

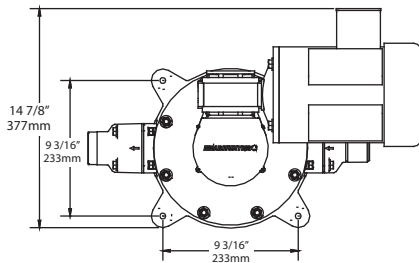


Solids Handling Diaphragm Pump

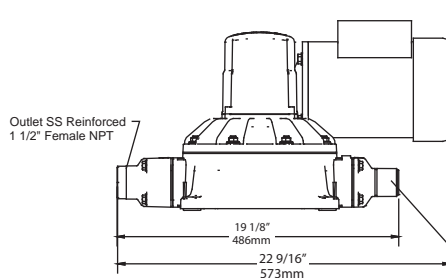


- Self-priming to 10 Ft.
- 1-1/2" Male NPT Inlet
- 1-1/2" Female NPT Discharge
- Dry Run Capability
- Reinforced Polypropylene Construction
- Neoprene Diaphragms and Valves
- 316 Stainless Steel Shaft and Hardware
- Washdown Duty Motors

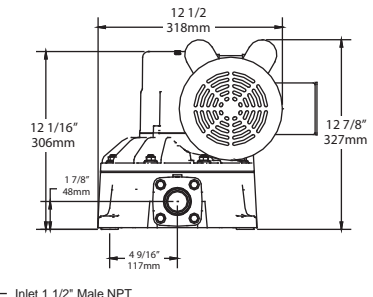
The Tortuga is an aggressive solids handling diaphragm pump constructed of a lightweight corrosion proof glass reinforced polypropylene. This pump is ideal for sewage, gray water, fish box and bilge applications where reliability is a premium. Its' solids handling and self-priming properties make it ideal for transferring waste from holding tanks into sewage treatment systems or overboard. All pumps are equipped with 1-1/2 inch NPT fittings for fast, easy installation.



Plan View



Elevation

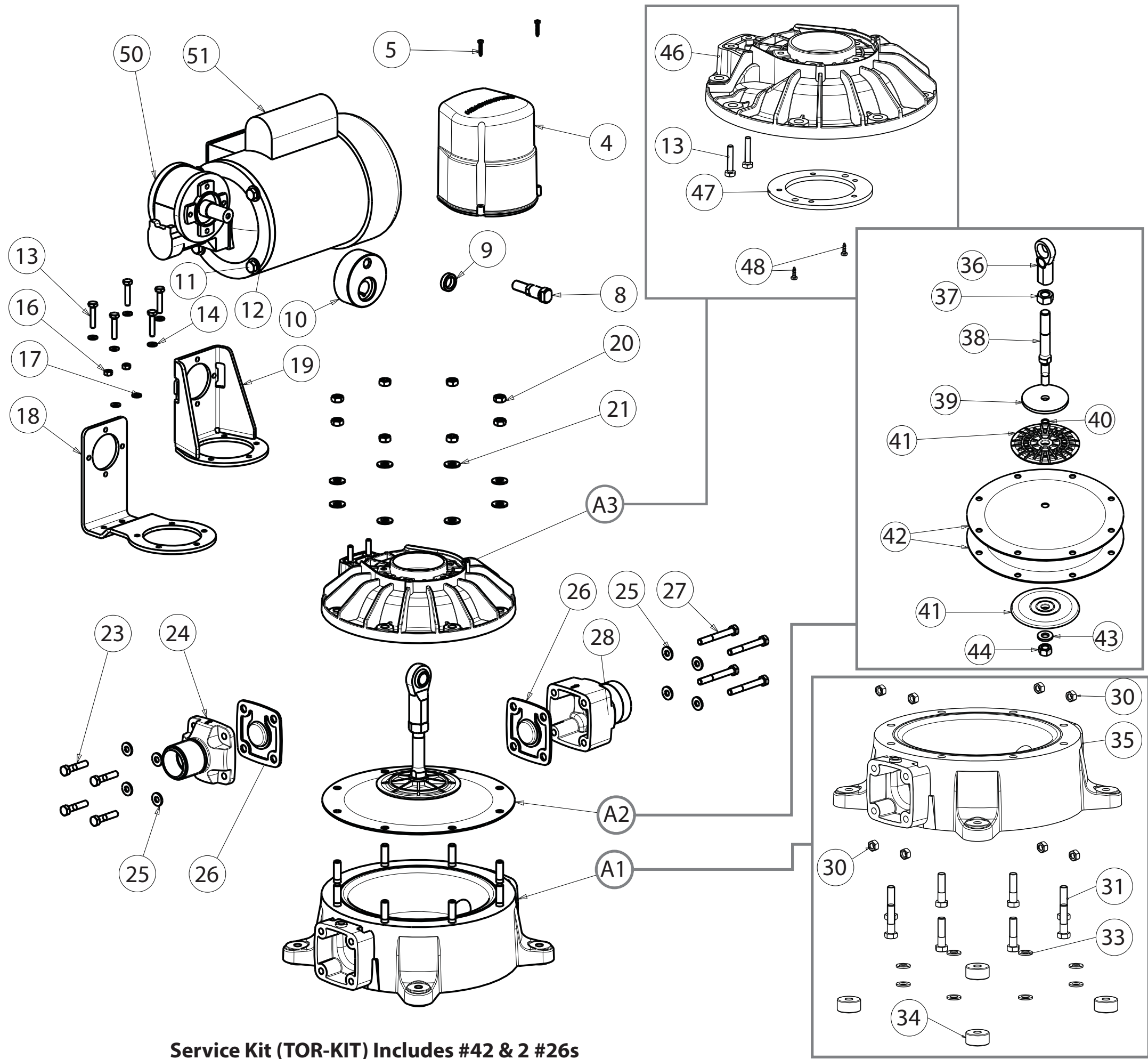


End View

PART #	VOLTAGE	AMPS	Breaker Size
TORTUGA PUMP 1/2 HP Self Priming Diaphragm Pump			
TOR-12	12VDC	39	45
TOR-24	24VDC	20	25
TOR-1P60	115/208-230 VAC 1ph 60hz	8.8/4.4	15/10
TOR-1P50	220VAC 1ph 50hz	3.2	5
TOR-3P60	208-230/460 VAC 3ph 60hz	2.0/1.0	5
TOR-3P50	220/380/440 VAC 3ph 50hz	2.0/1.0	5

PERFORMANCE

Delivery (Flow): 10 GPM (38 lpm)
 Max Suction lift: 10 ft. (3 m)
 Max Discharge (Head): 15 ft. (4.6 m)
 Weight: 43 lbs (19.5 kg)



Service Kit (TOR-KIT) Includes #42 & 2 #26s

No.	Part #	Description	Qty.
KIT	TOR-KIT	Service Kit - (diaphragm & check valves) #42 & #26 x 2	
A1	TOR-A1	Lower Body Assembly	1
A2	TOR-A2	Diaphragm & Shaft Assembly	1
A3	TOR-A3	Upper Body Assembly	1
4	TOR-P4	Safety cover	1
5	TOR-P5	Safety cover screw #6 x 1 PH	2
8	TOR-P8	Eccentric shaft	1
9	TOR-P9	Eye spacer	1
10	TOR-P10	Eccentric / Set Screw	1
11	TOR-P11	3/8-16 X 1" BOLT	4
12	TOR-P12	3/8 LOCK WASHER	4
13	TOR-P13	1/4-20 x 1.25" bolt	7
14	TOR-P14	1/4 flat washer	5
16	TOR-P16	1/4-20 nut	2
17	TOR-P17	1/4 LOCK WASHER	2
18	TOR-P18	Lower Gearbox Bracket	1
19	TOR-P19	Upper Gearbox Bracket	1
20	TOR-P20	3/8-16 nut	8
21	TOR-P21	3/8 flat washer	8
23	TOR-P23	5/16-18 x 1.5" bolt	4
24	TOR-P24	Inlet Fitting - Male 1 1/2" NPT	1
25	TOR-P25	5/16 flat washer	8
26	TOR-P26	Check Valve	2
27	TOR-P27	5/16-18 x 2.5" bolt	4
28	TOR-P28	Outlet Fitting - Female SSR 1 1/2" NPT	1
30	TOR-P30	5/16-18 nut	8
31	TOR-P31	3/8-16 x 1.5 bolt	8
33	TOR-P33	Bolt Retainer	8
34	TOR-P34	Rubber foot	4
35	TOR-P35	Lower pump body	1
36	TOR-P36	Rod eye	1
37	TOR-P37	5/8 x 18 sst jam nut	1
38	TOR-P38	Shaft arm	1
39	TOR-P39	Diaphragm plate washer	1
40	TOR-P40	Shaft o-ring	1
41	TOR-P41	Diaphragm plate	2
42	TOR-P42	Diaphragm - Includes 2 membranes	2
43	TOR-P43	Lower Plate Washer	1
44	TOR-P44	Lower Lock Nut	1
46	TOR-P46	Upper pump body	1
47	TOR-P47	Lower bolt ring	1
48	TOR-P48	Bolt Ring Screw	2
50	TOR-P50	GEARBOX	1
51	(Motor Part #)	Pumps Motor (Part #'s will differ depending on voltages)	1

*Motor may appear differently than shown in the diagram below



Tortuga Exploded Diagram

Rev: 3/2414

drawn by: Case Crowther