C-SERIES SUBMERSIBLE RANGE

Raw Sewage: 1.1 - 7.5kW

Design

The C Range of raw sewage / sludge pumps feature an adjustable bottom plate to maintain efficiency by maintaining the preferred clearance in relation to the channel impeller. The inlet opening is shaped like a star and grabs stringy solids entering the pump. As the open vane impeller rotates, it effectively cuts all stringy solids (held by the inlet plate) to manageable sizes, before

allowing access to the pump volute.



Performance range

Maximum Head:	30m
Maximum Flow:	120m³/h
Power:	1.1 - 7.5kW
Motor Speed:	2 Pole

Operating conditions

Liquid temperature:	up to 40°C
Density of liquid:	1.3g/cm³
PH:	6 to 10
Protection class:	P68, Class B
Maximum immersion depth:	10m
Cable length:	8m



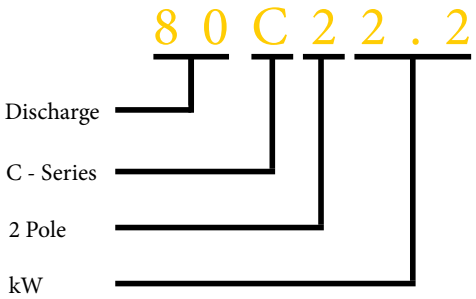
Duckfoot

Materials of construction

Cast iron pump construction.
Cast iron impeller construction, open type single channel.
Integrated cutter mechanism located on pump inlet.
Double mechanical shaft seal (silicon carbide-silicon carbide/carbon graphite-ceramic).



Static Ripper Plate

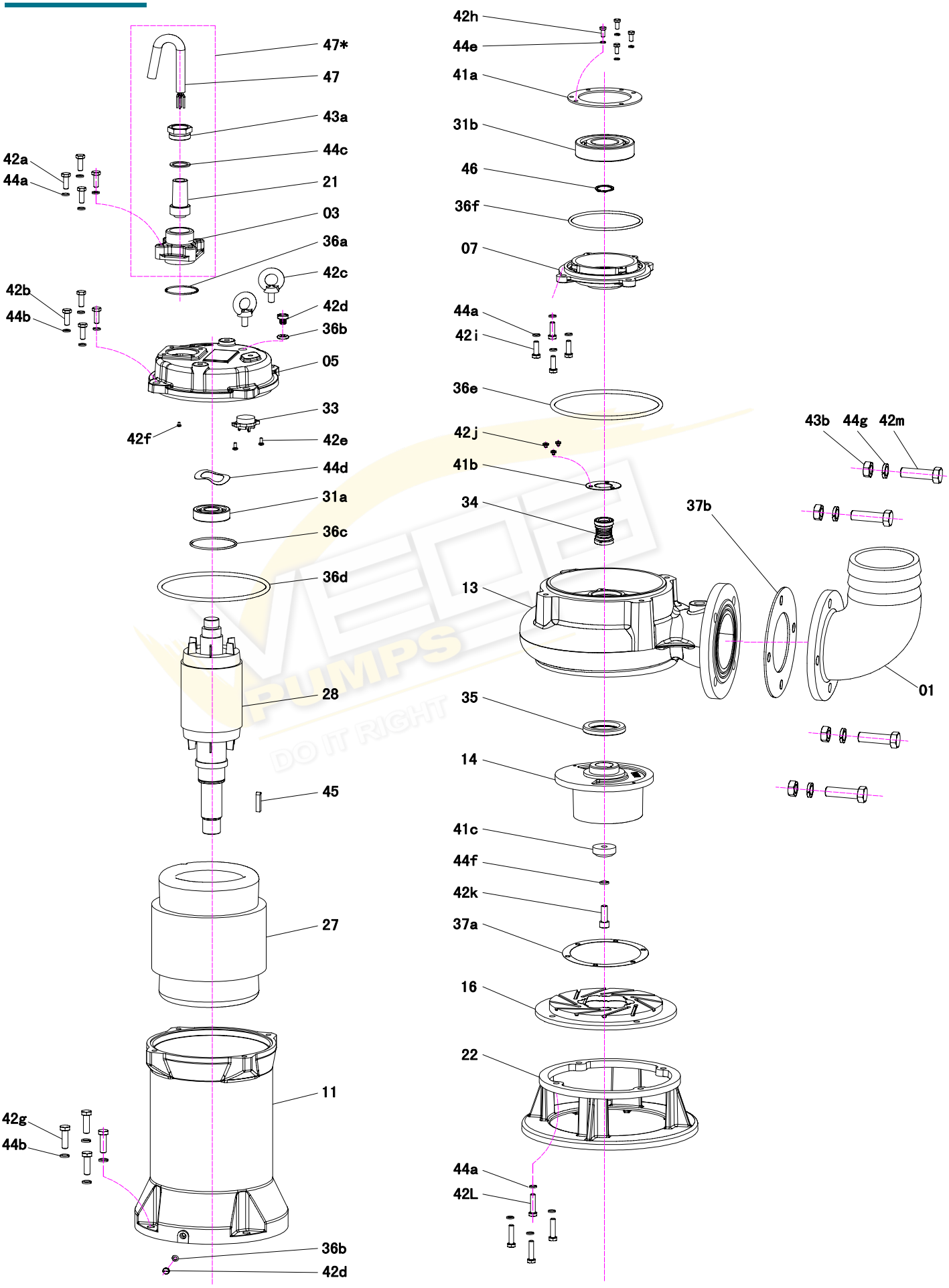


MODEL	VOLTAGE	CURRENT	MOTOR POWER		OUTLET		MAX FLOW	MAX HEAD	IMPELLER PASSAGE	CABLE
	V	A	kW	HP	INCH	MM	m³/h	m	mm	mm²
50C21.1S	220	7.2	1.1	1.5	2	50	27	15	20	3G1.0
50C21.1	380	2.8	1.1	1.5	2	50	27	15	20	4G1.0
50C21.5	380	3.2	1.5	2	2	50	31	13	40	4G1.0
50C22.2	380	5	2.2	3	2	50	35	17	40	4G1.0
80C23.0	380	6.5	3.0	4	3	80	67	21	30	4G1.5
80C24.0	380	8.9	4.0	5.5	3	80	79	24	30	4G1.5
100C25.5	380	11.7	5.5	7.5	4	100	107	27	35	4G2.5
100C27.5	380	15.7	7.5	10	4	100	135	30	50	4G2.5

Pumps On Line - www.pumps.co.za

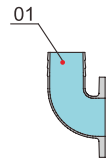
C-SERIES SUBMERSIBLE RANGE

EXPLODED VIEW

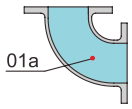


TECHNICAL INFORMATION

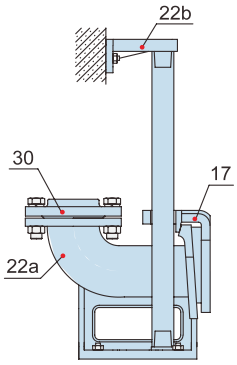
Movable Soft Pipe Installation (R)

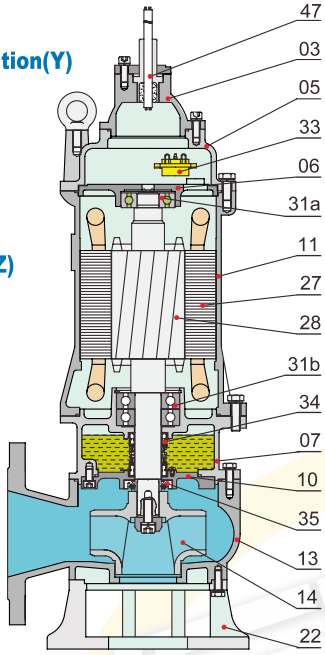


Movable Hard Pipe Installation(Y)



Auto-coupled Installation (Z)





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	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	

Weights & Packing Dimensions

MODEL	N.W	G.W	PACKING DIMENSIONS
	kg	kg	mm
50C21.1	27	28.5	540*245*250
50C21.5	39	43.5	680*250*325
50C22.2	46	50.5	700*250*325
80C23.0	56	62	760*300*355
80C24.0	64	70	800*300*355
100C25.5	83	89	830*320*355
100C27.5	95	105	834*314*400