

B, U, C, Z and G series submersible sewage pump, adopts the advantages of domestic and international products with comprehensive improvements in hydraulic mould, mechanical structure, sealing, cooling, protection, etc. Our energy-saving products are highly effective in solid wastes and keeping long fiber away from impeller with high efficiency and high reliability. Several installation methods are supported across our product range. B pump incorporates a channel impeller developed for solids handling pumps. The impeller has a wide channel extending from inlet to exit, which prevents internal clogging caused by solids sucked into the inlet.

APPLICATION

- Civil engineering, building sites, basements or other utility pits, rainwater and mud water

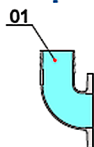
SPECIFICATION

- Water temperature: up to 104°F
- PH: 6 to 10
- Power supply: Three phase 460V $\pm$ 10%, 60Hz
- Insulation class: F
- Protection class: IP68
- Density: up to 1.3 SG
- Cable length: 33ft
- Max water depth: 66ft
- Capacity: up to 8,360 GPM
- Head: up to 216ft

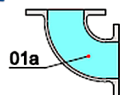


Model	Outlet	Outlet	Motor Power		Rated current	Rate capacity		Rated head	Rated head	max capacity		Impeller passage
	mm	inch	kW	HP	A	m ³ /h	GPM	m	ft	m ³ /h	GPM	mm
B8475	200	8	55	75	127	300	1320	33	108	630	2772	80
B10475	250	10	55	75	127	500	2200	25	82	920	4048	90
B12475	300	12	55	75	127	800	3520	18	59	1210	5324	90
B84100	200	8	75	100	171	300	1320	44	144	650	2860	80
B104100	250	10	75	100	171	500	2200	34	112	1000	4400	90
B124100	300	12	75	100	171	800	3520	25	82	1250	5500	90
B84120	200	8	90	120	202	300	1320	53	174	630	2772	80
B104120	250	10	90	120	202	500	2200	40	131	1000	4400	90
B124120	300	12	90	120	202	800	3520	28	92	1200	5280	90
B16660	400	16	45	60	103	1200	5280	11	36	1700	7480	120
B16675	400	16	55	75	127	1200	5280	13	43	1800	7920	120

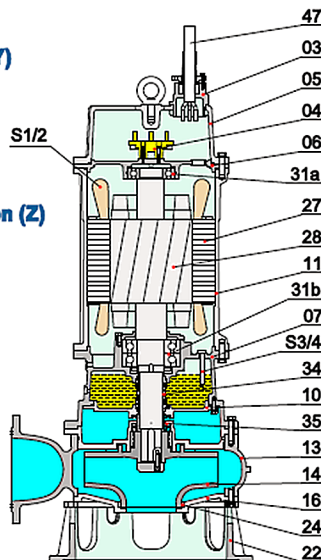
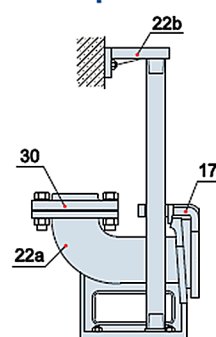
Movable Soft Pipe Installation (R)



Hard Pipe Installation(Y)

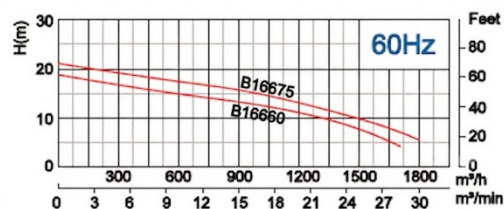
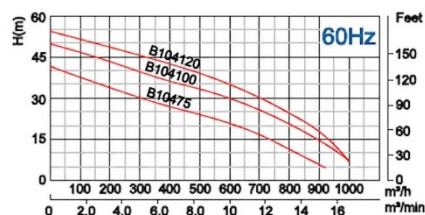
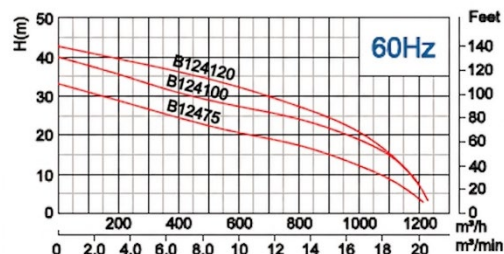
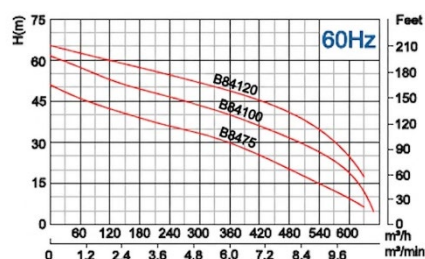


Auto-coupled Installation (Z)

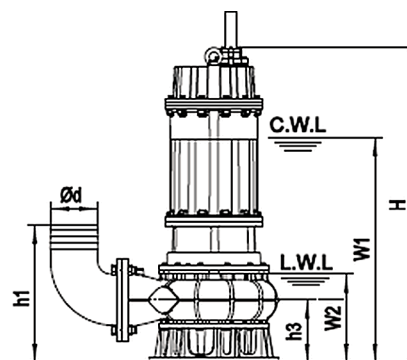
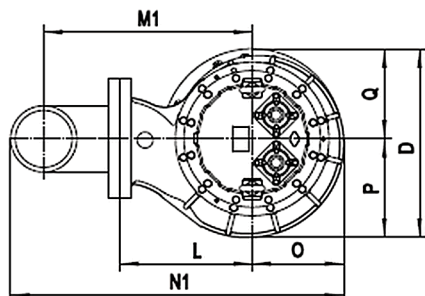


Materials of components

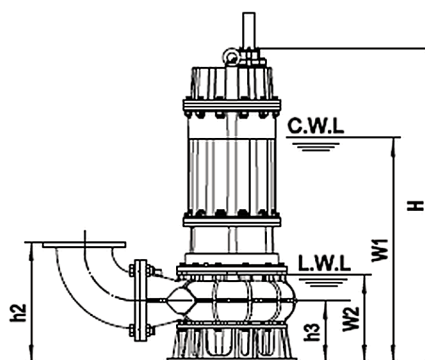
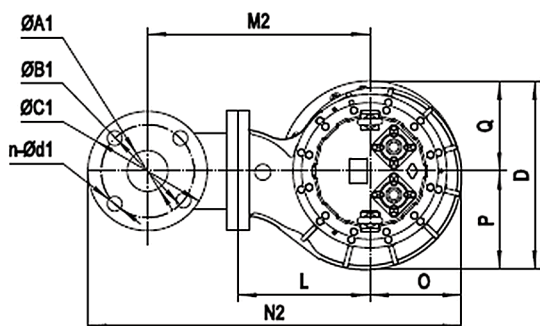
Item No.	Part name	Material
01	Hose coupling	Cast iron
01a	Discharge connection	Cast iron
03	Terminal box	Cast iron
04	Wiring terminal	
05	Upper cover	Cast iron
06	Up-Bearing house	Cast iron
07	Bearing house	Cast iron
10	Seal bracket	Cast iron
11	Motor body	Cast iron
13	Pump body	Cast iron
14	Impeller	Ductile iron
16	Inlet plate	Cast iron
17	Coupling adapter	Cast iron
22	Seat assembly	Cast iron
22a	Coupling seat	Cast iron
22b	Upper guide support	Cast iron
24	Neck ring	High chrome alloy
27	Stator	
28	Rotor	Shaft : AISI420SS
30	Flange	Cast iron
31a	Bearing	Ball bearing
31b	Bearing	Angular contact bearing
34	Mechanical seal	SiC-SiC/SiC-SiC
35	Oil seal	
47	Cable	
S1/2	Overheat protector	
S3/4	Oil water leakage probe	



Movable Soft Pipe Installation (R)



Hard Pipe Installation(Y)



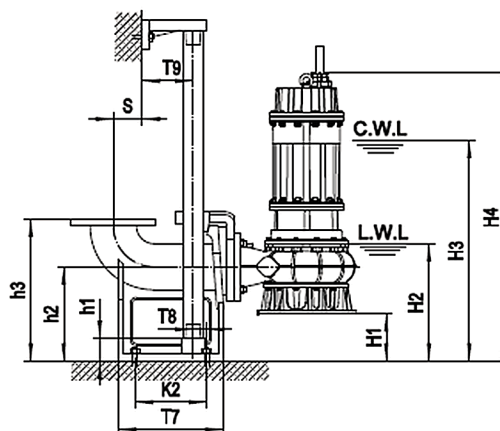
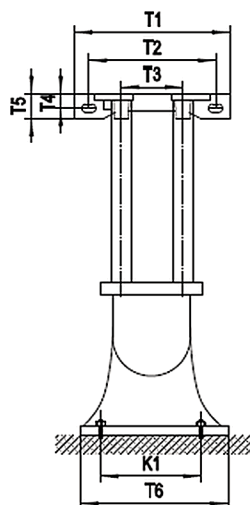
C.W.L. : continuous running water level
L.W.L. : lowest running water level

Model	Ød	ØA1	ØB1	ØC1	n-Ød1	h1	h2	h3	W1	W2	H	O	P	Q	L	D	M1	M2	N1	N2
B8475	200	200	295	340	8-Ø22	604	524	294	1000	400	1477	321	323	321	440	644	644	674	1064	1164
B10475	250	250	350	395	12-Ø22	—	697	312	1030	440	1513	324	349	321	460	670	—	848	—	1370
B12475	300	300	400	445	12-Ø22	—	789	329	1060	470	1548	358	398	321	490	719	—	953	—	1534
B84100	200	200	295	340	8-Ø22	604	524	294	1060	400	1477	321	323	321	440	644	644	674	1064	1164
B104100	250	250	350	395	12-Ø22	—	697	312	1090	440	1513	324	349	321	460	670	—	848	—	1370
B124100	300	300	400	445	12-Ø22	—	789	329	1120	470	1548	358	398	321	490	719	—	953	—	1534
B84120	200	200	295	340	8-Ø22	604	524	294	1110	400	1527	321	323	321	440	644	644	674	1064	1164
B104120	250	250	350	395	12-Ø22	—	697	312	1140	440	1563	324	349	321	460	670	—	848	—	1370
B124120	300	300	400	445	12-Ø22	—	789	329	1170	470	1598	358	398	321	490	719	—	953	—	1534
B16660	400	400	515	565	16-Ø26	—	974	364	1190	540	1674	428	488	366	600	854	—	1213	—	1924
B16675	400	400	515	565	16-Ø26	—	974	364	1230	540	1674	428	488	366	600	854	—	1213	—	1924

Model	R			Y		
	N.W	G.W	Packing dimension	N.W	G.W	Packing dimension
	kg	kg	mm	kg	kg	mm
B8475	809	841	940×720×1870	817	849	940×720×1870
B10475	802	834	860×740×1910	849	881	860×740×1910
B12475	829	864	920×790×1940	879	914	920×790×1940
B84100	884	916	940×720×1870	892	924	940×720×1870
B104100	872	904	860×740×1910	919	951	860×740×1910
B124100	903	938	920×790×1940	953	988	920×790×1940

Model	R			Y		
	N.W	G.W	Packing dimension	N.W	G.W	Packing dimension
	kg	kg	mm	kg	kg	mm
B84120	940	985	940×720×1870	948	993	940×720×1870
B104120	930	975	860×740×1910	977	1022	860×740×1910
B124120	970	1015	920×790×1940	1020	1065	920×790×1940
B16660	930	975	1100×930×2010	975	1020	1100×930×2010
B16675	978	1023	1100×930×2010	1028	1073	1100×930×2010

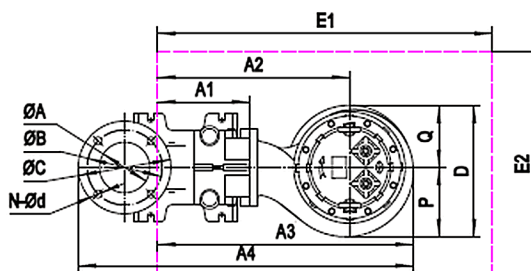
Auto-Coupled Installation (Z)



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
TO 200-200(PN10)	Ø200	295	330	8-Ø22	400	260	280	24	48	400	445	103	95	298	350	230	440	320	555
TO 250-250(PN10)	Ø250	350	395	12-Ø22	400	260	280	24	48	455	555	101	95	360	430	301	495	350	665
TO 300-300(PN10)	Ø300	400	445	12-Ø22	480	305	340	31	62	550	570	66	111	410	410	284	570	405	730
TO 400-400(PN10)	Ø400	515	565	16-Ø26	500	325	360	31	62	620	665	84	113	490	510	362	780	560	960

Model	Auto coupling	H1	H2	H3	H4	A1	A2	A3	A4	P	Q	D	E1×E2	Pump weight & packing dimension		
														N.W	G.W	Packing dimension
B8475	200-200(PN10)	26	426	1026	1503	291	731	1052	1447	323	321	644	1300×800	787	820	940×720×1870
B10475	250-250(PN10)	38	478	1068	1551	312	772	1096	1595	349	321	670	1300×800	802	834	860×740×1910
B12475	300-300(PN10)	76	546	1136	1624	334	824	1182	1689	398	321	719	1400×900	829	864	920×790×1940
B84100	200-200(PN10)	26	426	1086	1503	291	731	1052	1447	323	321	644	1300×800	861	893	940×720×1870
B104100	250-250(PN10)	38	478	1128	1551	312	772	1096	1595	349	321	670	1300×800	872	904	860×740×1910
B124100	300-300(PN10)	76	546	1196	1624	334	824	1182	1689	398	321	719	1400×900	903	938	920×790×1940
B84120	200-200(PN10)	26	426	1136	1553	291	731	1052	1447	323	321	644	1300×800	918	963	940×720×1870
B104120	250-250(PN10)	38	478	1178	1601	312	772	1096	1595	349	321	670	1300×800	930	975	860×740×1910
B124120	300-300(PN10)	76	546	1246	1674	334	824	1182	1689	398	321	719	1400×900	970	1015	920×790×1940
B16660	400-400(PN10)	196	736	1386	1870	348	948	1376	2020	488	366	854	1600×1000	930	975	1100×930×2010
B16675	400-400(PN10)	196	736	1426	1870	348	948	1376	2020	488	366	854	1600×1000	978	1023	1100×930×2010