B-SERIES SUBMERSIBLE

Raw Sewage: 5.5 - 22kW

PERFORMANCE RANGE

Maximum Head:	42m
Maximum Flow:	550m³/h
Power:	5.5-22kW
Motor Speed:	2 Pole
	4 Pole

OPERATING CONDITIONS

Liquid temperature:	up to 40°C
Density of liquid:	1.3g/cm³
PH:	6 to 10
Protection class:	IP68, Class F
Maximum immersion depth:	20m
Cable length:	8m

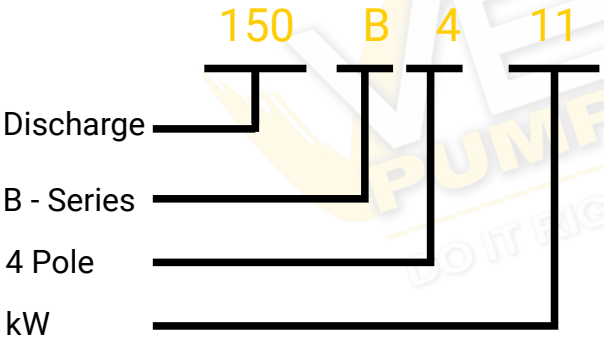




Duckfoot

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).



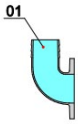
MODEL	VOLTAGE	CURRENT	MOTOR POWER		OUTLET		MAX FLOW	MAX HEAD	IMPELLER PASSAGE	CABLE
	V	A	kW	HP	INCH	MM	m³/h	m	mm	mm²
50B25.5	380	11.7	5.5	7.5	2	50	52	42	20	4G2.5
150B411	380	22	11	15	6	150	260	24	65	4G4.0
200B415	380	30.1	15	20	8	200	490	21	70	4G6.0
200B419	380	38	19	25	8	200	530	25	70	4G10.0
150B422	380	45	22	30	8	200	330	39	60	4G10.0
200B422	380	45	22	30	8	200	550	27	70	4G10.0

MODEL	N.W	G.W	PACKING DIMENSIONS
	kg	kg	mm
50B255	74	81	790*290*355
150B411	256	274	700*470*1155
200B415	302	321	700*500*1245
200B419	354	373	740*510*1305
150B422	347	367	700*480*1265
200B422	374	394	740*510*1305

Pumps On Line - www.pumps.co.za

B-SERIES SUBMERSIBLE
EXPLODED VIEW

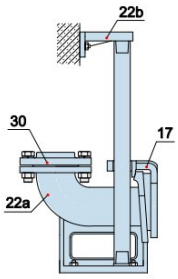
Movable Soft Pipe Installation (R)

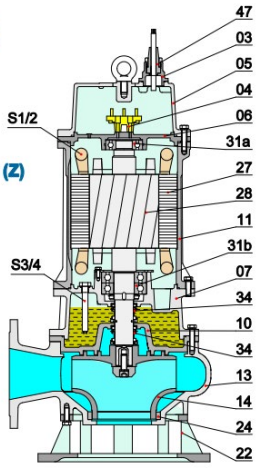


Hard Pipe Installation(Y)



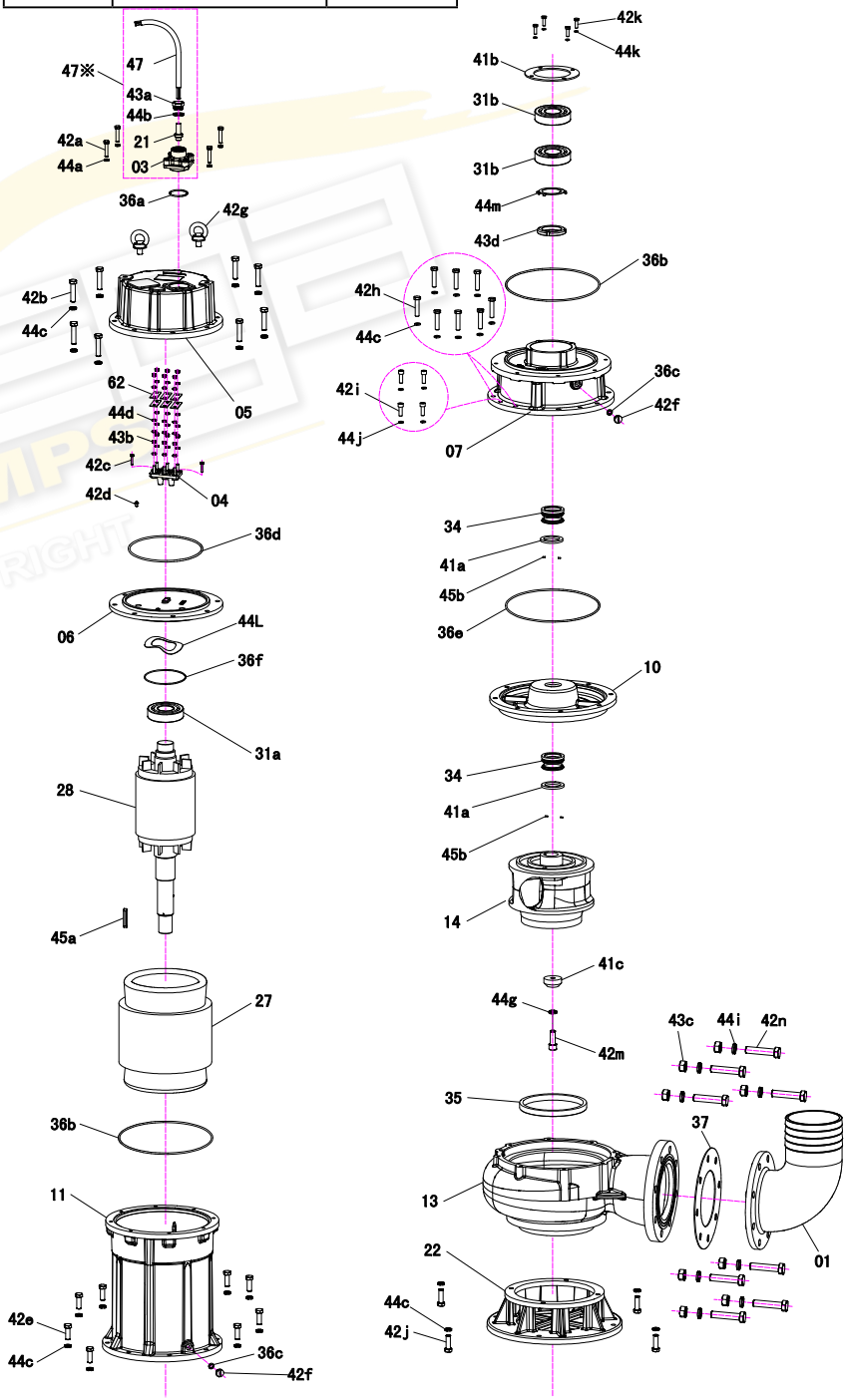
Auto-coupled Installation (Z)





ITEM No.	PART NAME	MATERIAL
01	HOSE COUPLING	CAST IRON
01a	HOSE COUPLING	CAST IRON
03	TERMINAL BOX	CAST IRON
04	WIRING TERMINAL	
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
22	SEAT ASSEMBLY	CAST IRON

ITEM No.	PART NAME	MATERIAL
22a	COUPLING SEAT	CAST IRON
22b	UPPER GUIDE SUPPORT	CAST IRON
24	NECK RING	HIGH CHROME ALLOY
27	STATOR	
28	ROTOR	SHAFT: AISI420SS
30	FLANGE	CAST IRON
31a	BEARING	BALL BEARING
31b	BEARING	BALL BEARING
34	MECHANICAL SEAL	SIC-SIC
47	CABLE	
S1/2	OVERHEAT PROTECTOR: ON OPTION	
S3/4	OIL WATER LEAKAGE PROBE: ON OPTION	



B-SERIES SUBMERSIBLE
EXPLODED VIEW

Index	Part name	Qty	Material
01	Hose coupling	1	Cast iron
03	Terminal box	1	Cast iron
04	Wire holder	1	
05	Upper cover	1	Cast iron
06	Up-Bearing house	1	Cast iron
07	Bearing house	1	Cast iron
10	Seal bracket	1	Cast iron
11	Motor body	1	Cast iron
13	Pump body	1	Cast iron
14	Impeller	1	Ductile iron
21	Cable tube	1	NBR
22	Seat assembly	1	Cast iron
27	Stator	1	
28	Rotor	1	
31a	Bearing	1	
31b	Bearing	2	
34	Mechanical seal	2	Sic-Sic
35	Neck ring	1	High chrome alloy
36a	O-ring	1	NBR
36b	O-ring	2	NBR
36c	O-ring	2	NBR
36d	O-ring	1	NBR
36e	O-ring	1	NBR
36f	O-ring	1	NBR
37	Gasket	1	NBR
41a	Mechanical seal fixing plate	2	AISI304SS
41b	Bearing fixing plate	1	
41c	Pressing block	1	AISI304SS
42a	Bolt	4	AISI304SS
42b	Bolt	8	AISI304SS
42c	Screw	2	

Index	Part name	Qty	Material
42d	Screw	1	
42e	Bolt	8	AISI304SS
42f	Screw	2	
42g	Screw	2	AISI304SS
42h	Bolt	8	AISI304SS
42i	Screw	4	AISI304SS
42j	Bolt	4	AISI304SS
42k	Bolt	4	AISI304SS
42m	Screw	1	AISI304SS
42n	Bolt	4 or 8	
43a	Cable nut	1	
43b	Nut	12	
43c	Nut	4 or 8	
43d	Nut	1	
44a	Spring washer	4	AISI304SS
44b	Washer	1	AISI304SS
44c	Spring washer	28	AISI304SS
44d	Washer	24	
44g	Spring washer	1	AISI304SS
44i	Spring washer	4 or 8	
44j	Spring washer	4	AISI304SS
44k	Spring washer	4	AISI304SS
44L	Wave pad	1	65Mn
44m	Profiled pad	1	65Mn
45a	Key	1	AISI304SS
45b	Key	4	AISI304SS
47	Cable	1	AISI304SS
47	Cable-Terminal Box Assembly	1	
62	Connecting Terminal	6	