

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

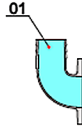
SPECIFICATION

- 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 4,752 GPM
- Head: up to 184ft

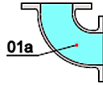


Model	Outlet		Motor Power		Rated current	Rate capacity		Rated head	Rated head	max capacity		Impeller passage
	mm	inch	kW	HP		m ³ /h	GPM			m ³ /h	GPM	
B6440	150	6	30	40	70	150	660	34	112	310	1364	16
B8440	200	8	30	40	70	300	1320	21	69	570	2508	16
B10440	250	10	30	40	70	500	2200	14	46	800	3520	16
B12440	300	12	30	40	70	800	3520	8	26	1040	4576	16
B6450	150	6	37	50	84	150	660	40	131	330	1452	16
B8450	200	8	37	50	84	300	1320	25	82	620	2728	16
B10450	250	10	37	50	84	500	2200	18	59	860	3784	16
B12450	300	12	37	50	84	800	3520	11	36	1060	4664	16
B6460	150	6	45	60	102	150	660	45	148	350	1540	10+10
B8460	200	8	45	60	102	300	1320	30	98	660	2904	10+10
B10460	250	10	45	60	102	500	2200	21	69	900	3960	10+10
B12460	300	12	45	60	102	800	3520	14	46	1080	4752	10+10

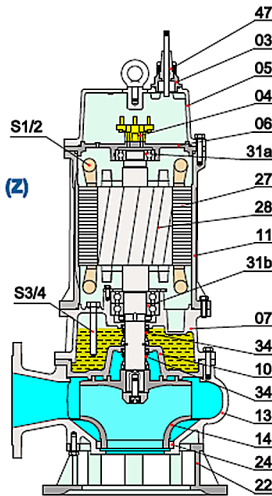
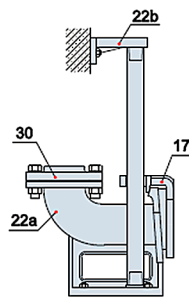
Movable Soft Pipe Installation (R)



Hard Pipe Installation(Y)

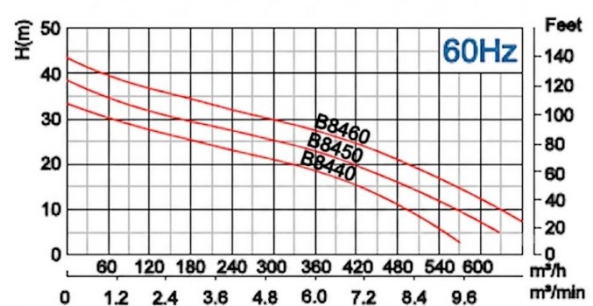
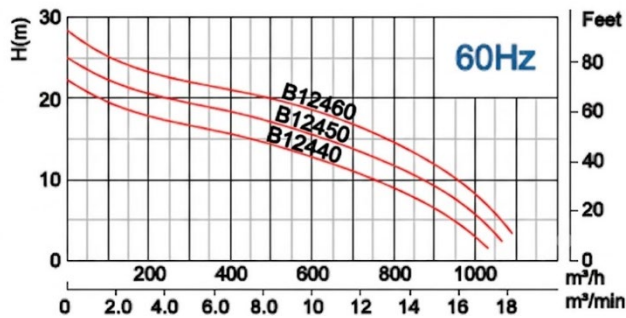
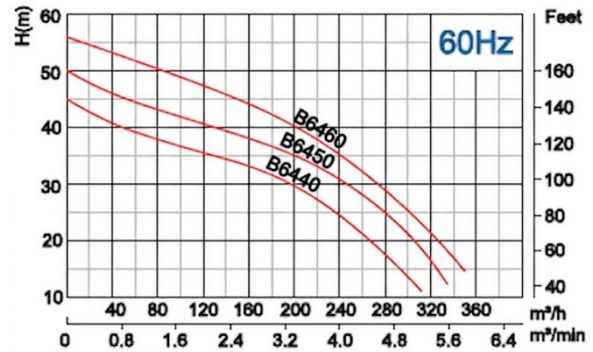
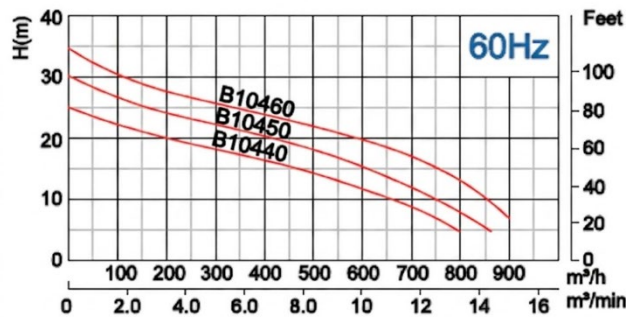


Auto-coupled Installation (Z)

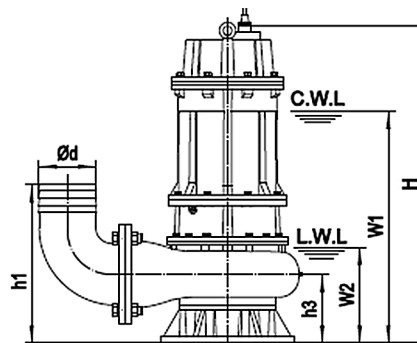
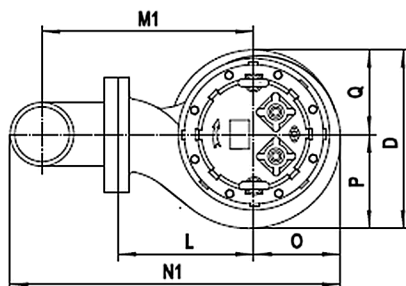


Materials of components

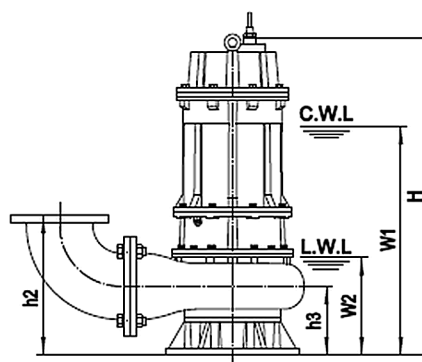
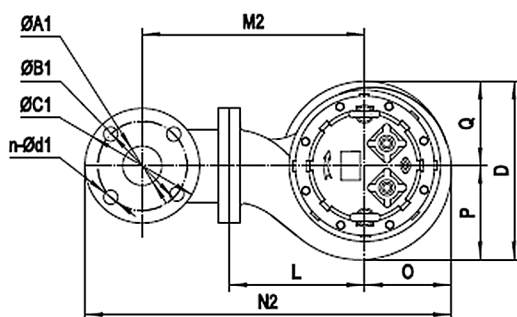
Item No.	Part name	Material
01	Hose coupling	Cast iron
01a	Discharge connection	Cast iron
03	Terminal box	Cast iron
04	Wiring terminal	
05	Upper cover	Cast iron
06	Up-Bearing house	Cast iron
07	Bearing house	Cast iron
10	Seal bracket	Cast iron
11	Motor body	Cast iron
13	Pump body	Cast iron
14	Impeller	Ductile iron
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
47	Cable	
S1/2	Overheat protector : on option	
S3/4	Oil water leakage probe : on option	



Movable Soft Pipe Installation (R)



Hard Pipe Installation(Y)



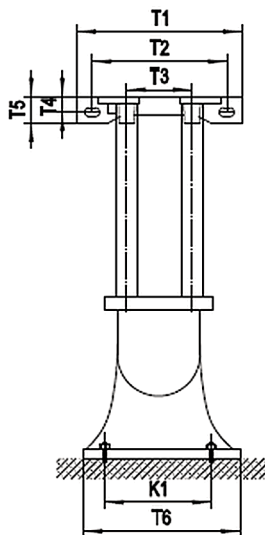
C.W.L : continuous running water level
L.W.L : lowest running water level

Model	Ød	ØA1	ØB1	ØC1	n-Ød1	h1	h2	h3	W1	W2	H	O	P	Q	L	D	M1	M2	N1	N2
B6440	150	150	240	285	8-Ø22	477	452	252	855	340	1201	273	284	272	380	556	533	583	881	999
B8440	200	200	295	340	8-Ø22	582	502	272	895	380	1241	288	310	272	390	582	594	624	982	1082
B10440	—	250	350	395	12-Ø22	—	662	277	880	400	1216	301	333	272	410	605	—	798	—	1297
B12440	—	300	400	445	12-Ø22	—	772	312	930	450	1265	340	387	292	480	679	—	943	—	1505
B6450	150	150	240	285	8-Ø22	477	452	252	850	340	1252	273	284	272	380	556	533	583	881	999
B8450	200	200	295	340	8-Ø22	582	502	272	890	380	1292	288	310	272	390	582	594	624	982	1082
B10450	—	250	350	395	12-Ø22	—	662	277	870	400	1267	301	333	272	410	605	—	798	—	1297
B12450	—	300	400	445	12-Ø22	—	772	312	920	450	1316	340	387	292	480	679	—	943	—	1505
B6460	150	150	240	285	8-Ø22	477	452	252	890	340	1246	273	284	272	380	556	533	583	881	999
B8460	200	200	295	340	8-Ø22	582	502	272	930	380	1286	288	310	272	390	582	594	624	982	1082
B10460	—	250	350	395	12-Ø22	—	662	277	910	400	1261	301	333	272	410	605	—	798	—	1297
B12460	—	300	400	445	12-Ø22	—	772	312	960	450	1310	340	387	292	480	679	—	943	—	1505

Model	R			Y		
	N.W	G.W	Packing dimension	N.W	G.W	Packing dimension
	kg	kg	mm	kg	kg	mm
B6440	497	519	780×600×1440	505	527	780×600×1440
B8440	519	541	840×620×1480	527	549	840×620×1480
B10440	512	535	780×650×1500	559	582	780×650×1500
B12440	557	581	860×720×1550	602	626	860×720×1550
B6450	557	579	780×600×1490	565	587	780×600×1490
B8450	576	598	840×620×1530	584	606	840×620×1530

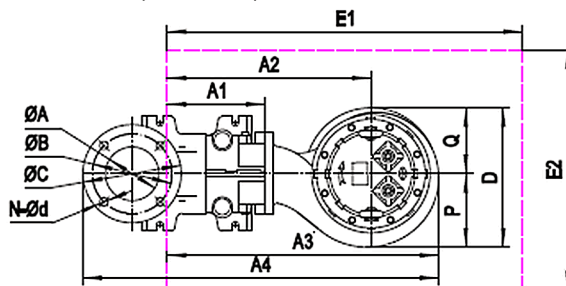
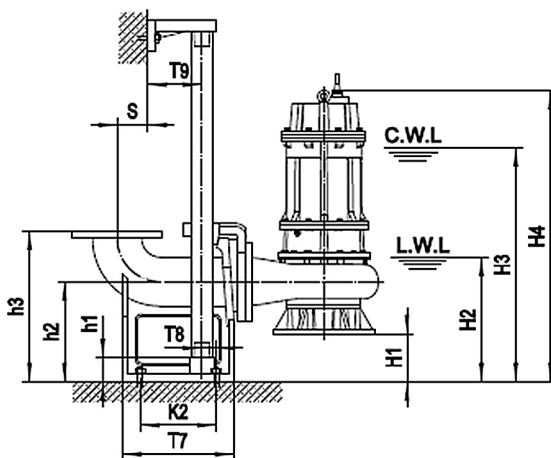
Model	R			Y		
	N.W	G.W	Packing dimension	N.W	G.W	Packing dimension
	kg	kg	mm	kg	kg	mm
B10450	570	593	780×650×1550	617	640	780×650×1550
B12450	614	638	860×720×1600	659	683	860×720×1600
B6460	593	615	780×600×1490	601	623	780×600×1490
B8460	612	634	840×620×1530	620	642	840×620×1530
B10460	606	629	780×650×1550	653	676	780×650×1550
B12460	650	674	860×720×1600	695	719	860×720×1600

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 150-150(PN10)	Ø150	240	285	8-Ø22	400	260	280	24	48	360	410	90	95	285	300	195	390	300	480
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

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
B6440	150-150(PN10)	48	388	903	1249	288	668	941	1279	284	272	556	1150×700	485	507	780×600×1440
B8440	200-200(PN10)	48	428	943	1289	291	681	969	1364	310	272	582	1150×800	494	516	840×620×1480
B10440	250-250(PN10)	73	475	955	1289	312	722	1023	1522	333	272	605	1250×800	512	535	780×650×1500
B12440	300-300(PN10)	93	543	1023	1358	334	814	1154	1661	387	292	679	1400×800	557	581	860×720×1550
B6450	150-150(PN10)	48	388	898	1300	288	668	941	1279	284	272	556	1150×750	545	567	780×600×1490
B8450	200-200(PN10)	48	428	938	1340	291	681	969	1364	310	272	582	1150×800	551	573	840×620×1530
B10450	250-250(PN10)	73	475	945	1340	312	722	1023	1522	333	272	605	1250×800	570	593	780×650×1550
B12450	300-300(PN10)	93	545	1015	1409	334	814	1154	1661	387	292	679	1400×800	614	638	860×720×1600
B6460	150-150(PN10)	48	388	938	1294	288	668	941	1279	284	272	556	1150×750	581	603	780×600×1490
B8460	200-200(PN10)	48	428	978	1334	291	681	969	1364	310	272	582	1150×800	587	609	840×620×1530
B10460	250-250(PN10)	73	475	985	1334	312	722	1023	1522	333	272	605	1250×800	606	629	780×650×1550
B12460	300-300(PN10)	93	545	1055	1403	334	814	1154	1661	387	292	679	1400×800	650	674	860×720×1600