



U SERIES SEWAGE PUMP

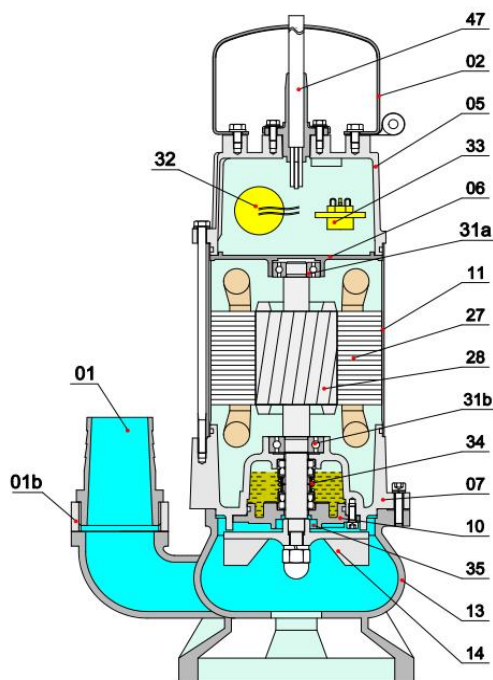
0.45~1.5kW 2P

50Hz(synchronous speed: 3000rpm)

60Hz(synchronous speed: 3600rpm)

Specification

- Insulation class : F
- Protection class : IP68
- Water temperature : up to 40°C
- PH : 6 to 10
- Density of liquid : up to 1.3g/cm³
- Power supply : three phase 380V±10%,50Hz
three phase 380V±10%,60Hz
single phase 220V±10%,50Hz
single phase 220V±10%,60Hz
- Motor protection : built in
- Capacity : up to 28m³/h
- Head : up to 18m
- Maximum immersion depth : 10m
- Cable Length : 8m

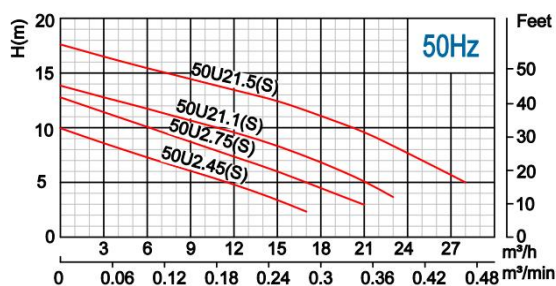


Materials of components

Item No.	Part name	Material
01	Hose coupling	ABS
01b	Hose coupling	Cast iron
02	Handle	Stainless steel
05	Uppor cover	Cast iron
06	Up-Bearing house	Cast iron
07	Bearing house	Cast iron
10	Seal brackat	Cast iron
11	Motor body	stainless steel
13	Pump body	Cast iron
14	Impeller	Cast iron
27	Stator	
28	Rotor	Shaft : AISI304SS
31a	Bearing	Ball bearing
31b	Bearing	Ball bearing
32	Capacitor	(Single phase only)
33	Motor protector	
34	Mechanical seal	Sic-Ceramic/Carbon-Ceramic
35	Oil seal	
47	Cable	

SERIES SEWAGE PUMP

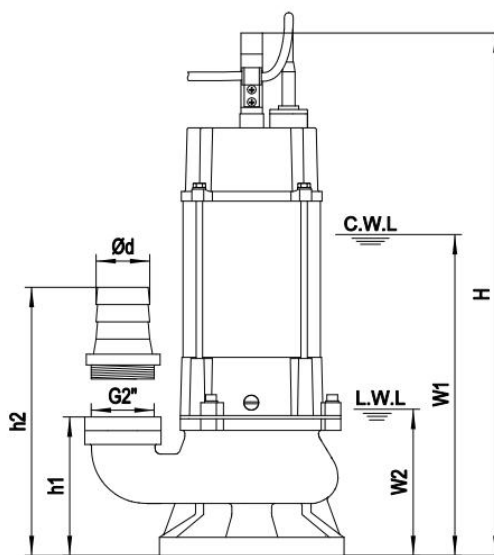
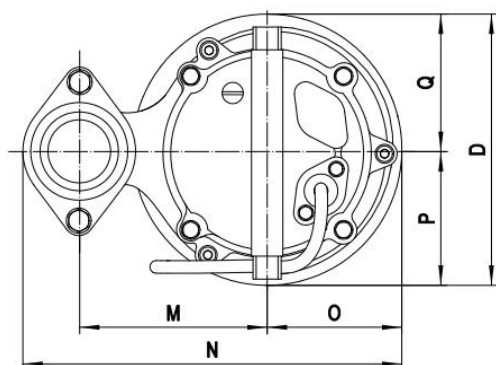
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Model	Voltage	current	Motor power		outlet		Rated capacity	Rated head	Max capacity	Max head	Impeller passage	Cable
	V	A	kW	HP	in	mm	m³/h	m	m³/h	m	mm	mm²
50U2.45	380	1.3	0.45	0.6	2	50	10	6	17	10	35	1.0
50U2.45S	220	3.5	0.45	0.6	2	50	10	6	17	10	35	1.0
50U2.75	380	2	0.75	1	2	50	10	8	21	13	35	1.0
50U2.75S	220	5.2	0.75	1	2	50	10	8	21	13	35	1.0
50U21.1	380	2.8	1.1	1.5	2	50	15	8	23	14	35	1.0
50U21.1S	220	7.2	1.1	1.5	2	50	15	8	23	14	35	1.0
50U21.5	380	3.2	1.5	2	2	50	15	12	28	18	35	1.0
50U21.5S	220	10	1.5	2	2	50	15	12	28	18	35	1.5

- U...SF: single phase with Float switch

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



Dimensions table

Model	Ø d	h1	h2	W1	W2	H	O	P	Q	D	M	N	N.W	G.W	Packing dimension
													kg	kg	mm
50U2.45	50	137	204	280	130	464	86	86	86	172	120	242	17.5	19	495x260x220
50U2.45S	50	137	204	280	130	464	86	86	86	172	120	242	17.5	19	495x260x220
50U2.75	50	137	204	300	130	474	86	86	86	172	120	242	19	20.5	505x260x220
50U2.75S	50	137	204	300	130	484	86	86	86	172	120	242	19.5	21	515x260x220
50U21.1	50	139	206	305	125	488	91	91	91	182	140	267	20	21.5	520x285x225
50U21.1S	50	139	206	320	125	503	91	91	91	182	140	267	21	22.5	535x285x225
50U21.5	50	139	206	305	125	503	91	91	91	182	140	267	22	23.5	535x285x225
50U21.5S	50	139	206	320	125	523	91	91	91	182	140	267	23.5	25	555x285x225

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SERIES SEWAGE PUMP

2.2~5.5kW 2P

50Hz (synchronous speed: 3000rpm)

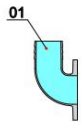
60Hz (synchronous speed: 3600rpm)

Specification

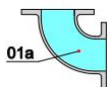
- Insulation class : F
- Protection class : IP68
- Water temperature : up to 40℃
- PH : 6 to 10
- Density of liquid : up to 1.3g/cm³
- Power supply : three phase 380V±10%,50Hz
three phase 380V±10%,60Hz
- Motor protection : built in
- Capacity : up to 70m³/h
- Head : up to 23m
- Maximum immersion depth : 10m
- Cable Length : 8m



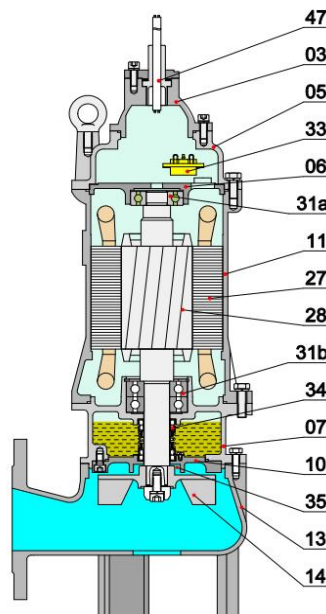
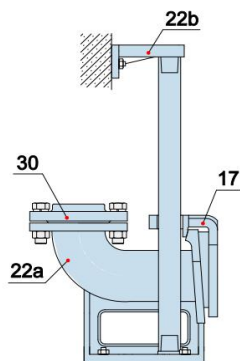
Movable Soft Pipe Installation (R)



Hard Pipe Installation(Y)



Auto-coupled Installation(z)

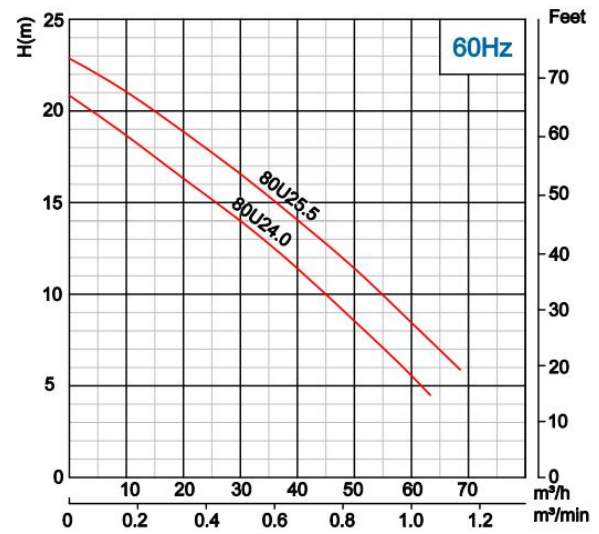
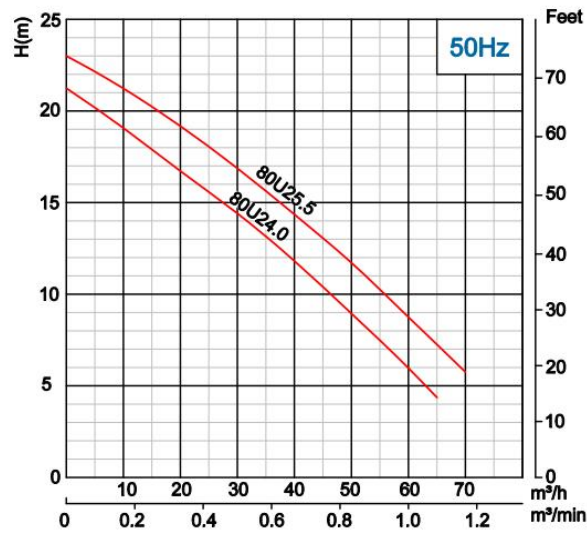
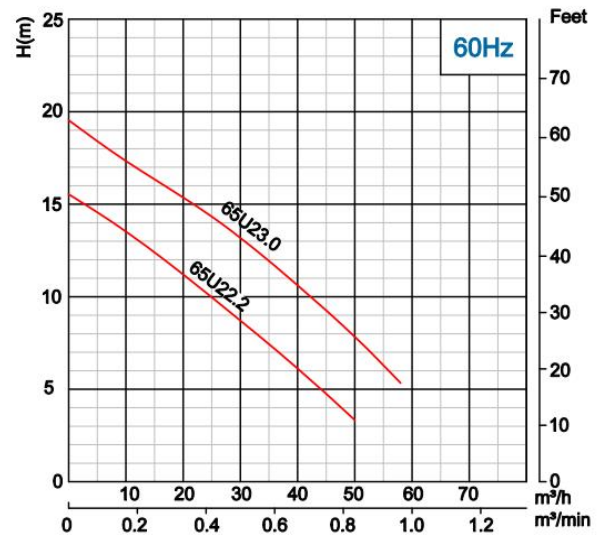
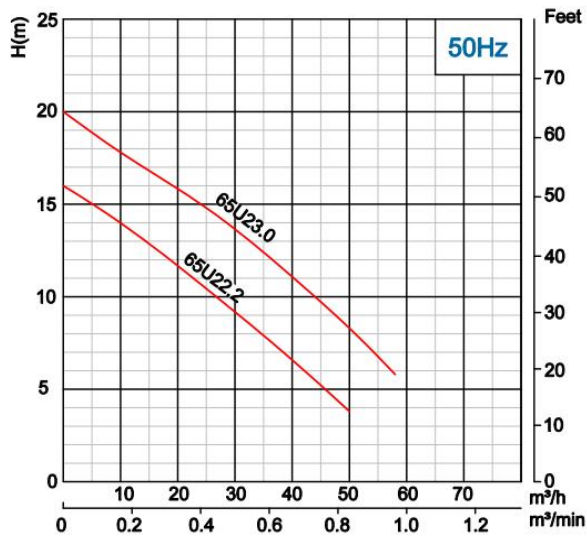


Materials of components

Item No.	Part name	Material
01	Hose coupling	Cast iron
01a	Hose coupling	Cast iron
03	Terminal box	Cast iron
05	Uppor 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
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	Sic-Sic/Carbon-Ceramic
34	Mechanical seal	
35	Oil seal	
47	Cable	

SERIES SEWAGE PUMP

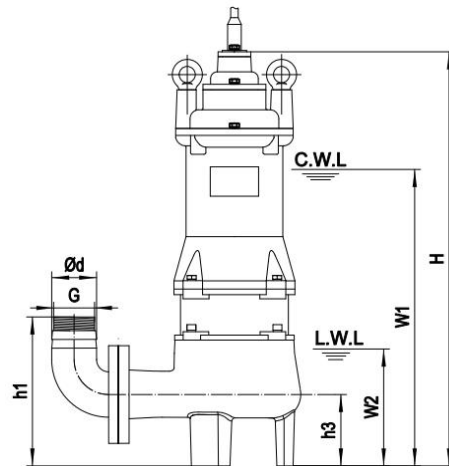
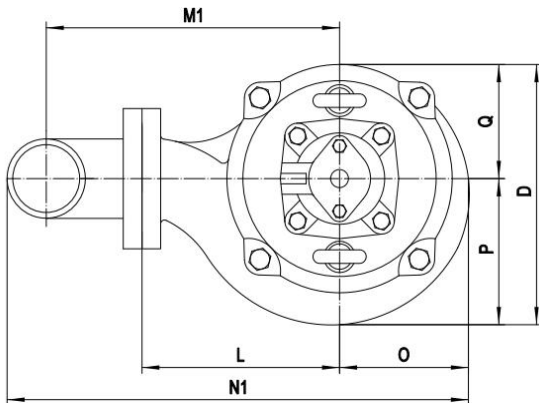
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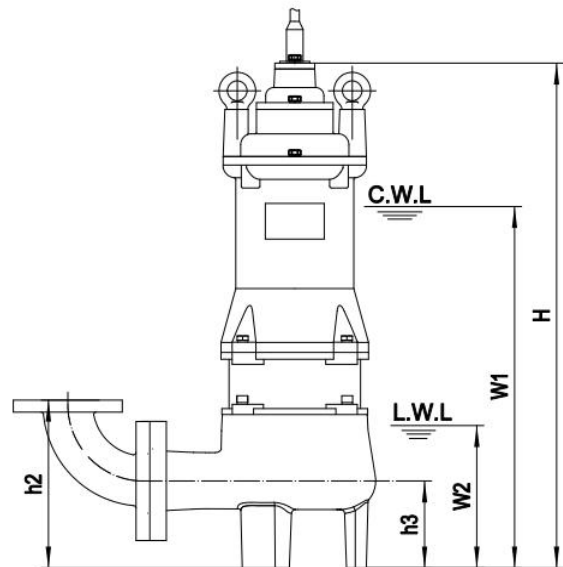
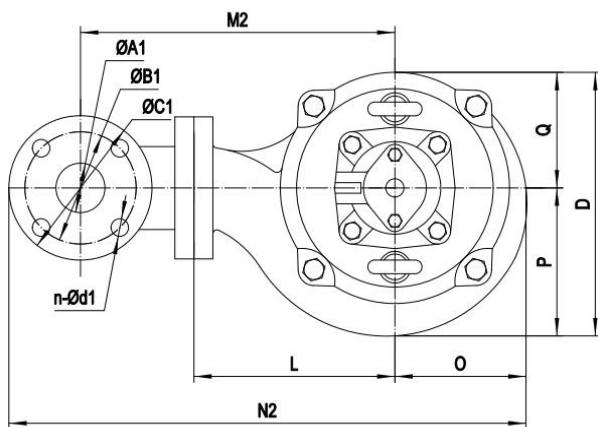
Model 50Hz/60Hz	Voltage	current	Motor power		Outlet		Rated capacity	Rated head	Max capacity	Max head	Impeller passage	Cable
	V	A	kW	HP	in	mm	m³/h	m	m³/h	m	mm	mm²
65U22.2	380	5	2.2	3	2½	65	25	10	45	16	56	1.0
65U23.0	380	6.5	3	4	2½	65	25	15	53	20	56	1.5
80U24.0	380	8.9	4	5.5	3	80	40	12	65	21	56	1.5
80U25.5	380	11.7	5.5	7.5	3	80	50	12	70	23	56	2.5

U SERIES SEWAGE PUMP

Movable Soft Pipe Installation (R)



Hard Pipe Installation(Y)



C.W.L:continuous running water level

L.W.L: lowest running water level

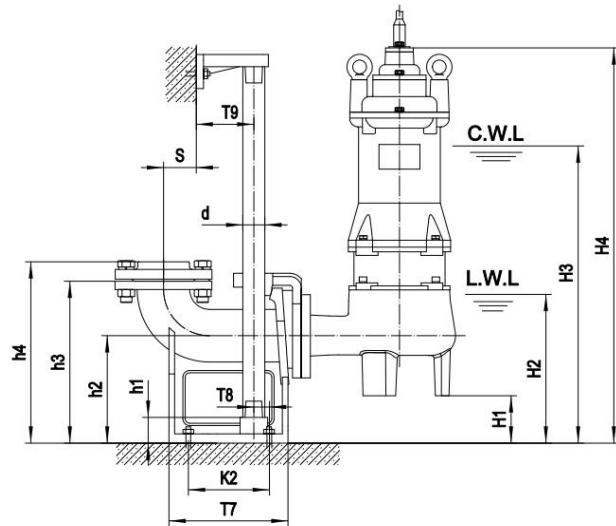
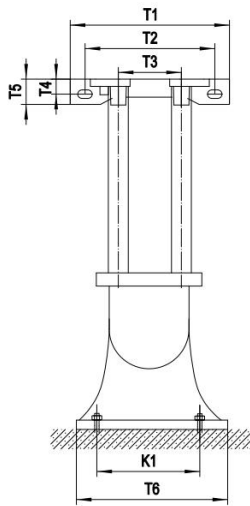
Dimensions table

Model	Ø d	G	Ø A1	Ø B1	Ø C1	n Ø d1	h1	h2	h3	W1	W2	H	O	P	Q	L	D	M1	M2	N1	N2
65U22.2	65	G2"	65	130	160	4-Ø 14	210	210	90	425	170	587	96	100	91	155	191	227	277	355	453
65U23.0	65	G2"	65	130	160	4-Ø 14	210	210	90	440	170	614	96	100	95	155	195	227	277	355	453
80U24.0	80	G2½"	80	150	190	4-Ø 18	245	240	90	455	170	615	105	108	103	175	211	267	317	410	517
80U25.5	80	G2½"	80	150	190	4-Ø 18	245	240	90	480	170	666	112	114	111	175	225	267	317	416	524

Weights & Packing dimensions

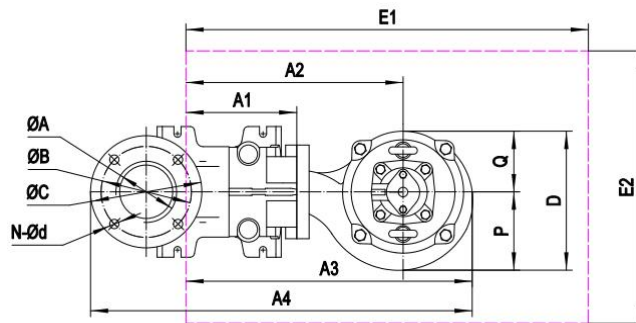
Model	R			Y			Model	R			Y		
	N.W	G.W	Packing dimension	N.W	G.W	Packing dimension		N.W	G.W	Packing dimension	N.W	G.W	Packing dimension
	kg	kg	mm	kg	kg	mm		kg	kg	mm	kg	kg	mm
65U22.2	39	45	700x230x305	43	49	700x230x305	80U24.0	56	61	735x250x335	60	65	735x250x345
65U23.0	48	54	740x230x305	52	58	740x230x305	80U25.5	73	77	790x260x335	77	81	790x260x365

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 oupling	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 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
65U22.2	65-65(PN6)	80	245	500	667	157	312	408	578	100	91	191	650x550	36	42	700x230x305
65U23.0	65-65(PN6)	80	245	515	694	157	312	408	578	100	91	191	650x550	45	51	740x230x305
80U24.0	80-80(PN6)	85	255	540	700	183	358	463	637	108	103	211	650x550	51	56	735x250x335
80U25.5	80-80(PN6)	85	255	565	751	183	358	469	643	114	111	225	650x550	68	72	790x260x335

U SERIES SEWAGE PUMP

5.5~11kW 4P

50Hz (synchronous speed: 1500rpm)

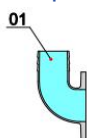
60Hz (synchronous speed: 1800rpm)

Specification

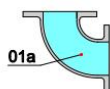
- Insulation class : F
- Protection class : IP68
- Water temperature : up to 40℃
- PH : 6 to 10
- Density of liquid : up to 1.3g/cm³
- Power supply : three phase 380V±10%,50Hz
three phase 380V±10%,60Hz
- Motor protection : 5.5~11kW built in
- Capacity : up to 190m³/h
- Head : up to 18m
- Maximum immersion depth : 20m
- Cable Length : 8m



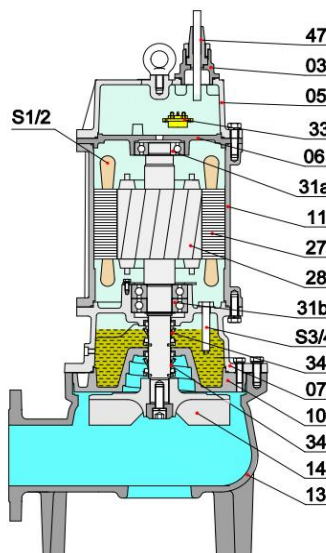
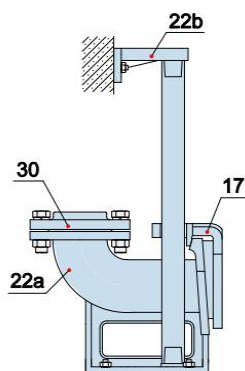
Movable Soft Pipe Installation (R)



Hard Pipe Installation(Y)



Auto-coupled Installation(z)

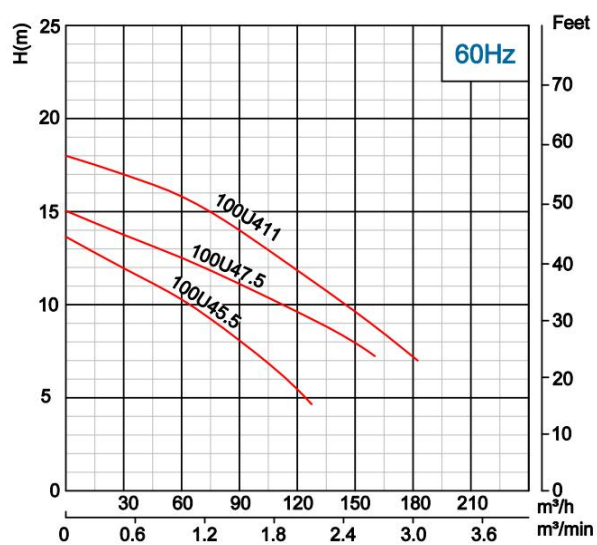
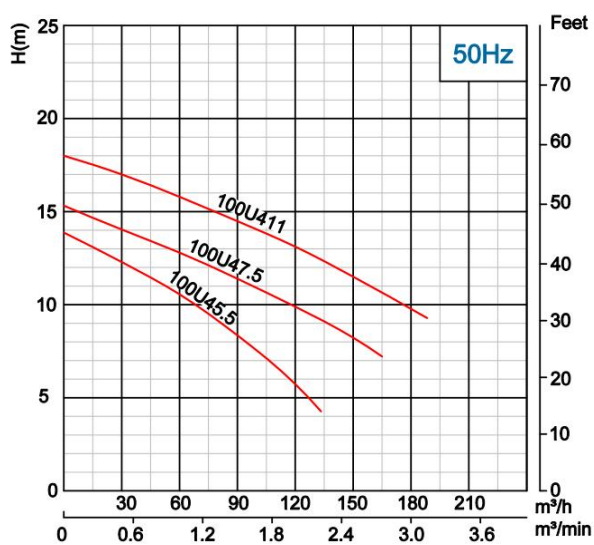
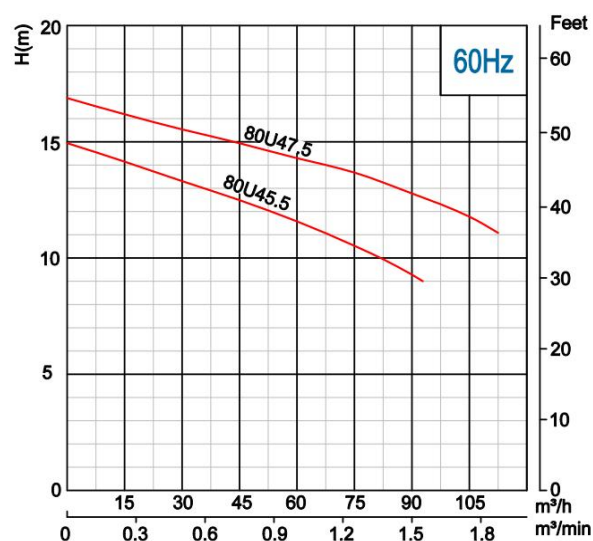
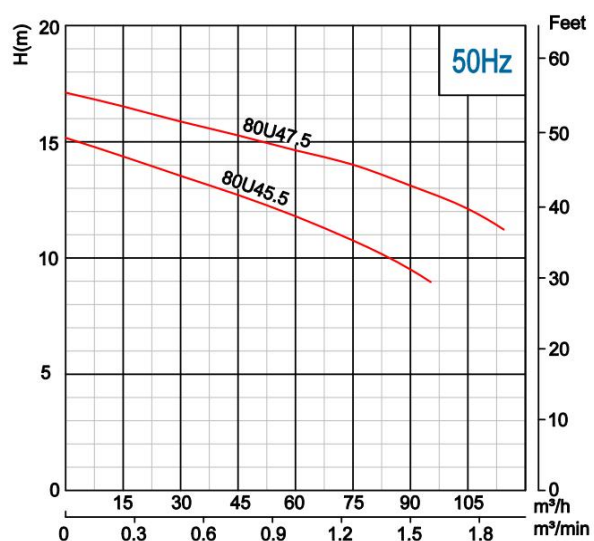


Materials of components

Item No.	Part name	Material
01	Hose coupling	Cast iron
01a	Hose coupling	Cast iron
03	Terminal box	Cast iron
05	Uppor 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
22a	Coupling seat	Cast iron
22b	Upper guide support	Cast iron
27	stator	
28	Rotor	Shaft : stainless steel
30	Flange	Cast iron
31a	Bearing	Ball bearing
31b	Bearing	Ball bearing
33	Motor protector	Sic-Sic
34	Mechanical seal	
47	Cable	
S1/2	Overheat protector : on option	
S3/4	Oil water leakage probe : on option	

SERIES SEWAGE PUMP

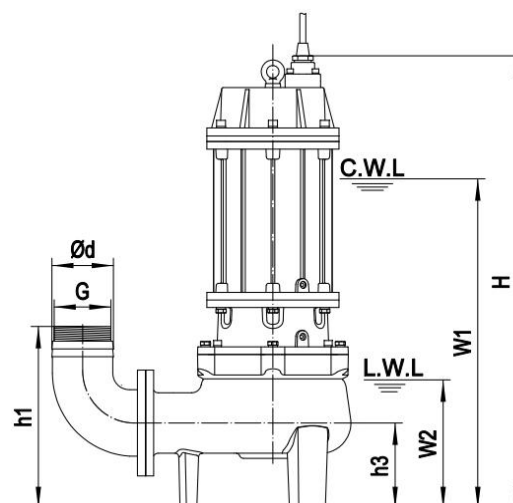
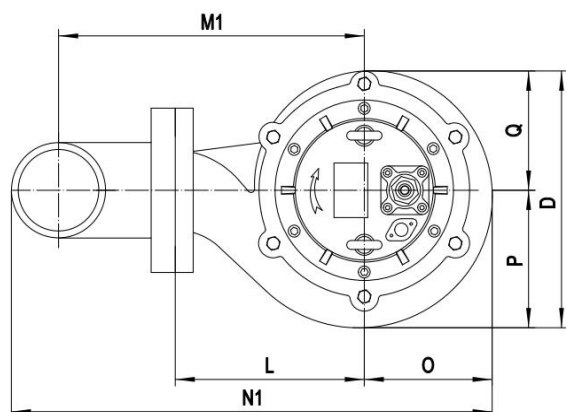
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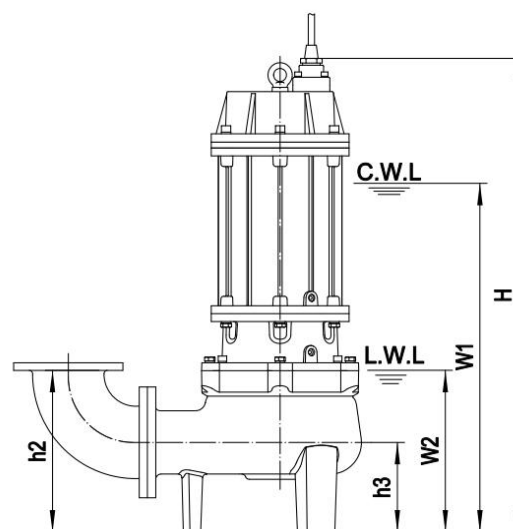
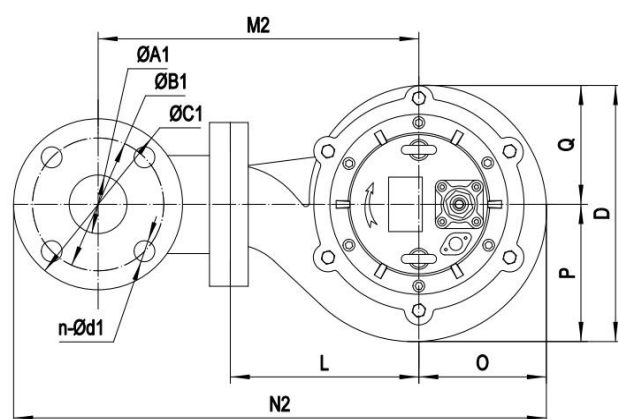
Model 50Hz/60Hz	Voltage	current	Motor power		Outlet		Rated capacity	Rated head	Max capacity	Max head	Impeller passage	Cable
	V	A	kW	HP	in	mm	m³/h	m	m³/h	m	mm	mm²
80U45.5	380	11.7	5.5	7.5	3	80	60	12	95	15	80	2.5
100U45.5	380	11.7	5.5	7.5	4	100	80	9	135	14	100	2.5
80U47.5	380	15.7	7.5	10	3	80	80	14	110	17	80	4.0
100U47.5	380	15.7	7.5	10	4	100	110	10	165	15	100	4.0
100U411	380	22	11	15	4	100	110	13	190	18	100	4.0

U SERIES SEWAGE PUMP

Movable Soft Pipe Installation (R)



Hard Pipe Installation(Y)



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

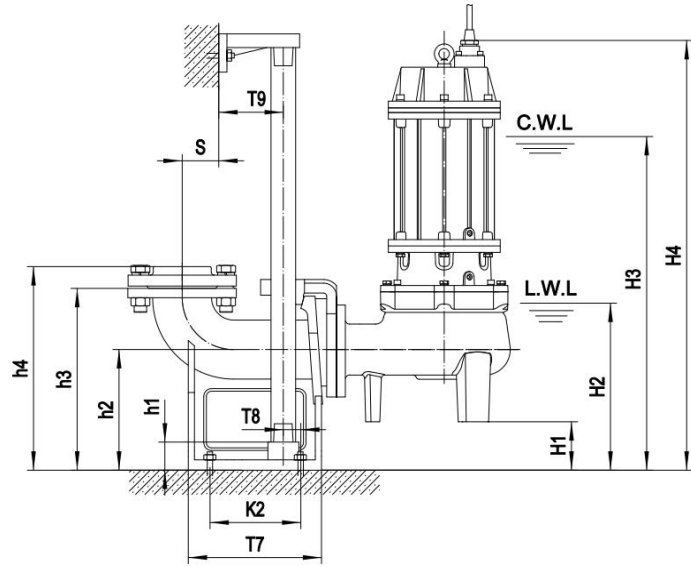
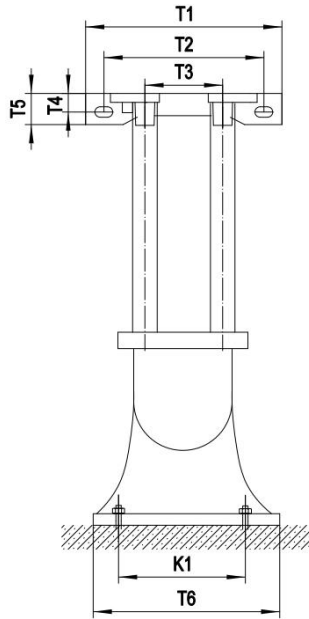
Dimensions table

Model	Ø d	G	Ø A1	Ø B1	Ø C1	n-Ø d1	h1	h2	h3	W1	W2	H	O	P	Q	L	D	M1	M2	N1	N2
80U45.5	80	G2½"	80	150	190	4-Ø 18	285	280	140	590	255	809	153	173	173	230	346	322	372	512	620
100U45.5	100	—	100	170	210	4-Ø 18	340	320	170	630	300	851	156	173	173	260	346	362	412	568	673
80U47.5	80	G2½"	80	150	190	4-Ø 18	285	280	140	635	255	854	153	173	173	230	346	322	372	512	620
100U47.5	100	—	100	170	210	4-Ø 18	340	320	170	675	300	896	156	173	173	260	346	362	412	568	673
100U411	100	—	100	170	210	4-Ø 18	340	320	170	735	300	958	156	173	173	260	346	362	412	568	673

Weights & Packing dimensions

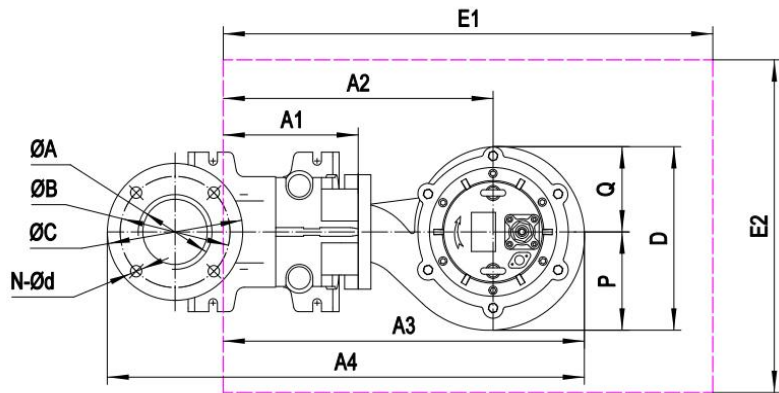
Model	R			Y			Model	R			Y		
	N.W	G.W	Packing dimension	N.W	G.W	Packing dimension		N.W	G.W	Packing dimension	N.W	G.W	Packing dimension
	kg	kg	mm	kg	kg	mm		kg	kg	mm	kg	kg	mm
80U45.5	132	145	905x385x515	136	149	905x385x545	100U47.5	151	165	995x385x545	157	171	995x385x565
100U45.5	136	149	945x385x545	142	155	945x385x575	100U411	170	185	1065x385x545	176	191	1065x385x565
80U47.5	147	161	955x385x515	151	165	955x385x525							

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 oupling	∅ A	∅ B	∅ C	N∅ d	T1	T2	T3	T4	T5	T6	T7	T8	T9	K1	K2	S	h1	h2	h3	h4
TO 80-80(PN6)	∅ 80/G3"	150	190	4-∅ 18	315	265	145	27	50	255	230	35	78	215	155	79	25	185	305	335
TO 100-100(PN6)	∅ 100/G4"	170	210	4-∅ 18	365	305	170	30	55	293	262	34	95	265	176	97	23	225	350	381

Dimensions table

Model	Auto coupling	H1	H2	H3	H4	A1	A2	A3	A4	P	Q	D	E1x E2	Pump weight & packing dimension		
														N.W	G.W	Packing dimension
80U45.5	80-80(PN6)	45	300	635	854	183	413	566	740	173	173	346	750x550	127	140	905x385x515
100U45.5	100-100(PN6)	55	355	685	906	203	463	619	821	173	173	346	850x550	130	143	945x385x545
80U47.5	80-80(PN6)	45	300	680	899	183	413	566	740	173	173	346	750x550	142	156	955x385x515
100U47.5	100-100(PN6)	55	355	730	951	203	463	619	821	173	173	346	850x550	145	159	995x385x545
100U411	100-100(PN6)	55	355	790	1013	203	463	619	821	173	173	346	850x550	164	179	1065x385x545