

Electrical Data – S4T(X)P, S8L(X)P, S8LA(X)P AND S12L(X)P

MODELS: S4T(X)P, S8L(X)P, S8LA(X)P AND S12L(X)P - Hydromatic® Premium Efficient (HPE) Submersible Solids Handling Pump

RPM	1750			
MOTOR TYPE	ENCLOSED, OIL COOLED INDUCTION, VFD SUITABLE			
MOTOR DESIGN TYPE	A (3 ϕ)			
GENERAL INSULATION CLASS	H			
STATOR WINDING CLASS	H			
MAXIMUM STATOR TEMPERATURE	356°F (180°)			
MOTOR PROTECTION	BI-METALLIC, TEMPERATURE SENSITIVE DISC, SIZED TO OPEN AT 150°C AND AUTOMATICALLY RESET @ 117–89°C DIFFERENTIAL, THREE IN THREE PHASE			
ELECTRICAL RATINGS	HEAT	24 VDC	115 VAC	230 VAC
	SENSOR	5 AMPS	5 AMPS	5 AMPS
	SEAL FAILURE	300 VAC 5 Ma		
VOLTAGE TOLERANCE	±10%			

HP	VOLTAGE	PHASE	NEMA CODE	SF	NAME PLATE AMPS	SF AMPS	LOCK ROTOR AMPS	RUN KW	START KVA	RUN KVA	NEMA REQ. PREMIUM EFFICIENCY AT FL	*MOTOR EFF AT SF	*MOTOR EFF AT FL	*MOTOR EFF AT 75% FL	*MOTOR EFF AT 50% FL	POWER FACTOR AT SF	POWER FACTOR AT FL	POWER FACTOR AT 75% FL	POWER FACTOR AT 50% FL
75	460	3	G	1.3	96	120	570	67.8	453.6	76.4	95.4	94	95.4	94	93	0.88	0.887	0.886	0.84
	575				76.8	96.0	456												
100	460	3	H	1.3	125	155	826	88.1	657.5	99.5	95.4	94	95.4	94	93	0.884	0.886	0.877	0.845
	575				100.0	124.0	661												
125	460	3	J	1.3	152	190	1137	107.4	846.5	121.4	95.4	94.1	95.4	94.1	93.9	0.882	0.885	0.87	0.82
	575				122.0	152.0	851												
150	460	3	K	1.3	185	230	1521	128.8	1159.9	147.2	95.8	94.2	95.8	94.2	93.9	0.878	0.875	0.86	0.82
	575				148.0	184.0	1166												

*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