

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

Electrical Data – S8L(X)P AND S12L(X)P

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

RPM	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	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
40	460	3	K	1.3	54	63	420	36.5	349.2	43.0	94.1	93	94.1	93	91.5	0.865	0.85	0.84	0.83
	575				43.2	50.4	351												
50	460	3	H	1.3	64.0	79.0	420	44.1	349.2	50.9	94.1	93.1	94.1	93	91.6	0.865	0.865	0.85	0.84
	575				51.2	63.2	351												
60	460	3	H	1.3	78.0	95.0	503	54.0	426.7	62.1	94.5	93.2	94.5	93.2	91.8	0.875	0.87	0.86	0.85
	575				62.4	76.0	429												
75	460	3	F	1.3	94	115	503	65.5	426.7	74.8	94.5	93.4	94.5	93.2	91.9	0.88	0.875	0.87	0.86
	575				75.2	92.0	429												

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

RPM	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	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
20	208	3	J	1.3	75.0	92.0	413.5	19.4	148.8	27.0	NR	90.2	89	86	84	0.77	0.72	0.67	0.65
	230				67.8	83.2	374												
	460				33.9	41.6	187												
	575				27.1	33.3	147												
25	208	3	G	1.3	91.0	120.0	413.5	25.2	148.8	32.7	NR	89	90.2	89	86	0.79	0.77	0.72	0.67
	230				82.3	108.5	374												
	460				41.2	54.2	187												
	575				32.9	43.4	147												
30	230	3	L	1.3	116.0	132.0	700	37.8	278.5	46.2	NR	89.5	91.7	89.5	86	0.85	0.82	0.76	0.69
	460				58.0	66.0	350												
	575				46.4	52.8	263												
40	460	3	H	1.3	61	84.5	350	39.8	278.5	48.5	NR	89.5	91.7	89.5	86	0.85	0.82	0.76	0.69
	575				48.8	67.6	263												

*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