

MODEL: S6A(X)P - Hydromatic® Premium Efficient (HPE) Submersible Solids Handling Pump

R.P.M.	870			
MOTOR TYPE	ENCLOSED, OIL COOLED INDUCTION, VFD SUITABLE			
MOTOR DESIGN NEMA TYPE	A (3ø)			
GENERAL INSULATION CLASS	H			
STATOR WINDING CLASS	H			
MAXIMUM STATOR TEMPERATURE RATING	356°F (180°)			
MOTOR PROTECTION	BI-METALLIC, TEMPERATURE SENSITIVE DISC, SIZED TO OPEN AT 130°C AND AUTOMATICALLY RESET @ 93–71°C DIFFERENTIAL, THREE IN SERIES			
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	LOCKD. RTR. AMPS	RUN KW	START KVA	RUN KVA	NEMA REQ. PREMIUM EFFICIENCY @ FL	MTR. EFF. 100% FL	MTR. EFF. 75% FL	MTR. EFF. 50% FL	MTR. EFF. @ SF	PWR. FACT. @ SF	PWR. FACT. 100% FL	PWR. FACT. 75% FL	PWR. FACT. 50% FL
5	208	3	H	1.3	21.9	25.0	121	7.2	48.1	7.9	NR	*87.5	*86	*84	*86	0.56	0.51	0.44	0.4
	230				19.8	22.6	121												
	460				9.9	11.3	60.5												
	575				7.9	9.0	49												
7.5	208	3	H	1.3	31.0	37.6	121	9.3	48.1	11.1	NR	*88.5	*87	*85	*87	0.63	0.58	0.52	0.44
	230				28	34	121												
	460				14	17	60.5												
	575				11.2	13.6	49												
10	208	3	G	1.3	39.8	47.5	213	11.4	84.8	14.3	NR	*89.5	*88	*86	*88	0.695	0.64	0.58	0.5
	230				36	43	213												
	460				18	21.5	106.5												
	575				14.4	17.2	87												
15	208	3	G	1.3	47.5	50.9	213	15.7	84.8	17.1	NR	*89.5	*88	*86	*88	0.74	0.72	0.67	0.58
	230				43	46	213												
	460				21.5	23	106.5												
	575				17.2	18.4	87												

*Motor Efficiency does not include seal and oil losses per IEC60034-30 5.1.3 Full Load Amps and Service Factor Amps do include these losses