

SEWAGE PUMP U SERIES



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Características

La bomba U es una bomba multiuso con un impulsor vortex. El impulsor se utiliza principalmente en bombas de voluta. Los impulsores de vórtice bombean el agua mediante el flujo de remolino causado por la interacción con la carcasa, lo que evita la obstrucción interna por sólidos y materia fibrosa.

Aplicaciones

La serie U es especialmente útil para bombear aguas residuales que contienen partículas de gran tamaño en obras de construcción o minería.

Especificaciones

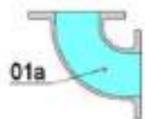
- Clase de aislamiento : F
- Clase protección : IP 68
- Temperatura fluido: hasta 40 °C
- PH: 6 to 10
- Densidad fluido : 1.3g/cm³
- Alimentación : Trifásico 380V ±10%, 50Hz
Monofásico 220V ±10%, 50Hz
- Protección motor: incorporado
- Capacidad: hasta 190m³/h
- Altura: hasta 18 m
- Profundidad máxima de inmersión: 2m
- Cable alimentación : 8m



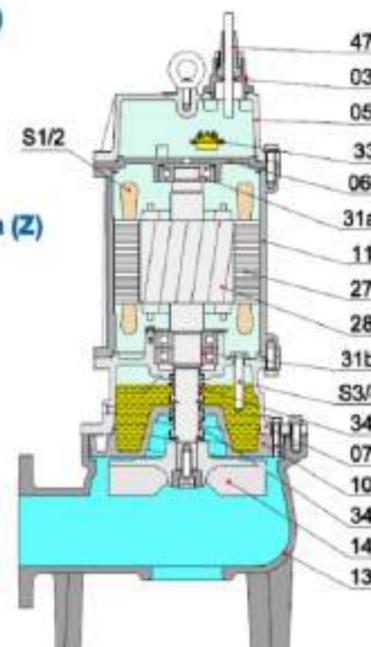
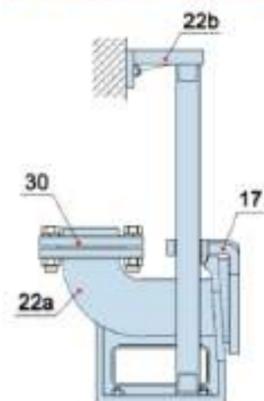
Movable Soft Pipe Installation (R)



Hard Pipe Installation(Y)

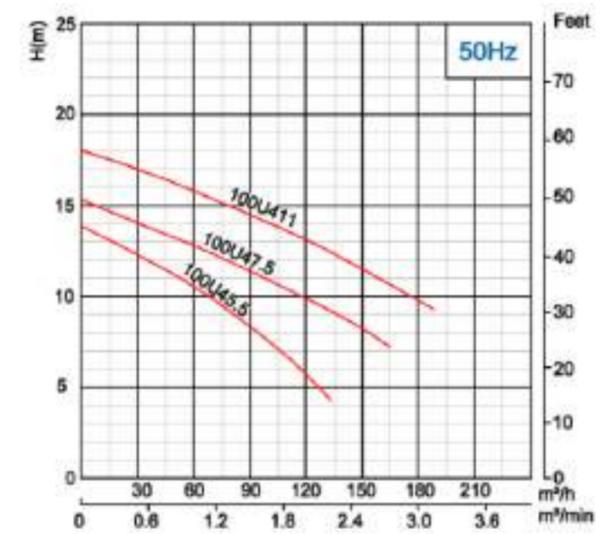
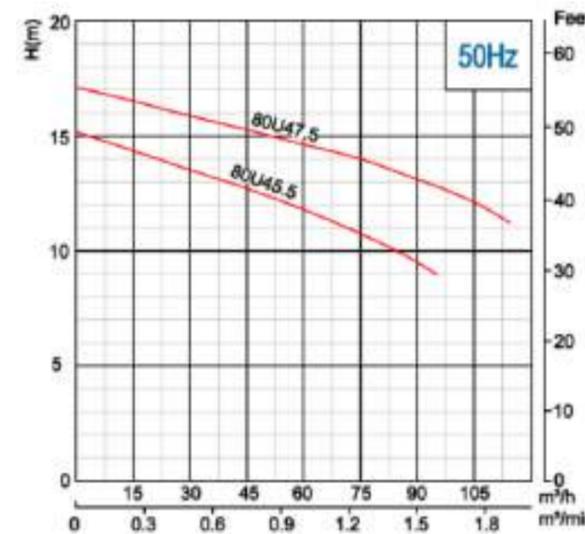
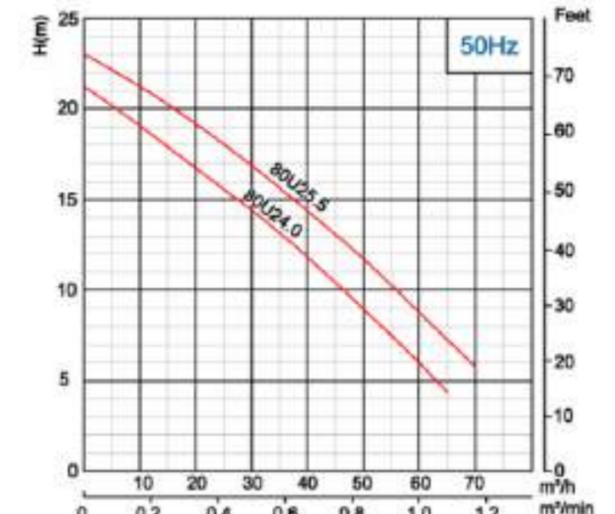
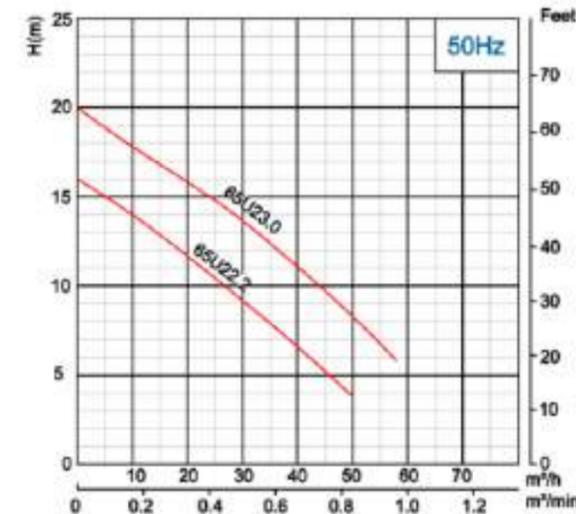


Auto-coupled Installation (Z)

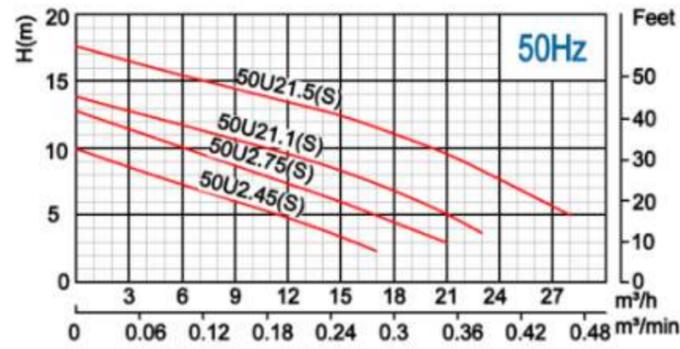


Materials of components

Item No.	Part name	Material
01	Hose coupling	Cast iron
01a	Discharge connection	Cast iron
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	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	
34	Mechanical seal	Sic-Sic
47	Cable	
S1/2	Overheat protector	on option
S3/4	Oil water leakage probe	on option

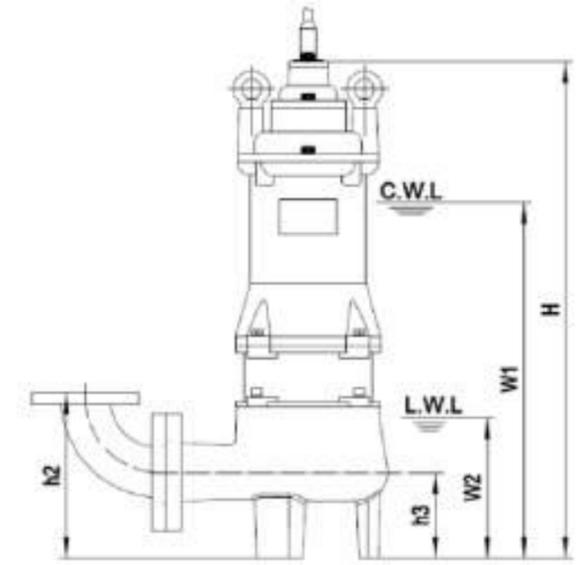
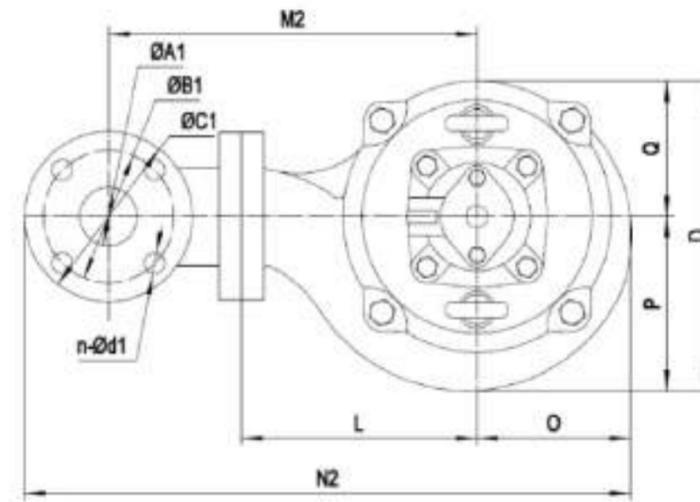


Model	Voltage	Current	Motor power		Outlet		Rated capacity	Rated head	Max capacity	Max head	Impeller passage	Cable
			kW	HP	in	mm						
65U22.2	380	5	2.2	3	2 1/2	65	25	10	45	16	56	1.0
65U23.0	380	6.5	3	4	2 1/2	65	25	15	53	20	56	1.5
80U24.0	380	8.9	4	5.5	3	80	40	12	65	21	56	1.5
80U25.5	380	11.7	5.5	7.5	3	80	50	12	70	23	56	2.5
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



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
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

Hard Pipe Installation(Y)

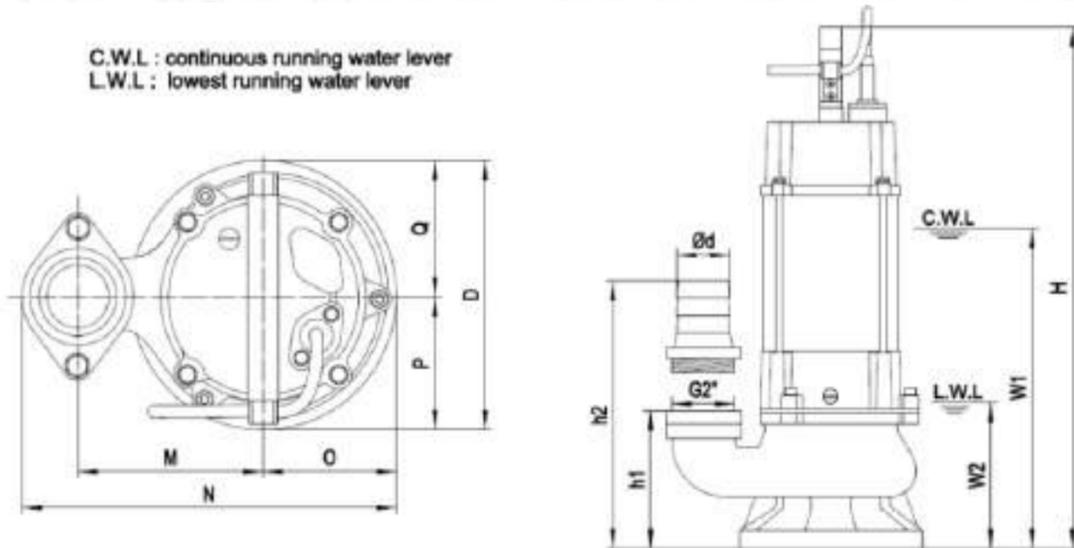


C.W.L : continuous running water level
L.W.L : lowest running water level

Dimensiones

Model	Ød	G	ØA1	ØB1	ØC1	n-Ød1	h1	h2	h3	W1	W2	H	O	P	Q	L	D	M1	M2	N1	N2
65U22.2	65	G2"	65	130	160	4-Ø14	210	210	90	425	170	587	96	100	91	155	191	227	277	355	453
65U23.0	65	G2"	65	130	160	4-Ø14	210	210	90	440	170	614	96	100	95	155	195	227	277	355	453
80U24.0	80	G2½"	80	150	190	4-Ø18	245	240	90	455	170	615	105	108	103	175	211	267	317	410	517
80U25.5	80	G2½"	80	150	190	4-Ø18	245	240	90	480	170	666	112	114	111	175	225	267	317	416	524
80U45.5	80	G2½"	80	150	190	4-Ø18	285	280	140	590	255	809	153	173	173	230	346	322	372	512	620
100U45.5	100	—	100	170	210	4-Ø18	340	320	170	630	300	851	156	173	173	260	346	362	412	568	673
80U47.5	80	G2½"	80	150	190	4-Ø18	285	280	140	635	255	854	153	173	173	230	346	322	372	512	620
100U47.5	100	—	100	170	210	4-Ø18	340	320	170	675	300	896	156	173	173	260	346	362	412	568	673
100U411	100	—	100	170	210	4-Ø18	340	320	170	735	300	958	156	173	173	260	346	362	412	568	673

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



Dimensiones

Model	Ød	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	495×260×220
50U2.45S	50	137	204	280	130	464	86	86	86	172	120	242	17.5	19	495×260×220
50U2.75	50	137	204	300	130	474	86	86	86	172	120	242	19	20.5	505×260×220
50U2.75S	50	137	204	300	130	484	86	86	86	172	120	242	19.5	21	515×260×220
50U21.1	50	139	206	305	125	488	91	91	91	182	140	267	20	21.5	520×285×225
50U21.1S	50	139	206	320	125	503	91	91	91	182	140	267	21	22.5	535×285×225
50U21.5	50	139	206	305	125	503	91	91	91	182	140	267	22	23.5	535×285×225
50U21.5S	50	139	206	320	125	523	91	91	91	182	140	267	23.5	25	555×285×225

Peso y embalaje

Model	R			Y		
	N.W	G.W	Packing dimension	N.W	G.W	Packing dimension
	kg	kg	mm	kg	kg	mm
65U22.2	39	45	700×230×305	43	49	700×230×305
65U23.0	48	54	740×230×305	52	58	740×230×305
80U45.5	132	145	905×385×515	136	149	905×385×545
100U45.5	136	149	945×385×545	142	155	945×385×575
80U47.5	147	161	955×385×515	151	165	955×385×525

Model	R			Y		
	N.W	G.W	Packing dimension	N.W	G.W	Packing dimension
	kg	kg	mm	kg	kg	mm
80U24.0	56	61	735×250×335	60	65	735×250×345
80U25.5	73	77	790×260×335	77	81	790×260×365
100U47.5	151	165	995×385×545	157	171	995×385×565
100U411	170	185	1065×385×545	176	191	1065×385×565

