 2 pole submersible sewage pump



Dimensions table

Model	Ød	h1	h2	W1	W2	H	O	P	Q	D	M	N	N.W	G.W	Packing dimension
													kg	kg	mm
B221	50	137	200	300	120	450	90	96	90	186	115	241	18.5	20	480×255×240
B221S	50	137	200	315	120	450	90	96	90	186	115	241	19.5	21	480×255×240
B221.5	50	143	206	325	120	464	90	90	90	180	130	256	22	23.5	495×255×240
B221.5S	50	143	206	325	120	464	90	90	90	180	130	256	23	24.5	495×255×240
B2.521.5	65	143	203	325	120	464	90	90	90	180	130	256	22	23.5	495×255×240
B2.521.5S	65	143	203	325	120	464	90	90	90	180	130	256	23	24.5	495×255×240
B222	50	143	206	345	120	484	90	90	90	180	130	256	23.5	25	515×255×240
B222S	50	143	206	345	120	484	90	90	90	180	130	256	26	27.5	515×255×240
B2.522	65	143	203	345	120	484	90	90	90	180	130	256	23.5	25	515×255×240
B2.522S	65	143	203	345	120	484	90	90	90	180	130	256	26	27.5	515×255×240

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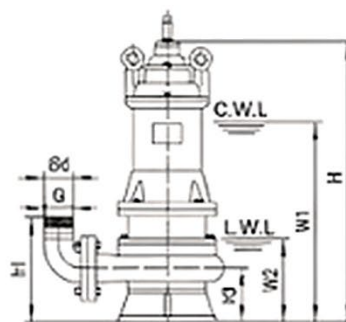
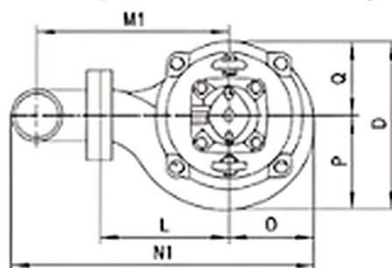
Model	Voltage	Current	Motor power		Outlet		Rated capacity	Rated head	Max capacity	Max head	Impeller passage	Cable
	V	A	kW	HP	in	mm	m³/h	m	m³/h	m	mm	mm²
B223	460	4.1	2.2	3	2	50	15	19	40	22	20	1.0
B2.523	460	4.1	2.2	3	2½	85	25	16	50	22	20	1.0
B323	460	4.1	2.2	3	3	80	40	9	64	18	30	1.0
B423	460	4.1	2.2	3	4	100	50	9	80	15	30	1.0
B224	460	5.4	3	4	2	50	15	25	48	28	20	1.5
B2.524	460	5.4	3	4	2½	65	25	22	58	26/29	20	1.5
B324	460	5.4	3	4	3	80	40	13	75	20	30	1.5
B424	460	5.4	3	4	4	100	80	9	92	10	30	1.5
B225.5	460	7.3	4	5.5	2	50	15	30	49	33	20	1.5
B2.525.5	460	7.3	4	5.5	2½	85	25	20/27	80	33	20	1.5
B325.5	460	7.3	4	5.5	3	80	40	19	91	24	30	1.5
B425.5	480	7.3	4	5.5	4	100	80	13	93	24	30	1.5
B227.5	480	9.7	5.5	7.5	2	50	15	40/38	52	42	20	2.5
B2.527.5	480	9.7	5.5	7.5	2½	85	25	35	52	42	20	2.5
B327.5	480	9.7	5.5	7.5	3	80	30	30	47	36	25	2.5
B327.5L	460	9.7	5.5	7.5	3	80	40	23	89	30	35	2.5
B427.5	460	9.7	5.5	7.5	4	100	65	15	110	25	30	2.5



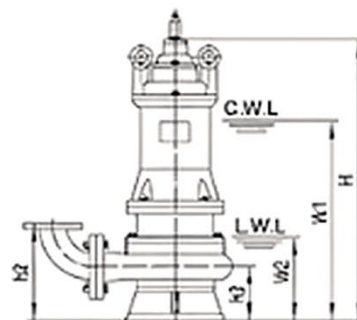
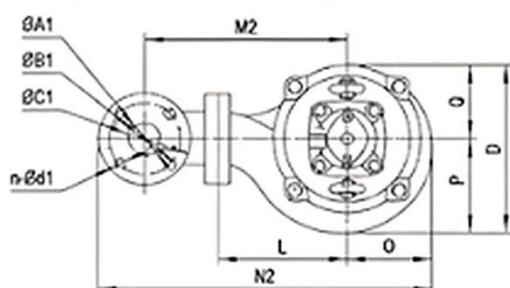
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Movable Soft Pipe Installation (R)



Hard Pipe Installation(Y)



C.W.L : continuous running water level
L.W.L : lowest running water level

Dimensions table

Model	Ød	G	ØA1	ØB1	ØC1	n-Ød1	h1	h2	h3	W1	W2	H	O	P	Q	L	D	M1	M2	N1	N2
B223	50	G1½"	50	110	140	4-Ø14	211	205	106	410	145	573	106	115	100	164	213	230	266	362	442
B2.523	65	G2"	85	130	160	4-Ø14	226	226	106	410	145	573	108	116	100	164	216	236	288	376	474
B323	80	G2½"	80	150	190	4-Ø18	257	252	112	415	150	580	108	116	100	180	216	232	302	398	505
B423	100	—	100	170	210	4-Ø18	293	272	122	425	160	589	107	116	100	164	216	266	318	422	574
B224	50	G1½"	50	110	140	4-Ø14	211	205	105	425	145	600	106	113	100	164	213	230	266	362	442
B2.524	65	G2"	85	130	160	4-Ø14	226	226	106	425	145	600	108	115	100	164	216	236	268	376	474
B324	80	G2½"	80	150	190	4-Ø18	265	263	124	460	170	628	108	116	100	164	216	246	296	391	498
B424	100	—	100	170	210	4-Ø18	293	272	122	450	170	624	107	116	100	184	216	266	316	422	528
B225.5	50	G1½"	50	110	140	4-Ø14	235	220	121	465	160	618	115	116	115	179	231	245	291	396	466
B2.525.5	65	G2"	85	130	160	4-Ø14	240	240	121	465	160	618	115	115	115	175	231	231	301	396	496
B325.5	80	G2½"	80	150	190	4-Ø18	276	272	133	480	185	643	115	115	115	160	230	232	302	405	512
B425.5	100	—	100	170	210	4-Ø18	293	283	155	490	185	643	115	115	115	175	230	277	327	441	547
B227.5	50	G1½"	50	110	140	4-Ø14	233	228	128	475	160	687	125	128	125	175	253	241	277	382	472
B2.527.5	65	G2"	85	130	160	4-Ø14	248	248	128	475	180	687	125	125	125	175	253	247	297	404	502
B2.527.5	80	G2½"	85	150	190	4-Ø18	274	268	128	495	175	683	125	125	125	175	230	267	317	430	537
B327.5	80	G2½"	80	150	190	4-Ø18	277	272	132	495	175	697	125	128	125	180	253	272	332	439	537
100B25.5	100	—	100	170	210	4-Ø18	385	285	135	505	190	697	125	140	125	181	265	283	333	461	567

Weights & Packing dimensions

Model	R			Y		
	N.W	G.W	Packing dimension	N.W	G.W	Packing dimension
	kg	kg	mm	kg	kg	mm
B223	42	48	690×280×315	44	50	690×280×315
B2.523	42	50	690×280×315	48	54	690×280×315
B323	47	52	710×280×315	51	58	710×280×325
B423	48	53	720×280×345	52	57	720×280×365
B224	50	55	710×280×315	52	57	710×280×315
B2.524	51	57	710×280×315	55	61	710×280×315
B324	55	60	750×280×325	63	64	750×280×335
B424	57	63	750×280×345	63	69	750×280×365
80B25.5L	59	65	745×280×335	61	67	780×280×335

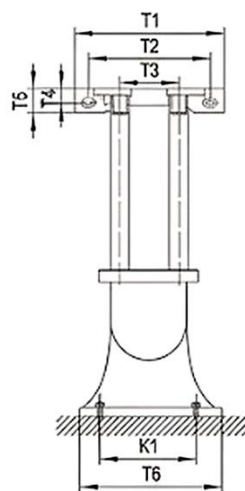
Model	R			Y		
	N.W	G.W	Packing dimension	N.W	G.W	Packing dimension
	kg	kg	mm	kg	kg	mm
B227.5	58	66	745×280×335	62	70	780×280×335
B2.527.5	62	68	765×280×325	66	70	800×280×335
B327.5	64	70	765×280×355	70	78	800×380×375
B327.5	74	81	790×290×355	78	83	780×280×365
B227.5	76	82	790×290×355	80	84	790×290×365
B2.527.5	77	83	800×290×335	81	87	800×290×365
B327.5	77	83	800×290×335	81	87	800×290×365
80B25.5L	81	89	810×300×375	87	95	910×300×305



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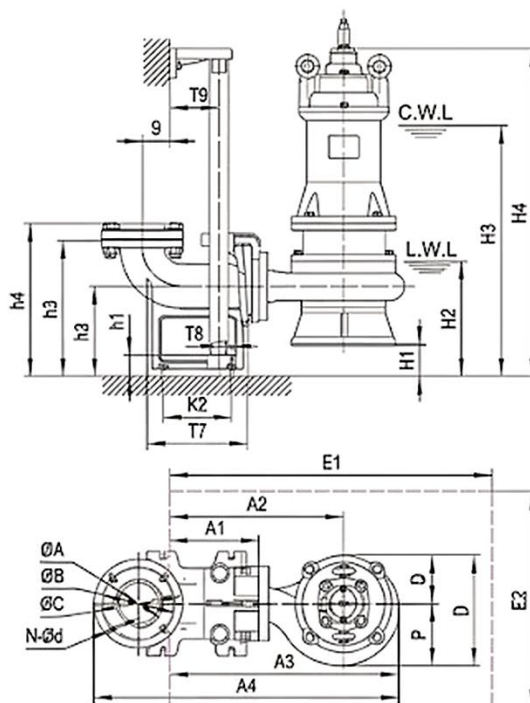


Auto-Coupled Installation (Z)



C.W.L : continuous running water level
L.W.L : lowest running water level

The coupling and pump will be packed individually, weights and packing dimensions in table only refer to the pump, please refer to the page of TO auto coupling to check coupling's weights and packing dimensions.



Dimensions table

Auto coupling	ØA	ØB	ØC	N-Ød	T1	T2	T3	T4	T5	T6	T7	T8	T9	K1	K2	S	h1	h2	h3	h4
TO 50-50(PN6)	Ø50 / G2"	110	140	4-Ø14	285	215	105	22	42	200	215	15	67	163	135	65	25	160	260	276
TO 65-65(PN6)	Ø65 / G2½"	130	160	4-Ø14	280	235	125	25	50	230	235	20	70	190	185	60	25	170	265	291
TO 80-80(PN6)	Ø80 / G3"	150	190	4-Ø18	315	265	145	27	50	235	230	33	75	215	155	79	25	185	305	335
TO 100-100(PN6)	Ø100 / G4"	170	210	4-Ø18	365	305	170	30	25	293	292	34	95	285	179	67	23	225	350	381

Dimensions table

Model	Auto coupling	H1	H2	H3	H4	A1	A2	A3	A4	P	Q	D	E1x2	Pump weight & packing dimension		
														N.W	G.W	Packing dimension
B223	50-50(PN6)	54	199	494	627	167	321	427	562	113	100	215	650x550	40	46	690x260x315
B2.523	65-65(PN6)	65	210	475	638	167	321	429	599	115	100	215	650x550	42	46	690x260x315
B323	80-80(PN6)	73	223	489	653	183	343	451	625	116	100	215	650x550	42	47	710x260x315
B423	100-100(PN6)	103	283	528	651	203	387	474	676	116	100	215	650x550	42	47	720x260x345
B224	50-50(PN6)	55	200	480	654	157	321	427	562	113	100	213	650x550	48	53	710x260x315
B2.524	65-65(PN6)	65	210	480	654	157	321	429	589	116	100	215	650x550	48	54	710x260x315
B324	80-80(PN6)	81	231	511	689	183	337	445	619	116	100	215	650x550	50	55	750x240x325
B424	100-100(PN6)	103	223	553	728	203	387	474	678	116	100	215	700x550	51	57	750x260x345
B225.5	50-50(PN6)	39	200	495	665	157	336	451	658	115	115	231	650x550	57	63	745x260x335
B2.525.5	85-50(PN6)	49	209	504	665	157	335	451	621	115	115	231	650x550	58	61	745x260x335
B325.5	80-80(PN6)	82	227	532	605	183	343	458	692	115	115	230	650x550	57	63	765x260x335
B425.5	100-100(PN6)	82	277	572	783	203	378	483	685	115	115	230	700x550	58	64	765x280x335
B227.5	50-55(PN6)	32	102	557	690	157	332	457	692	128	125	235	650x550	72	79	790x290x335
B2.527.5	85-60(PN6)	42	200	530	708	157	332	457	627	125	125	225	650x550	73	79	790x290x335
B327.5	80-60(PN6)	56	230	550	739	183	333	483	627	125	125	250	700x550	72	79	800x290x335
B327.5L	80-56(PN6)	33	230	530	740	183	383	488	682	128	125	253	700x550	72	78	800x280x355
B427.5	100-100(PN6)	90	280	595	789	203	384	513	715	140	125	285	700x550	78	83	810x200x375

