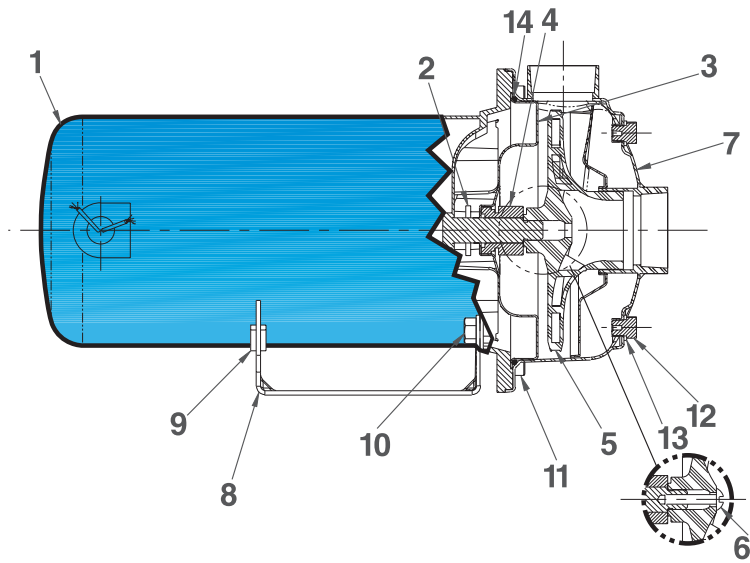


304 S.S. / 304 S.S. IMPELLER DURABLE LONGLIFE CONSTRUCTION

Materials of Construction						
Item No.	Description		Material			
1	Motor					
2	Water Slinger		Neoprene			
3	Seal Plate		AISI 304 S.S.			
5	Impeller		AISI 304 S.S.			
6	Impeller Locking Screw		18-8 S.S. (3 Phase Only)			
7	Casing		AISI 304 S.S.			
8	Base		Powder Painted Steel			
9	Isolator		Natural Rubber			
10	Socket Head Capscrew		AISI 304 S.S.			
11	Socket Head Capscrew		18-8 S.S.			
12	Vent/Drain Plug (Top & Bottom)		AISI 304 S.S.			
13	Gasket (Top & Bottom)		Teflon®			
14	O-Ring		Viton			
4	Mechanical Seal					
	Seal Option	Crane Type	Rotary	Stationary	Elastomer	Metal Parts
	2	2100	Carbon	Ceramic	Viton	18-8 S.S.
	3	2100	Carbon	Silicon-Carbide	Viton	18-8 S.S.
	4	2100	Silicon-Carbide	Silicon-Carbide	Viton	18-8 S.S.



Materials of Construction						
Item No.	Description			Material		
1	Motor					
2	Water Slinger			Neoprene		
3	Seal Plate			AISI 304 S.S.		
5	Impeller			Noryl®/AISI 316 S.S.		
6	Impeller Locking Screw			18-8 S.S. (3 Phase Only)		
7	Casing			AISI 304 S.S.		
8	Base			Powder Painted Steel		
9	Isolator			Natural Rubber		
10	Socket Head Capscrew			AISI 304 S.S.		
11	Socket Head Capscrew			18-8 S.S.		
12	Vent/Drain Plug (Top & Bottom)			AISI 304 S.S.		
13	Gasket (Top & Bottom)			Teflon		
14	O-Ring			Buna-N		
4	Mechanical Seal					
	Seal Option	Crane Type	Rotary	Stationary	Elastomer	Metal Parts
	1	6	Carbon	Ceramic	Buna-N	18-8 S.S.
	2	2100	Carbon	Ceramic	Viton	18-8 S.S.
	3	2100	Carbon	Silicon-Carbide	Viton	18-8 S.S.
	4	2100	Silicon-Carbide	Silicon-Carbide	Viton	18-8 S.S.

SSCX SERIES CENTRIFUGAL PUMPS

CHEMICAL COMPATIBILITY						
Chemical Name	Concentration	Temperature Degree F°	Noryl®	304 SS	Buna	Viton
Acetic Acid	10%	78	A	A	B	A
	10%	185	A	A	B	B
	90%	78	A	A	D	B
	90%	185	A	A	D	D
Ammonia		78	A	A	D	A
	10%	78	A	A	A	A
Ammonium Hydroxide		185	A	A	A	A
	10%	78	A	A	A	A
Ammonium Phosphate		78	A	A	A	A
	Sat.	185	A	A	A	A
Antifreeze		78	A	A	A	A
		185	A	A	A	A
Cascade		78	A	A	A	A
	10%	185	A	A	A	A
Chlorox		78	A	A	B	A
		185	A	A	B	A
Corn Oil		78	A	A	A	A
		185	A	A	A	A
Ethylene Glycol		78	A	A	A	A
		78	A	A	D	A
Isopropyl Alcohol		185	B	A	D	A
		78	A	A	D	A
Kerosene		78	A	A	D	A
		185	A	A	D	A
Lestoil		78	A	A		
	2%	78	A	A	A	A
Linseed Oil		78	A	A	A	A
		78	A	A	A	A
Methyl Alcohol		78	A	A	B	D
		78	B	A	A	A
White Mineral Oil		185	B	A	A	A
		78	A	A	D	A
Nitric Acid		185	A	A	D	A
		78	A	A	D	B
Oleic Acid		78	A	A	D	B
		78	A	A	D	A
Phosphoric Acid		60%	78	A	A	A
	Sat.	185	A	A	A	A
Potassium Bicarbonate		Sat.	78	A	A	A
	Sat.	185	A	A	A	A
Potassium Hydroxide		50%	78	A	A	B
	50%	185	A	A	B	B
Silicon		78	A	A	A	A
		185	A	A	A	A
Sodium Bicarbonate		Sat.	78	A	A	A
	Sat.	185	A		A	A
Sodium Chloride		Sat.	78	A	A	A
	Sat.1	85	A	B	A	A
Sodium Hydroxide		10%	78	A	A	B
		50%	78	A	B	D
Transmission Fluid		98%	78	A	D	A
		78	A	A	A	A
Water		185	A	A	A	A
		78	A	A	A	A
			212	B	A	B

A-No Effect - Excellent B-Minor Effect - Good C-Moderate to Severe Effect D-Not Recommended



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304 S.S. / 304 S.S. IMPELLER

The graph illustrates the relationship between Total Dynamic Head (TDH) in feet and Capacity in U.S. Gallons Per Minute (GPM) for different SS1XS pipe sizes and percentages. The Y-axis represents TDH in feet, ranging from 25 to 150. The X-axis represents Capacity in U.S. Gallons Per Minute, ranging from 0 to 70. Five main curves are shown, each corresponding to a specific pipe size and percentage. The curves generally show a decrease in TDH as capacity increases. The percentages for each curve are: SS1XS-2 1/2 (32%), SS1XS-2 (37%), SS1XS-1 1/2 (40%), SS1XS-1 (42%), and SS1XS-3/4 (44%).

Capacity (GPM)	SS1XS-2 1/2 (32%)	SS1XS-2 (37%)	SS1XS-1 1/2 (40%)	SS1XS-1 (42%)	SS1XS-3/4 (44%)
0	125	115	100	85	75
10	120	110	95	80	70
20	115	105	90	75	65
30	110	100	85	70	60
40	105	95	80	65	55
50	100	90	75	60	50
60	95	85	70	55	45
70	90	80	65	50	40

304 S.S. / NORYL IMPELLER

Model Number	HP	Voltage/ Phase	Enclosure	Mech. Seal (std.)	Suction Size	Discharge Size	Impeller Diameter	Motor Amps. (max.)	Lbs/Kg
SS1XS-3/4	3/4	115/230-1	ODP	2*	1-1/4"	1"	4-1/4"	14.8/7.4	25/12
		208-230/460-3						3.6/1.8	23/11
		115/230-1	TEFC	4*				14.2/7.1	37/17
		208-230/460-3						3.6/6.8	32/15
SS1XS-1	1	115/230-1	ODP	2*	1-1/4"	1"	4-9/16"	19.2/9.6	27/13
		208-230/460-3						4.7/2.35	28/14
		115/230-1	TEFC	4*				18.0/9.0	40/18
		208-230/460-3						4.8/2.4	35/16
SS1XS-1-1/2	1-1/2	115/230-1	ODP	2*	1-1/4"	1"	5"	24.0/12.0	32/15
		208-230/460-3						6.8/3.4	28/14
		115/230-1	TEFC	4*				11.7	50/23
		208-230/460-3						6.0/3.0	37/17
SS1XS-2	2	115/230-1	ODP	2*	1-1/4"	1"	5-1/2"	26.0/13.0	36/16
		208-230/460-3						8.5/4.25	31/14
		230-1	TEFC	4*				11.7	52/24
		230/460-3						7.0/3.5	46/21
SS1XS-2-1/2	2-1/2	230-1	ODP	2*	1-1/4"	1"	5-3/4"	26.0/13.0	37/17
		208-230/460-3						8.5/4.25	33/15
		230-1	TEFC	4*				11.7	55/25
		230/460-3						7.0/3.5	46/21

Model Number	HP	Voltage/ Phase	Enclosure	Mech. Seal (std.)	Suction Size	Discharge Size	Impeller Diameter	Motor Amps. (max.)	Lbs/Kg
SS1XN-1/2	1/2	115/230-1	ODP	1*	1-1/4"	1"	4-3/4"	8.8/4.4	22/10
		208-230/460-3						2.3/1.15	26/12
		115/230-1	TEFC	1*				8.2/4.1	32/15
		208-230/460-3						2.2/1.1	29/13
SS1XN-3/4	3/4	115/230-1	ODP	1*	1-1/4"	1"	5"	12.4/6.2	25/12
		208-230/460-3						3.1/1.55	27/13
		115/230-1	TEFC	1*				11.6/5.8	37/17
		208-230/460-3						2.9/1.45	32/15
SS1XN-1	1	115/230-1	ODP	1*	1-1/4"	1"	5-1/4"	14.8/7.4	27/13
		208-230/460-3						3.6/1.8	28/13
		115/230-1	TEFC	1*				14.2/7.1	40/18
		208-230/460-3						3.6/1.8	35/16
SS1XN-1-1/2	1-1/2	115/230-1	ODP	1*	1-1/4"	1"	5-5/16"	19.2/9.6	32/15
		208-230/460-3						4.7/2.35	28/13
		115/230-1	TEFC	1*				18.0/9.0	50/23
		208-230/460-3						4.8/2.4	37/17
SS1-1/4XN-2	2	115/230-1	ODP	1*	1-1/2"	1-1/4"	5-7/8"	24.0/12.0	36/16
		208-230/460-3						6.8/3.4	31/14
		230-1	TEFC	1*				10.4	52/24
		230/460-3						6.0/3.0	46/21
SS1-1/4XN-2-1/2	2-1/2	230-1	ODP	1*	1-1/2"	1-1/4"	6-1/8"	24.0/12.0	37/17
		230/460-3						8.5/4.25	33/15
		230-1	TEFC	1*				11.7	55/25
		230/460-3						7.3/3.65	46/21