

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

R.P.M.	1150			
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	LOCKED ROTOR 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
7.5	208	3	H	1.3	27.6	31.4	174	7.3	69.2	9.9	91	*91	*90	*89	*90	0.8	0.77	0.718	0.58
	230				25	28.4	174												
	460				12.5	14.2	87												
	575				10.0	11.4	69												
10	208	3	H	1.3	34.3	40.3	174	9.2	69.2	12.3	91	*91	*90	*89	*90	0.83	0.815	0.77	0.75
	230				31	36.4	174												
	460				15.5	18.2	87												
	575				12.4	14.6	69												
15	208	3	J	1.3	46.2	54.4	275	13.8	109.4	16.6	91.7	*91.7	*91.0	*89	*91.0	0.83	0.845	0.76	0.68
	230				41.8	49.2	275												
	460				20.9	24.6	137.5												
	575				16.7	19.7	115												
20	208	3	G	1.3	58.6	64.1	394	17.8	156.8	21.1	91.7	*91.7	*91.0	*89	*91.0	0.86	0.85	0.83	0.74
	230				53	58	394												
	460				26.5	29	197												
	575				21.2	23.2	163												
25	208	3	G	1.3	71.9	81.8	394	21.7	156.8	25.9	93	*93	*92.5	*90	*92.5	0.84	0.86	0.85	0.79
	230				65	74	394												
	460				32.5	37	197												
	575				26.0	29.6	163												

\*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