

MODEL: S4H & S4HX—Solids Handling Sewage Pump

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°C)			
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	24VDC	115VAC	230VAC
	SENSOR	5AMPS	5AMPS	5AMPS
	SEAL FAIL	300VAC 5mA		
VOLTAGE TOLERANCE	±10%			

HP	VOLTAGE	PHASE	NEC CODE	SF	FULL LOAD AMPS	SF AMPS	LOCKD. 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	3	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
	460				6.8	7.7	40											
	575				3.4	3.8	20											
3	230	3	J	1.2	17.1	20	79	3.3	18.2	3.9	.67	.67	.65	.57	.88	.85	.80	.71
	200				10.9	12.8	64.5	3.1	22.3	3.8	.73	.72	.70	.64	.83	.82	.80	.72
	460				9.5	11.1	56											
	575				4.8	5.6	28											
5	230	3	J	1.2	29.5	34.2	125	5.7	28.8	6.8	.66	.66	.65	.60	.87	.84	.77	.64
	200				17.9	21.5	108	4.8	37.4	6.1	.79	.79	.77	.72	.80	.78	.73	.62
	460				15.6	18.7	94											
	575				7.8	9.4	47											
7½	230	3	K	1.2	29	32.9	194	7.2	67	10.1	.78	.78	.76	.71	.76	.72	.66	.56
	200				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											