



U-A SERIES SEWAGE PUMP

0.45~5.5kW 2P

TYPE A

50Hz (synchronous speed: 3000rpm)

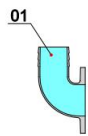
60Hz (synchronous speed: 3600rpm)

Specification

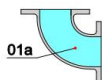
- Insulation class : F
- Protection class : IP68
- Water temperature : up to 40℃
- PH : 6 to 10
- Density of liquid : up to 1.3g/cm³
- Power supply : single phase 220V±10%,50Hz,60Hz
three phase 380V±10%,50Hz,60Hz
- Motor protection : built in
- Capacity : up to 74m³/h
- Head : up to 27m
- Maximum immersion depth : 10m
- Cable Length : 8m



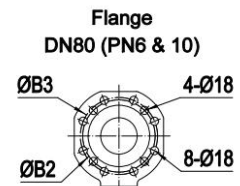
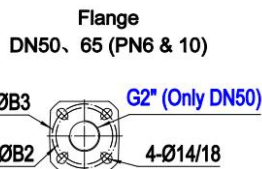
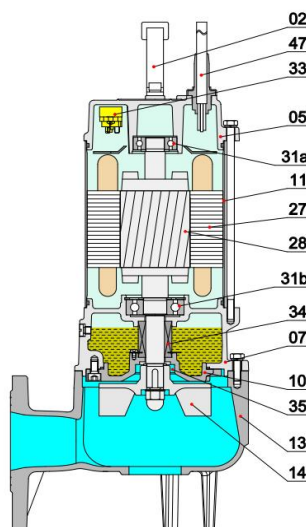
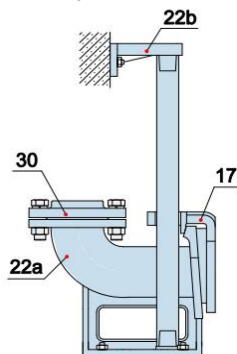
Movable Soft Pipe Installation (R)



Hard Pipe Installation(Y)



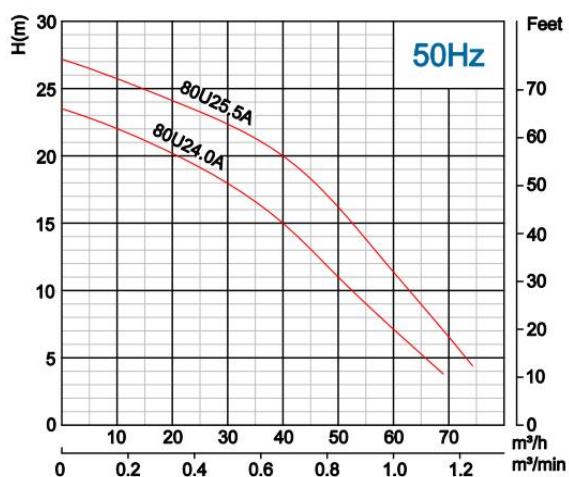
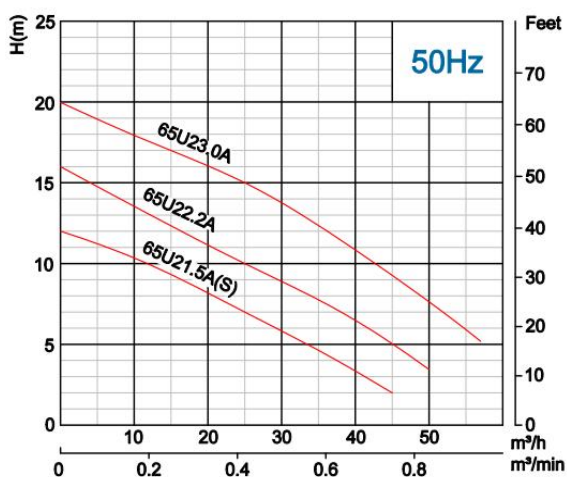
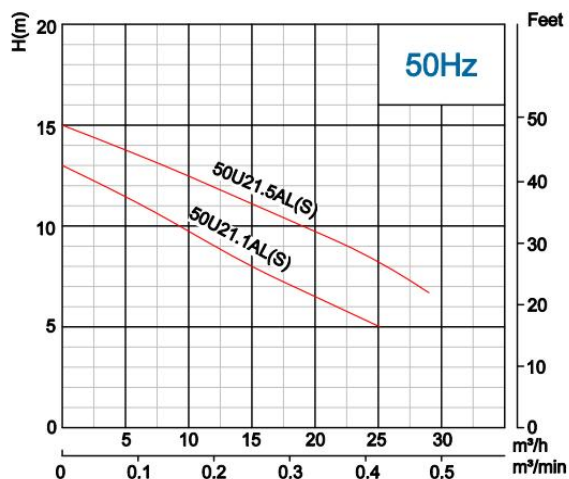
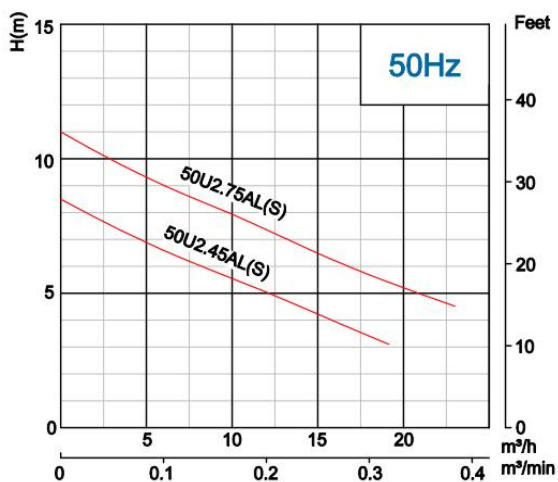
Auto-coupled Installation(z)



Materials of components

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

SERIES SEWAGE PUMP U-A



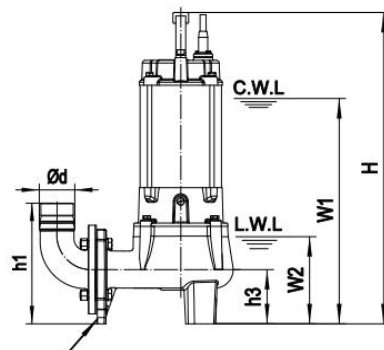
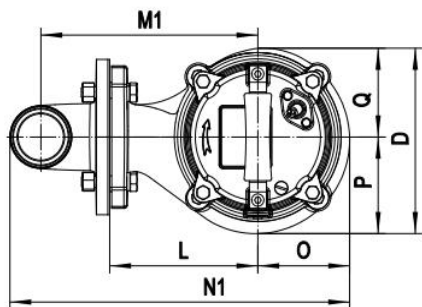
Dimensions table

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
50U2.45AL	380	1.3	0.45	0.6	2	50	12	5	19	8.5	50	1.0
50U2.45ALS	220	3.5	0.45	0.6	2	50	12	5	19	8.5	50	1.0
50U2.75AL	380	2	0.75	1	2	50	15	6	23	11	50	1.0
50U2.75ALS	220	5.2	0.75	1	2	50	15	6	23	11	50	1.0
50U21.1AL	380	2.8	1.1	1.5	2	50	15	8	25	13	50	1.0
50U21.1ALS	220	7.2	1.1	1.5	2	50	15	8	25	13	50	1.0
50U21.5AL	380	3.2	1.5	2	2	50	18	10	29	15	50	1.0
50U21.5ALS	220	10	1.5	2	2	50	18	10	29	15	50	1.5
65U21.5A	380	3.2	1.5	2	2½	65	25	7	45	12	56	1.0
65U21.5AS	220	10	1.5	2	2½	65	25	7	45	12	56	1.5
65U22.2A	380	5	2.2	3	2½	65	25	10	50	16	56	1.0
65U23.0A	380	6.5	3.0	4	2½	65	25	15	57	20	56	1.5
80U24.0A	380	8.9	4.0	5.5	3	80	40	15	69	23.5	56	1.5
80U25.5A	380	11.7	5.5	7.5	3	80	40	20	74	27	56	2.5

•U...ALSF:single phase with Float switch

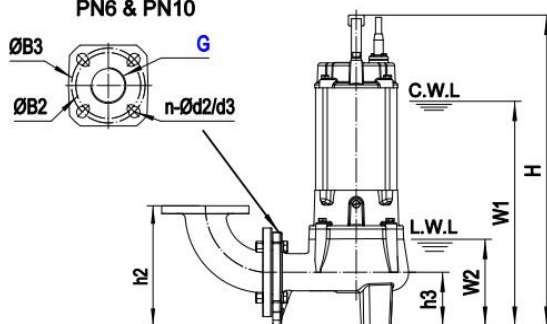
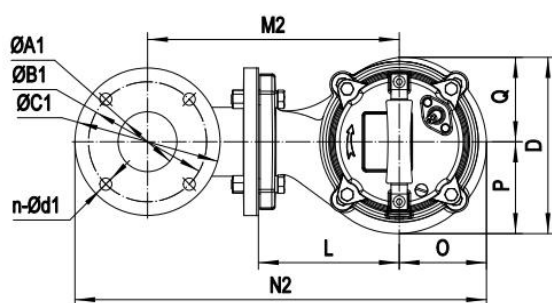
U-A SERIES SEWAGE PUMP

Movable Soft Pipe Installation (R)



Dimensions of pump body flange
PN6 & PN10

Hard Pipe Installation(Y)



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

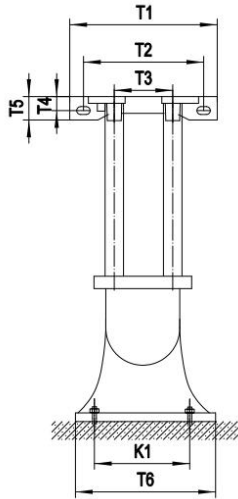
Dimensions table

Model	Ø d	G	Ø A1	Ø B1	Ø B2	Ø B3	Ø C1	n-Ø d1	n-Ø d2	n-Ø d3	h1	h2	h3	W1	W2	H	O	P	Q	L	D	M1	M2	N1	N2
50U2.45AL	50	G2"	50	110	110	125	140	4ø 14	4ø 14	4ø 18	193	188	88	310	150	449	85	79	72	138	151	204	240	315	395
50U2.45ALS	50	G2"	50	110	110	125	140	4ø 14	4ø 14	4ø 18	193	188	88	330	150	487	85	79	72	138	151	204	240	315	395
50U2.75AL	50	G2"	50	110	110	125	140	4ø 14	4ø 14	4ø 18	193	188	88	330	150	459	85	79	72	138	151	204	240	315	395
50U2.75ALS	50	G2"	50	110	110	125	140	4ø 14	4ø 14	4ø 18	193	188	88	330	150	507	85	79	72	138	151	204	240	315	395
50U21.1AL	50	G2"	50	110	110	125	140	4ø 14	4ø 14	4ø 18	193	188	88	350	150	474	81	84	77	138	161	204	240	311	391
50U21.1ALS	50	G2"	50	110	110	125	140	4ø 14	4ø 14	4ø 18	193	188	88	350	150	527	81	84	77	138	161	204	240	311	391
50U21.5AL	50	G2"	50	110	110	125	140	4ø 14	4ø 14	4ø 18	193	188	88	370	150	489	81	84	77	138	161	204	240	311	391
50U21.5ALS	50	G2"	50	110	110	125	140	4ø 14	4ø 14	4ø 18	193	188	88	370	150	547	81	84	77	138	161	204	240	311	391
65U21.5A	65	—	65	130	130	145	160	4ø 14	4ø 14	4ø 18	218	218	98	395	170	543	96	100	91	155	191	227	277	355	453
65U21.5AS	65	—	65	130	130	145	160	4ø 14	4ø 14	4ø 18	218	218	98	415	170	623	96	100	91	155	191	227	277	355	453
65U22.2A	65	—	65	130	130	145	160	4ø 14	4ø 14	4ø 18	218	218	98	415	170	563	96	100	91	155	191	227	277	355	453
65U23.0A	65	—	65	130	130	145	160	4ø 14	4ø 14	4ø 18	218	218	98	455	170	603	96	100	91	155	191	227	277	355	453
80U24.0A	80	—	80	150	150	160	190	4ø 18	4ø 18	8ø 18	250	245	105	460	170	608	105	108	100	175	208	267	317	410	517
80U25.5A	80	—	80	150	150	160	190	4ø 18	4ø 18	8ø 18	250	245	105	490	170	638	105	108	100	175	208	267	317	410	517

Weights & Packing dimensions

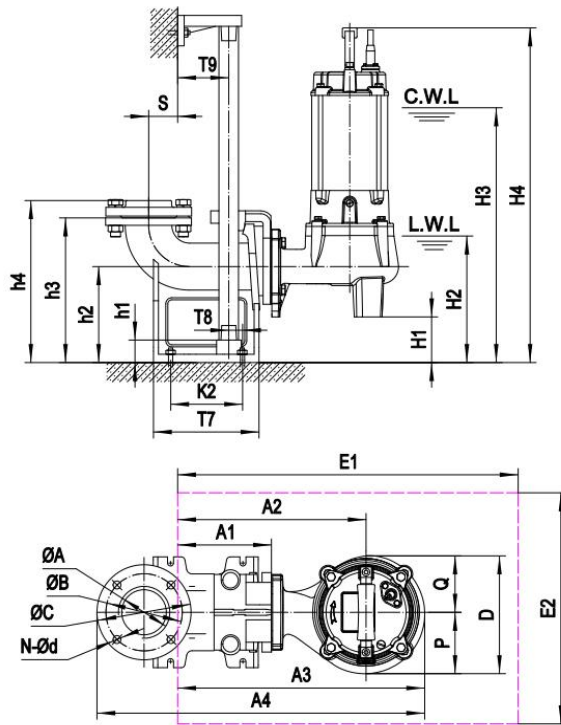
Model	R			Y		
	N.W	G.W	Packing dimension	N.W	G.W	Packing dimension
	kg	kg	mm	kg	kg	mm
50U2.45AL	20	21	475x250x200	22	23	485x265x280
50U2.45ALS	20	21	515x250x200	22	23	525x265x280
50U2.75AL	20	22	485x250x200	22	24	495x265x280
50U2.75ALS	21	23	530x250x200	23	25	540x265x280
50U21.1AL	22	23	500x245x210	24	25	510x265x290
50U21.1ALS	23	24	555x245x210	25	26	565x265x290
50U21.5AL	24	25	515x245x210	26	27	525x265x290
50U21.5ALS	25	27	570x245x210	27	29	580x265x290
65U21.5A	30	35	610x230x305	33	38	610x230x305
65U21.5AS	35	40	690x230x305	38	43	690x230x305
65U22.2A	33	38	630x230x305	36	41	630x230x305
65U23.0A	37	42	670x230x305	40	45	670x230x305
80U24.0A	47	52	700x240x325	51	56	700x240x335
80U25.5A	52	58	730x240x325	56	62	730x240x335

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	Ø A	Ø B	Ø C	N-Ø d	T1	T2	T3	T4	T5	T6	T7	T8	T9	K1	K2	S	h1	h2	h3	h4
TO 50-50(PN6)	Ø 50/G2"	110	140	4-Ø 14	265	215	105	22	42	200	215	15	67	163	135	65	25	160	250	276
TO 65-65(PN6)	Ø 65/G2½"	130	160	4-Ø 14	280	235	125	25	50	230	235	20	70	190	155	90	25	170	265	291
TO 80-80(PN6)	Ø 80/G3"	150	190	4-Ø 18	315	265	145	27	50	255	230	35	78	215	155	79	25	185	305	335

Dimensions table

Model	Auto coupling	H1	H2	H3	H4	A1	A2	A3	A4	P	Q	D	E1xE2	Pump weight & packing dimension		
														N.W	G.W	Packing dimension
50U2.45AL	50-50(PN6)	73	222	382	521	157	295	380	515	79	72	151	650x550	17.5	19	475x250x200
50U2.45ALS	50-50(PN6)	73	222	382	560	157	295	380	515	79	72	151	650x550	17.5	19	515x250x200
50U2.75AL	50-50(PN6)	73	222	402	531	157	295	380	515	79	72	151	650x550	18	19.5	485x250x200
50U2.75ALS	50-50(PN6)	73	222	402	580	157	295	380	515	79	72	151	650x550	19	20.5	530x250x200
50U21.1AL	50-50(PN6)	73	222	422	546	157	295	376	511	84	77	161	650x550	19.5	21	500x245x210
50U21.1ALS	50-50(PN6)	73	222	422	599	157	295	376	511	84	77	161	650x550	20.5	22	555x245x210
50U21.5AL	50-50(PN6)	73	222	442	561	157	295	376	511	84	77	161	650x550	21.5	23	515x245x210
50U21.5ALS	50-50(PN6)	73	222	442	619	157	295	376	511	84	77	161	650x550	23	24.5	570x245x210
65U21.5A	65-65(PN6)	72	247	467	615	157	312	408	578	100	91	191	650x550	27	32	610x230x305
65U21.5AS	65-65(PN6)	72	247	487	695	157	312	408	578	100	91	191	650x550	32	37	690x230x305
65U22.2A	65-65(PN6)	72	247	487	635	157	312	408	578	100	91	191	650x550	30	35	630x230x305
65U23.0A	65-65(PN6)	72	247	527	675	157	312	408	578	100	91	191	650x550	34	39	670x230x305
80U24.0A	80-80(PN6)	80	255	540	688	183	358	463	637	108	100	208	650x550	42	47	700x240x325
80U25.5A	80-80(PN6)	80	255	570	718	183	358	463	637	108	100	208	650x550	47	53	730x240x325