

## MODEL: S8F(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 (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
20	208	3	H	1.3	60.2	72.1	402	18.1	160.0	21.6	93	*93	*92	*90	*92	0.85	0.833	0.8	0.74
	230				54.4	65.2	402												
	460				27.2	32.6	201												
	575				21.8	26.1	157												
25	208	3	H	1.3	75.2	88.5	402	23.5	160.0	27.1	93.6	*93.6	*92	*90	*92	0.85	0.854	0.82	0.78
	230				68	80	402												
	460				34	40	201												
	575				27.2	32.0	157												
30	230	3	G	1.3	80.2	96.2	434	26.6	172.7	31.9	93.6	*93.6	*92	*90	*92	0.836	0.856	0.851	0.82
	460				40.1	48.1	217												
	575				32.1	38.5	178												
40	460	3	H	1.3	54.7	63.7	345	34.5	274.6	43.5	94.1	*94.1	*93	*91	*93	0.842	0.842	0.82	0.75
	575				43.8	51.0	265												
50	460	3	G	1.3	70.5	98.5	387	43.0	308.0	56.1	94.5	*94.5	*93	*91	*93	0.874	0.877	0.865	0.82
	575				56.4	78.8	310												

\*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