

MODEL: S4HV(X)P - Hydromatic® Premium Efficient (HPE) Submersible Solids Handling Pump

R.P.M.	3450			
MOTOR TYPE	ENCLOSED, OIL COOLED INDUCTION, VFD SUITABLE			
MOTOR DESIGN NEMA TYPE	A or B (3ø) EXCEEDS L (1ø)			
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 @ 82°C DIFFERENTIAL, ONE IN SINGLE PHASE, THREE 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	LOCK 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
7.5	208	3	K	1.3	26.5	30.5	186	8.2	66.8	9.5	89.5	*89.5	*89.5	*88	*90	0.87	0.86	0.8	0.7
	230				24	27.6	168												
	460				12	13.8	84												
	575				9.6	11	67												
10	208	3	K	1.3	32	35.4	365	9.6	131.3	11.5	90.2	*90.2	*90.2	*89.6	*91	0.87	0.832	0.773	0.662
	230				29	32	330												
	460				14.5	16	165												
	575				11.6	12.8	135												
15	208	3	K	1.3	44.2	57.5	365	14.1	131.3	15.9	91	*91	*91	*91	*90.4	0.904	0.886	0.854	0.777
	230				40	52	330												
	460				20	26	165												
	575				16	20.8	135												

*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