

Electrical Data – S4N/S4NS/S4NX

MODEL: S4N, S4NS & S4NX – 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	LCRD. RTR. AMPS	FULL LOAD KW	START KVA	FULL LOAD 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	K	1.2	12.8	14.8	72	2.7	16.6	2.9	.63	.63	.60	.54	.84	.81	.75	.66						
	200				7.8	8.8	51	2.6	18.4	2.8	.74	.73	.70	.63	.79	.76	.70	.59						
	230	6.8	7.7		54	2.4	21.5	2.7																
	460	3.4	3.8		27	2.4	21.5	2.7																
575	3	M	2.7	3.1	18	2.5	17.9	2.7	.67	.67	.65	.57	.88	.85	.80	.71								
230			17.1	20	106	3.5	24.4	3.9																
200	3	H	10.9	12.8	86	3.5	30.9	3.8																
230			9.5	11.1	52	3.7	20.7	3.8																
460			4.8	5.6	26	3.7	20.7	3.8																
575	1	K	3.8	4.5	25	3.6	25.1	3.8	.66	.66	.65	.60	.87	.84	.77	.64								
230			29.5	34.2	153	5.4	35.2	6.8																
200	3	M	17.6	20.6	140	5.5	50.4	6.3									.79	.79	.77	.72	.80	.78	.73	.62
230			15.3	17.9	125	5.4	49.7	6.1																
460			7.6	8.9	62	5.4	49.3	6.0																
575			6.1	7.2	45	5.4	44.8	6.1																
7½	200	3	K	1.2	29	32.9	181	10.1	65.1	10.4	.78	.78	.76	.71	.76	.72	.66	.56						
	230				25.2	28.6	164	8.3	65.3	10.0														
	460				12.6	14.3	82	8.3	65.3	10.0														
	575				10.1	11.4	75	4.5	74.6	10.0														