

## MODEL: S3N & S3NX—Solids Handling Sewage Pumps

R.P.M.	1750			
MOTOR TYPE	ENCLOSED, OIL COOLED INDUCTION, VFD SUITABLE			
MOTOR DESIGN NEMA TYPE	B (3Ø) L (1Ø)			
GENERAL INSULATION CLASS	F			
STATOR WINDING CLASS	F			
MAXIMUM STATOR TEMPERATURE	311°F (155°)			
MOTOR PROTECTION	BI-METALLIC, TEMPERATURE SENSITIVE DISC, SIZED TO OPEN AT 120°C AND AUTOMATICALLY RESET @ 90–65°C DIFFERENTIAL, ONE IN SINGLE PHASE, TWO IN THREE PHASE			
ELECTRICAL RATINGS	HEAT SENSOR	24VDC 5AMPS	115VAC 5AMPS	230VAC 5AMPS
	SEAL FAIL	300VAC 5mA		
VOLTAGE TOLERANCE	±10%			

HP	VOLTAGE	PHASE	NEC CODE	SF	FULL LOAD AMPS	SF AMPS	LCKD. RTR. AMPS	RUN KW	START KVA	RUN KVA	MTR. EFF. @ SF	MTR. EFF. 100% FL	MTR. EFF. 75% FL	MTR. EFF. 50% FL	PWR. FACT. @ SF	PWR. FACT. 100% FL	PWR. FACT. 75% FL	PWR. FACT. 50% FL
2	230	1	J	1.2	12.8	14.8	62	2.4	14.3	2.9	.63	.63	.60	.54	.84	.81	.75	.66
	200				7.8	8.8	46	2.1	15.9	2.7	.74	.73	.70	.63	.79	.76	.70	.59
2	230	3	J	1.2	6.8	7.7	40											
	460				3.4	3.8	20											
	575				2.7	3.1	16											
3	230	1	G	1.2	17.1	20	79	3.3	18.2	3.9	.67	.67	.65	.57	.88	.85	.80	.71
3	200	3	J	1.2	10.9	12.8	64.5	3.1	22.3	3.8	.73	.72	.70	.64	.83	.82	.80	.72
	230				9.5	11.1	56											
	460				4.8	5.6	28											
	575				3.8	4.5	22.5											
5	230	1	G	1.2	29.5	34.2	125	5.7	28.8	6.8	.66	.66	.65	.60	.87	.84	.77	.64
5	200	3	J	1.2	17.9	21.5	108	4.8	37.4	6.1	.79	.79	.77	.72	.80	.78	.73	.62
	230				15.6	18.7	94											
	460				7.8	9.4	47											
	575				6.2	7.5	37.6											
7½	200	3	K	1.2	29	32.9	194	7.2	67	10.1	.78	.78	.76	.71	.76	.72	.66	.56
	230				25.2	28.6	168											
	460				12.6	14.3	84											
	575				10.1	11.4	67.2											

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VOLTAGE TOLERANCE	±10%			

HP	VOLTAGE	PHASE	NEC CODE	SF	FULL LOAD AMPS	SF AMPS	LOCKED ROTOR AMPS	RUN KW	START KVA	RUN KVA	MTR. EFF. @ SF	MTR. EFF. 100% FL	MTR. EFF. 75% FL	MTR. EFF. 50% FL	PWR. FACT. @ SF	PWR. FACT. 100% FL	PWR. FACT. 75% FL	PWR. FACT. 50% FL
1.0	200	1	K	1.2	9.4	10.2	43.5	1.3	8.7	1.9	.59	.57	.52	.43	.75	.70	.65	.54
	230				8.2	8.9	37.8											
1.0	200	3	J	1.2	4.3	5.0	20.7	1.1	7.2	1.5	.71	.70	.68	.61	.74	.71	.64	.54
	230				3.8	4.3	18.0											
	460				1.9	2.2	9.0											
	575				1.5	1.7	7.2											
2	200	1	H	1.2	18.6	20.6	64.4	2.5	12.9	3.7	.60	.59	.55	.47	.73	.68	.60	.50
	230				16.2	17.9	56.0											
2	200	3	H	1.2	8.4	9.6	37.0	2.0	12.8	2.9	.74	.74	.73	.67	.73	.70	.62	.52
	230				7.3	8.3	32.2											
	460				3.6	4.2	16.0											
	575				2.9	3.3	12.9											