



***Sewage Pumps (50Hz)***

**C series**



## General

0.75~7.5kW 2P  
50Hz : 2850rpm

### Specification

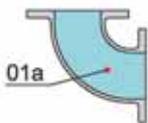
- Insulation class : B
- Protection class : IP68
- Water temperature : up to 40°C
- PH : 6 to 10
- Density of liquid : 1.3g/cm<sup>3</sup>
- Power supply : three phase 380V ±10%, 50Hz  
single phase 220V ±10%, 50Hz
- Motor protection : built in
- Capacity : up to 120m<sup>3</sup>/h
- Head : up to 30m
- Maximum immersion depth : 10m
- Cable length : 8m



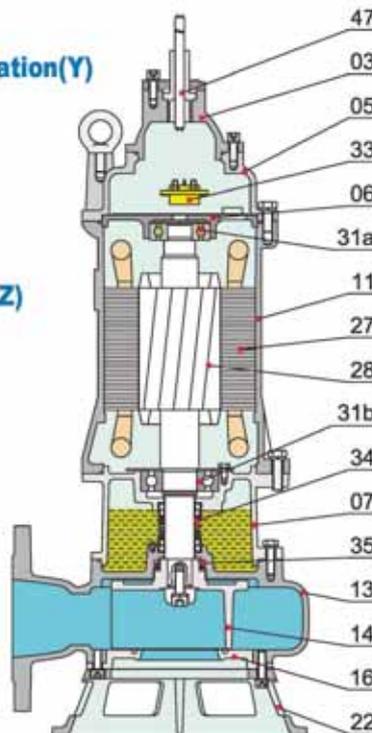
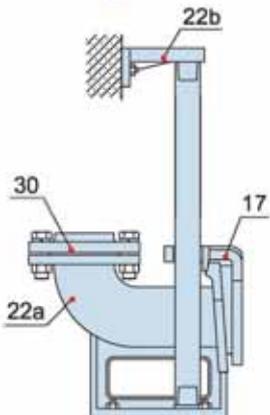
### Movable Soft Pipe Installation (R)



### Movable Hard Pipe Installation (Y)



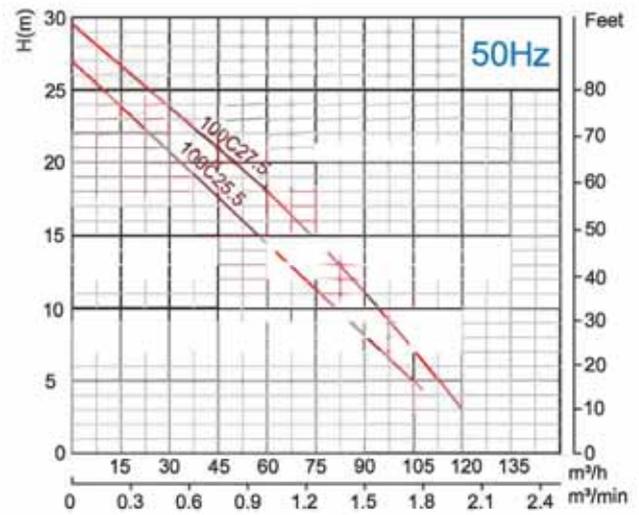
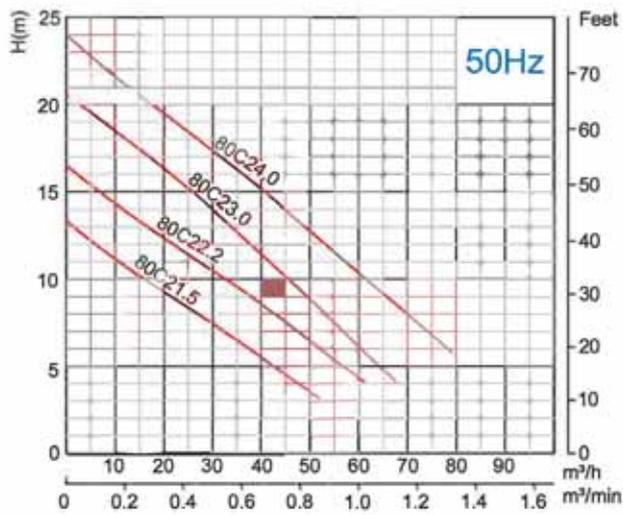
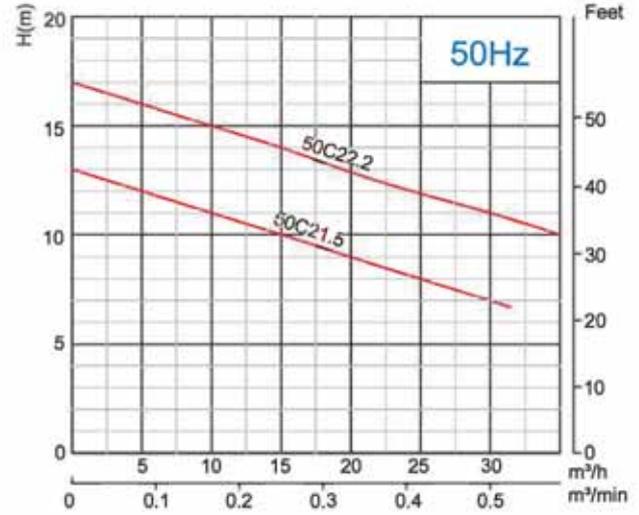
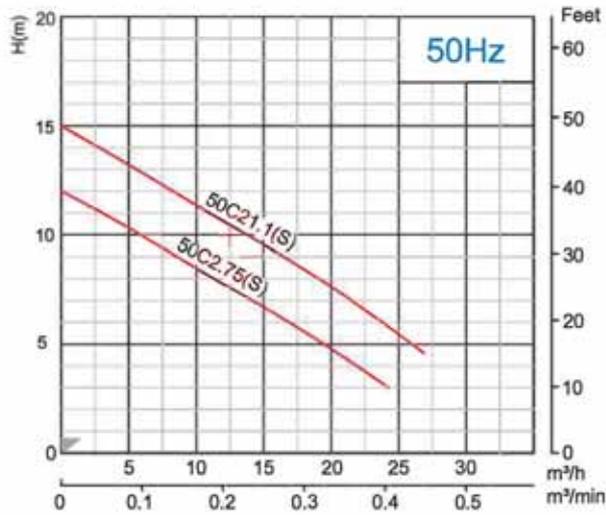
### Auto-coupled Installation (Z)



### Materials of construction

Item No.	Part name	Material
01	Hose coupling	Cast iron
01a	Hose coupling	Cast iron
03	Terminal box	Cast iron
05	Upper cover	Cast iron
06	Up-Bearing house	Cast iron
07	Bearing house	Cast iron
11	Motor body	Cast iron
13	Pump body	Cast iron
14	Impeller	Cast iron
16	Inlet plate	Cast iron
17	Coupling adapter	Cast iron
22	Seat assembly	Cast iron
22a	Coupling seat	Cast iron
22b	Upperguide 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	

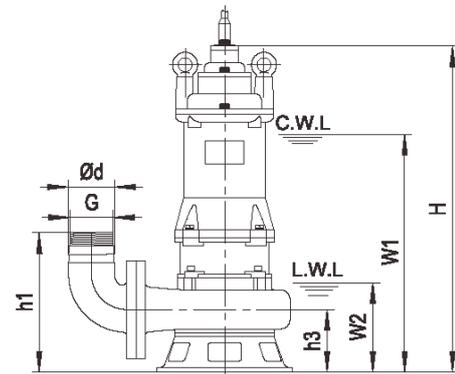
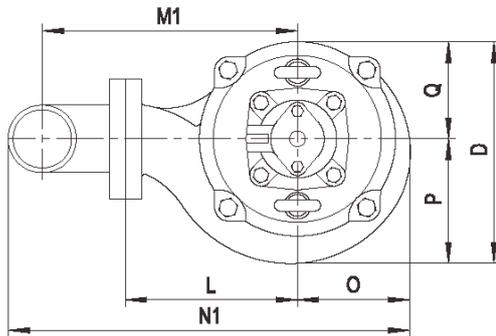
## Performance Curve



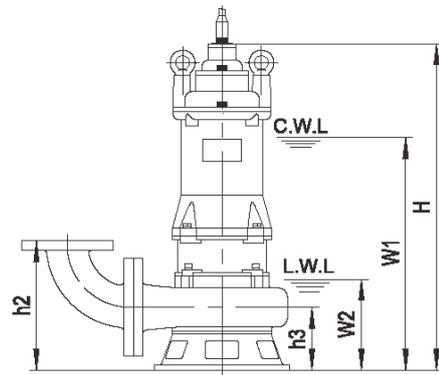
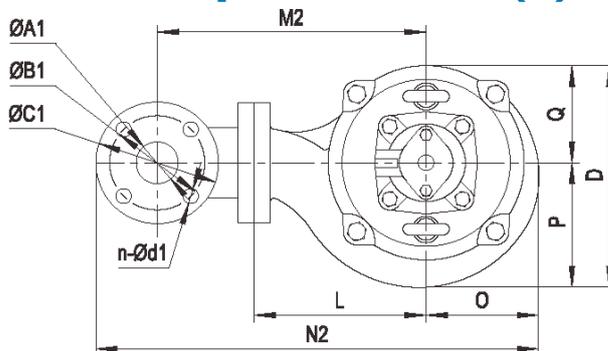
Model	Voltage	Current	Motor power		Outlet		Rated capacity	Rated head	Max capacity	Max Head	Impeller Passage	Cable
	V		kW	HP	in	mm						
50C2.75	380	2	0.75	1	2	50	10	8	24	12	20	4G1.0
50C2.75S	220	5.2	0.75	1	2	50	10	8	24	12	20	3G1.0
50C21.1	380	2.8	1.1	1.5	2	50	15	9	27	15	20	4G1.0
50C21.1S	220	7.2	1.1	1.5	2	50	15	9	27	15	20	3G1.0
50C21.5	380	3.2	1.5	2	2	50	25	8	31	13	25	4G1.0
80C21.5	380	3.2	1.5	2	3	80	40	6	52	13	25	4G1.0
50C22.2	380	5	2.2	3	2	50	25	12	35	17	25	4G1.0
80C22.2	380	5	2.2	3	3	80	40	9	61	17	25	4G1.0
80C23.0	380	6.5	3.0	4	3	80	42	11	67	21	30	4G1.5
80C24.0	380	8.9	4.0	5.5	3	80	50	12	79	24	30	4G1.5
100C25.5	380	11.7	5.5	7.5	4	100	65	13	107	27	35	4G2.5
100C27.5	380	15.7	7.5	10	4	100	85	13	120	30	35	4G2.5

## Dimension

### Movable Soft Pipe Installation (R)



### Movable Hard Pipe Installation (Y)



C.W.L : Continuous running water level  
L.W.L : Lowest running water level

### Dimensions table

Model	Ød	G	ØA1	ØB1	ØC1	n-Ød1	h1	h2	h3	W1	W2	H	O	P	Q	L	D	M1	M2	N1	N2
50C2.75	50	G1½"	50	110	140	4-Ø14	205	200	100	350	140	490	100	100	100	130	200	195	225	320	395
50C2.75S	50	G1½"	50	110	140	4-Ø14	205	200	100	350	140	490	100	100	100	130	200	195	225	320	395
50C21.1	50	G1½"	50	110	140	4-Ø14	205	200	100	355	140	490	100	100	100	130	200	195	225	320	395
50C21.1S	50	G1½"	50	110	140	4-Ø14	205	200	100	375	140	510	100	100	100	130	200	195	225	320	395
50C21.5	50	1½"	50	110	140	4-Ø14	215	210	110	400	170	585	107	110	107	165	217	230	260	363	438
80C21.5	80	2½"	80	150	190	4-Ø18	255	250	110	400	170	585	107	110	107	165	217	255	305	400	510
50C22.2	50	1½"	50	110	140	4-Ø14	215	210	110	420	170	585	107	110	107	165	217	230	260	363	438
80C22.2	80	2½"	80	150	190	4-Ø18	255	250	110	420	170	585	107	110	107	165	217	255	305	400	510
80C23.0	80	2½"	80	150	190	4-Ø18	265	260	120	455	185	640	130	138	130	170	268	263	313	430	538
80C24.0	80	2½"	80	150	190	4-Ø18	265	260	120	485	185	675	130	138	130	170	268	263	313	430	538
100C25.5	100	—	100	170	210	4-Ø18	300	280	130	510	200	710	135	147	135	200	282	302	352	487	592
100C27.5	100	—	100	170	210	4-Ø18	310	290	140	525	210	675	125	150	135	200	285	302	352	487	592

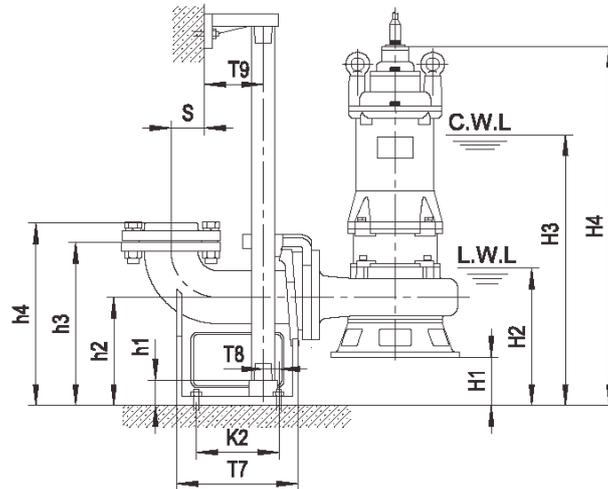
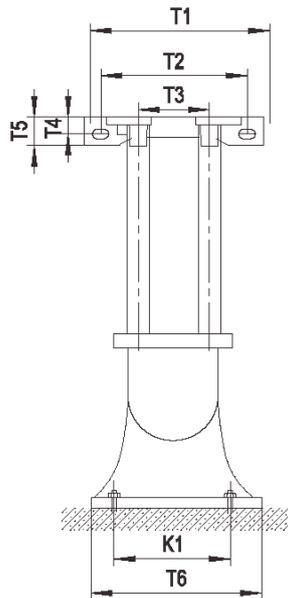
### Weights & Packing dimensions

Model	R			Y		
	N.W kg	G.W kg	Packing dimension mm	N.W kg	G.W kg	Packing dimension mm
50C2.75	26	27.5	535×245×250	28	29.5	535×245×260
50C2.75S	26.5	28	535×245×250	28.5	30	535×245×260
50C21.1	27.5	29	555×245×250	29.5	31	555×245×260
50C21.1S	29	30.5	555×245×250	31	32.5	555×245×260
50C21.5	39	44	680×250×325	41	46	680×250×335
80C21.5	44	48.5	680×250×325	48	52	680×250×345

Model	R			Y		
	N.W kg	G.W kg	Packing dimension mm	N.W kg	G.W kg	Packing dimension mm
50C22.2	41	46	700×250×325	43	48	700×250×335
80C22.2	46	50.5	700×250×325	50	54	700×250×345
80C23.0	56	62	760×300×355	60	66	760×300×375
80C24.0	64	70	800×300×355	68	74	800×300×375
100C25.5	83	89	830×320×355	89	95	830×320×385
100C27.5	98	105	834×314×400	104	111	834×314×430

## Dimension

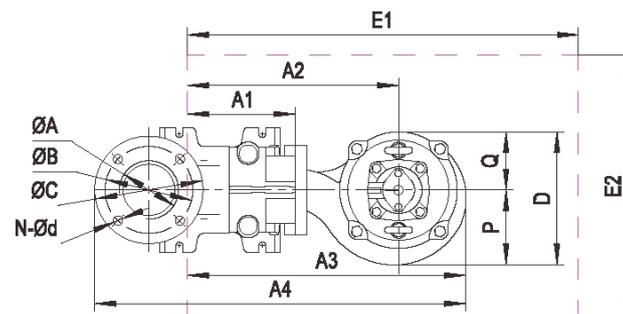
### Auto-Coupled Installation (Z)



C.W.L : Continuous running water level

L.W.L : Lowest running water level

The coupling and pump will be packed individually, packing dimension and weight in table only refer to the pump, please refer to P48 to check coupling's packing dimension and weight.



### Dimensions table

Auto coupling	ØA	ØB	ØC	N-Ød	T1	T2	T3	T4	T5	T6	T7	T8	T9	K1	K2	S	h1	h2	h3	h4
50-50(PN6)	Ø50 / G2"	110	140	4-Ø14	265	215	105	25	42	200	215	15	67	165	135	63	25	160	250	280
80-80(PN6)	Ø80 / G3"	150	190	4-Ø18	315	265	145	27	50	255	225	30	78	215	155	77	25	190	305	335
100-100(PN6)	Ø100 / G4"	170	210	4-Ø18	365	305	170	32	55	295	260	35	95	265	175	100	25	230	350	380

### Dimensions table

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
50C2.75	50-50(PN6)	62	200	410	550	155	283	383	515	100	100	200	650×550	24	25.5	535×245×250
50C2.75S	50-50(PN6)	62	200	410	550	155	283	383	515	100	100	200	650×550	24.5	26	535×245×250
50C21.1	50-50(PN6)	62	200	415	550	155	283	383	515	100	100	200	650×550	25.5	27	555×245×250
50C21.1S	50-50(PN6)	62	200	435	570	155	283	383	515	100	100	200	650×550	27	28.5	555×245×250
50C21.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
80C21.5	80-80(PN6)	80	250	480	645	176	340	447	620	110	107	217	650×550	39	43.5	680×250×325
50C22.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
80C22.2	80-80(PN6)	80	250	500	665	176	340	447	620	110	107	217	650×550	41	45.5	700×250×325
80C23.0	80-80(PN6)	70	255	525	710	176	347	477	650	138	130	268	700×550	51	57	760×300×355
80C24.0	80-80(PN6)	70	255	555	745	176	347	477	650	138	130	268	700×550	59	65	800×300×355
100C25.5	100-100(PN6)	100	300	610	810	200	400	535	740	147	135	282	750×550	77	83	830×320×355
100C27.5	100-100(PN6)	90	310	640	770	200	400	535	740	150	135	285	750×550	92	99	834×314×400





Your Local Distributor Details :

Empty rounded rectangular box for distributor details.



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