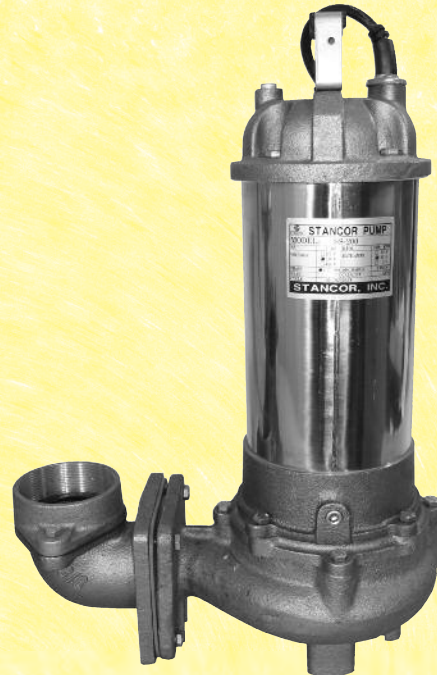




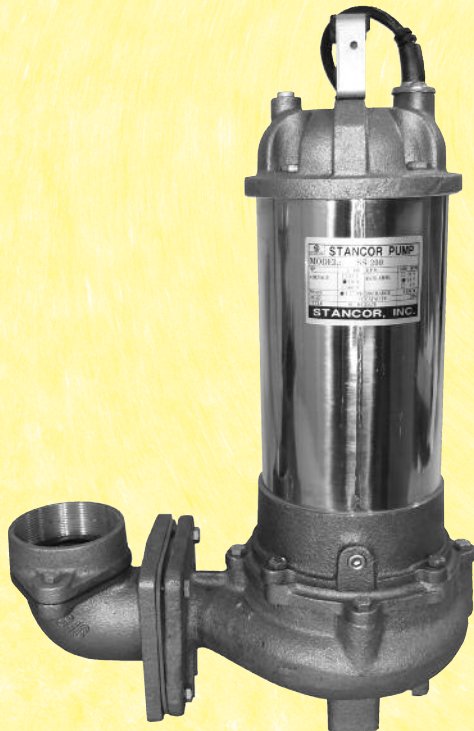
# Stancor Avenger Series Wastewater Submersible Stainless Steel Vortex Pumps



SS-50  
Freestanding



SS-100  
Freestanding



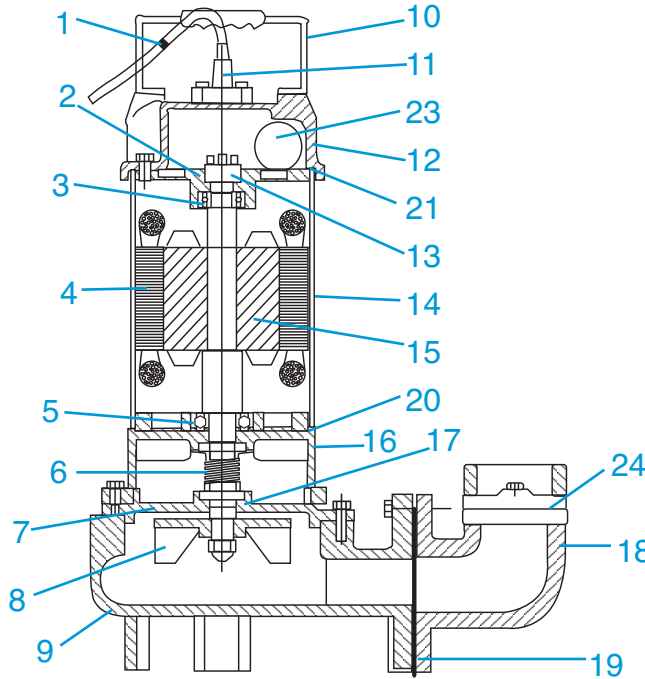
SS-300  
Freestanding



SS-750  
with Guide Rail  
Assembly

# Features

- 316 stainless steel motor housing, volute, impeller, and hardware
- Viton® o-rings, elastomers
- 33 foot, PVC jacketed 105° C cable
- Epoxy potted cable entry
- Recessed vortex impeller for reduced wear, unobstructed clearance
- SC/SC mechanical upper and lower seals with Viton® oil seal in separate oil housing chamber
- High efficiency air filled Class F insulated motor
- Built in overload/thermal protection<sup>1</sup>



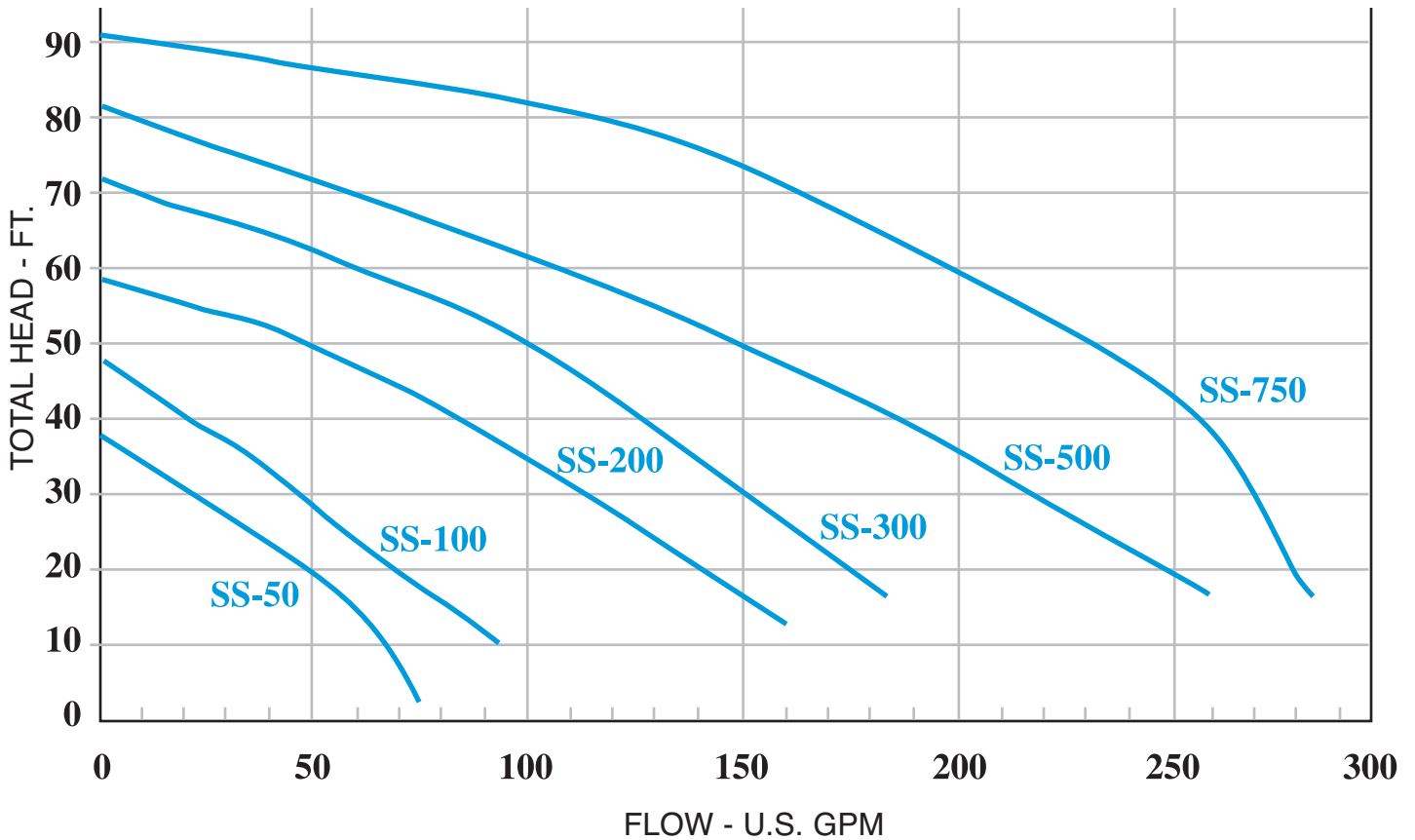
# SS Wastewater Series (Typical)

- SS-01 Cable Sowsow
- SS-02 Upper brg. cover
- SS-03 Upper brg.
- SS-04 Stator
- SS-05 Lower brg.
- SS-06 Mech. seal SIC/SIC
- SS-07 Seal housing 316
- SS-08 Impeller 316
- SS-09 Volute 316
- SS-10 Handle S/S
- SS-11 Cable entry Viton
- SS-12 Top cover 316
- SS-13 Motor protector
- SS-14 Motor housing 316
- SS-15 Rotor
- SS-16 Oil Chamber hsg. 316
- SS-17 Oil seal Viton
- SS-18 Discharge 316
- SS-19 Gasket Viton
- SS-20 Gasket/o-ring Viton
- SS-21 O-ring kit
- SS-22 Capacitor (single ph)
- SS-23 Gsket Viton

Pump Specs	SS-50	SS-100	SS-200	SS-300	SS-500	SS-750
Discharge	2"	2" or 3"	2" or 3"	2" or 3"	3" or 4"	3" or 4"
Impeller Type	Semi-vortex	Semi-vortex	Semi-vortex	Semi-vortex	Semi-vortex	Semi-vortex
Max. Solids	1 1/4"	1 1/4"	1 5/8"	1 3/4"	2 1/8"	2 1/8"
Pump Weight	35 lbs.	40 lbs.	53 lbs.	77 lbs.	125 lbs.	141 lbs.
Motor rating HP	0.5	1	2	3	5	7.5
Voltage (Amps)	1Ø 115 or 230	1Ø 115 or 230	1Ø 230 (5.5)	3Ø 230 or 460	3Ø 230 or 460	3Ø 230 or 460
Other voltages (Hz) available by request	(8/4) 3Ø 230 or 460 (2/1)	(14/7) 3Ø 230 or 460 (3/1.5)	3Ø 230 or 460 (6/3)	(9/5.2)	(15/8.6)	(22.5/12.8)
Speed (RPM)	3600	3600	3600	3600	3600	3600
Height* (max)	16"	16.7"	20.9"	21.7"	25"	26.6"
Width* (max)	9.1"	12.8"	15.4"	15.4"	20.7"	20.7"

\*Free standing models

## Stainless Steel Wastewater Avenger Series Pumps Performance Data



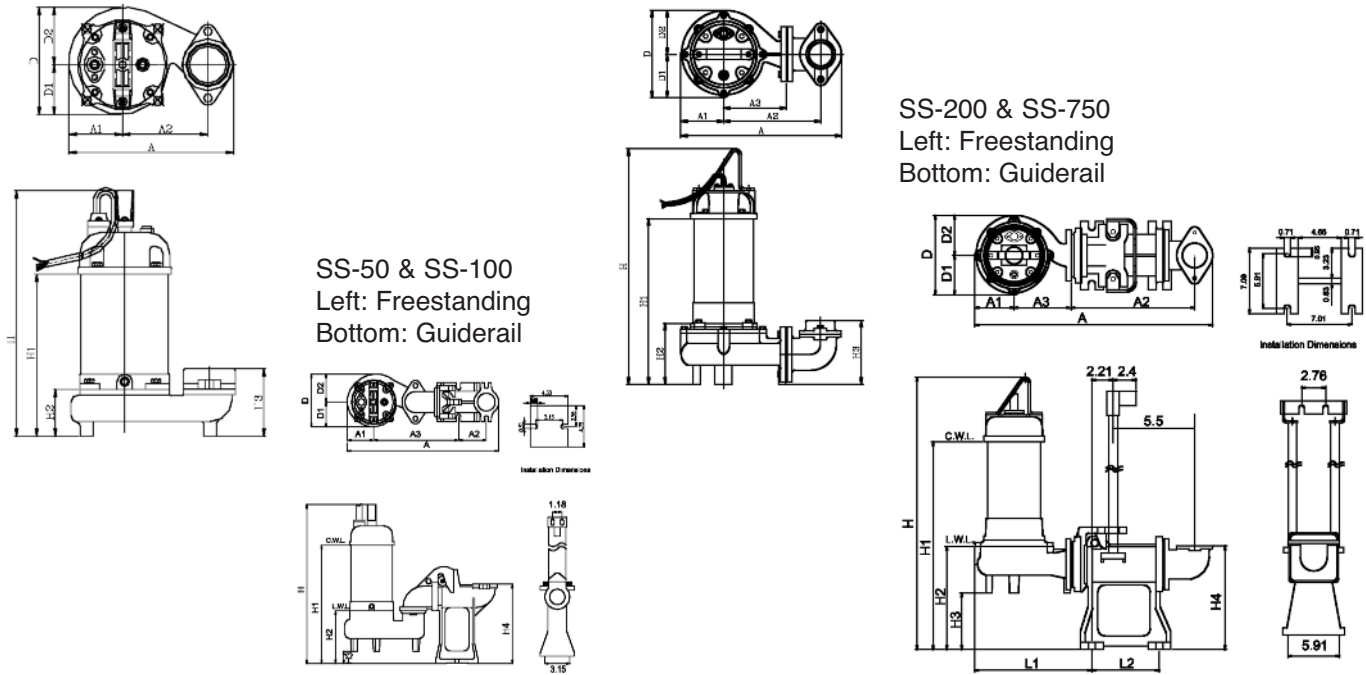
Item # (see prior page)	Part Description	Material Construction
1	Cable	PVC
2/5	Bearings	NTN/C-3
6	Mechanical Seal	SC/SC
7	Seal Housing (cover)	316 SS
8	impeller	316 SS
9	volute	316 SS
10	Handle	304 SS
12	Top Cover	316 SS
14	Motor Housing	316 SS
15	Rotor Shaft	316 SS
16	Oil Chamber Housing	316 SS
17	Oil Seal	Viton

### Optional Equipment:

- Seal leakage detection
- Standard and custom controls
- Trimmed impellers for high temperature applications\*
- Stainless steel guide rail systems
- Special voltages in 50 or 60 Hz
- Custom cable lengths

\* For 190° maximum intermittent temperature applications

## DIMENSION DRAWINGS



SS-200 & SS-750  
Left: Freestanding  
Bottom: Guiderail

SS-50 & SS-100  
Left: Freestanding  
Bottom: Guiderail

Installation Dimensions

Freestanding Dimensions (inches)													
Model	Disch. Inch	HP	A	A1	A2	A3	D	D1	D2	H	H1	H2	H3
SS-50	2"	0.5	8.98	2.88	6.11	N/A	5.91	2.72	3.19	16.2	11.7	4.61	5.44
SS-100	2"	1	8.98	2.88	6.11	N/A	5.91	2.72	3.19	17.4	12.9	4.61	5.44
SS-200	2" (3")	2	15.37	4.06	9.26	5.95	8.27	4.14	4.14	20.96	15.76	5.91	5.99
SS-300	2" (3")	3	15.37	4.06	9.26	5.95	8.27	4.14	4.14	21.75	16.55	5.91	5.99
SS-500	3" (4")	5	18.56	3.94	10.8	7.01	8.35	3.78	4.57	24.94	18.44	6.30	8.87
SS-750	3" (4")	7.5	18.56	3.94	10.8	7.01	8.35	3.78	4.57	26.52	20.02	6.30	8.87

Guiderail System Dimensions (inches)																
Model	Disch. Inch	HP	A	A1	A2	A3	D	D1	D2	H	H1	H2	H3	H4	L1	L2
SS-50	2"	0.5	16.82	2.88	2.96	9.57	5.91	2.72	3.19	17.10	12.57	5.52	0.87	8.98	N/A	N/A
SS-100	2"	1	16.82	2.88	2.96	9.57	5.91	2.72	3.19	18.28	13.75	5.52	0.87	8.98	N/A	N/A
SS-200	2" (3")	2	24.43	4.14	12.02	5.99	8.27	4.14	4.14	26.67	21.47	10.44	5.28	9.93	11.27	7.09
SS-300	2" (3")	3	24.43	4.14	12.02	5.99	8.27	4.14	4.14	27.46	22.26	10.44	5.28	9.93	11.27	7.09
SS-500	2" (3")	5	27.38	4.22	12.29	7.21	8.51	3.94	4.57	30.54	23.52	10.91	4.53	12.45	12.84	7.09
SS-750	2" (3")	7.5	27.38	4.22	12.29	7.21	8.51	3.94	4.57	32.11	25.10	10.91	4.53	12.45	12.84	7.09

(1) Vertical built-in discharge with female NPT outlet  
(2) Flanged pump with separate discharge elbow and female NPT outlet

