

MODEL: S3R & S3RX — Recessed Impeller Sewage Pumps

R.P.M.	3450			
MOTOR TYPE	ENCLOSED, OIL COOLED INDUCTION, VFD SUITABLE			
MOTOR DESIGN NEMA TYPE	B (3Ø) L (1Ø)			
GENERAL INSULATION CLASS	F			
STATOR WINDING CLASS	F			
MAXIMUM STATOR TEMPERATURE	311°F (155°C)			
MOTOR PROTECTION	BI-METALLIC, TEMPERATURE SENSITIVE DISC, SIZED TO OPEN AT 120°C AND AUTOMATICALLY RESET @ 90–65°C DIFFERENTIAL, ONE IN SINGLE PHASE, TWO 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	MTR. EFF. @ SF	MTR. EFF. 100% FL	MTR. EFF. 75% FL	MTR. EFF. 50% FL	PWR. FACT. @ SF	PWR. FACT. 100% FL	PWR. FACT. 75% FL	PWR. FACT. 50% FL
5	200	1	F	1.2	33.9	40.7	144	5.5	28.8	6.0	.65	.68	.68	.64	.91	.92	.92	.92
	230				29.5	35.5	125											
5	200	3	G	1.2	17.9	21.5	83.0	5.4	28.7	6.2	.69	.70	.68	.63	.87	.87	.86	.84
	230				15.6	18.7	72.0											
	460				7.8	9.4	36.0											
	575				6.2	7.5	28.8											
7.5	200	3	H	1.2	24.8	29.7	149.5	7.4	51.8	8.6	.71	.74	.76	.60	.87	.87	.85	.80
	230				21.5	25.8	130											
	460				10.8	12.9	65											
	575				8.6	10.3	52											

MODEL: S3R & S3RX — Recessed Impeller Sewage Pumps

R.P.M.	1750			
MOTOR TYPE	ENCLOSED, OIL COOLED INDUCTION, VFD SUITABLE			
MOTOR DESIGN NEMA TYPE	B (3Ø) L (1Ø)			
GENERAL INSULATION CLASS	F			
STATOR WINDING CLASS	F			
MAXIMUM STATOR TEMPERATURE	311°F (155°)			
MOTOR PROTECTION	BI-METALLIC, TEMPERATURE SENSITIVE DISC, SIZED TO OPEN AT 120°C AND AUTOMATICALLY RESET @ 90–65°C DIFFERENTIAL, ONE IN SINGLE PHASE, TWO 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	LCKD. RTR. AMPS	RUN KW	START KVA	RUN KVA	MTR. EFF. @ SF	MTR. EFF. 100% FL	MTR. EFF. 75% FL	MTR. EFF. 50% FL	PWR. FACT. @ SF	PWR. FACT. 100% FL	PWR. FACT. 75% FL	PWR. FACT. 50% FL
2	230	1	J	1.2	12.8	14.8	62	2.4	14.3	2.9	.63	.63	.60	.54	.84	.81	.75	.66
	200				7.8	8.8	46											
2	230	3	J	1.2	6.8	7.7	40	2.1	15.9	2.7	.74	.73	.70	.63	.79	.76	.70	.59
	460				3.4	3.8	20											
	575				2.7	3.1	16											
3	230	1	G	1.2	17.1	20	79	3.3	18.2	3.9	.67	.67	.65	.57	.88	.85	.80	.71
	200				10.9	12.8	64.5											
3	230	3	J	1.2	9.5	11.1	56	3.1	22.3	3.8	.73	.72	.70	.64	.83	.82	.80	.72
	460				4.8	5.6	28											
	575				3.8	4.5	22.5											
5	230	1	G	1.2	29.5	34.2	125	5.7	28.8	6.8	.66	.66	.65	.60	.87	.84	.77	.64
	200				17.9	21.5	108											
5	230	3	J	1.2	15.6	18.7	94	4.8	37.4	6.1	.79	.79	.77	.72	.80	.78	.73	.62
	460				7.8	9.4	47											
	575				6.2	7.5	37.6											