

Electrical Data – S4M(X)P/S4MV(X)P/S4P(X)P

MODEL: S4M(X)P/S4MV(X)P/S4P(X)P - Hydromatic® Premium Efficient (HPE) Submersible Solids Handling Pump

R.P.M.	1750			
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	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
5	230	1	N	1.3	22	27	263	4.8	60.5	5.1	NR	*87.9	*85.4	*79.8	*88	0.955	0.94	0.92	0.87
	208				17.7	19.9	175												
5	230	3	P	1.3	16	18	158	4.5	62.9	6.4	89.5	*89.5	*89.5	*87	*90	0.81	0.7	0.6	0.54
	460				8	9	79												
	575				6.4	7.2	65												
7.5	230	1	K	1.3	35	43	263	7.7	60.5	8.1	NR	*88.4	*87.9	*73.6	*79	0.98	0.96	0.95	0.92
7.5	208	3	K	1.3	24.3	28.8	175	7.0	62.9	8.8	91.7	*91.7	*91.7	*90	*91.2	0.87	0.8	0.78	0.7
	230				22	26	158												
	460				11	13	79												
	575				8.8	10.4	65												
10	208	3	P	1.3	33.9	39.9	353	8.4	127.3	11.1	91.7	*91.7	*91.7	*90.2	*92	0.807	0.755	0.676	0.547
	230				29.4	34.7	320												
	460				14.7	17.3	160												
	575				11.8	13.9	120												
15	208	3	K	1.3	46.4	55.3	353	13.9	127.3	16.7	92.4	*92.4	*92.4	*92.3	*91.5	0.86	0.833	0.784	0.677
	230				42	50	320												
	460				21	25	160												
	575				16.8	20	120												

*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