

**Sunpumps High Pressure Plunger Pump
Model SIJ 3.4-160P-45 BL**



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PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array Watts *	System Efficiency
0	0	0	24	5.88	2.18	8.2	141	177	0%
10	23	7	24	6.34	2.15	8.2	152	190	6%
20	46	14	24	6.80	2.13	8.1	163	204	11%
30	69	21	24	7.26	2.11	8.0	174	218	16%
40	92	28	24	7.72	2.09	7.9	185	232	20%
50	116	35	24	8.17	2.06	7.8	196	245	23%
60	139	42	24	8.60	2.04	7.7	206	258	26%
70	162	49	24	9.11	2.02	7.6	219	273	28%
80	185	56	24	9.56	2.00	7.6	229	287	30%
90	208	63	24	10.01	1.98	7.5	240	300	32%
100	231	70	24	10.42	1.96	7.4	250	313	34%
110	254	77	24	10.88	1.94	7.3	261	326	36%
120	277	85	24	11.38	1.92	7.3	273	341	37%
130	300	92	24	11.85	1.90	7.2	284	356	38%
140	323	99	24	12.27	1.87	7.1	294	368	39%
150	347	106	24	12.74	1.85	7.0	306	382	40%
160	370	113	24	13.22	1.83	6.9	317	397	40%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array Watts *	System Efficiency
0	0	0	30	6.20	2.62	9.9	186	233	0%
10	23	7	30	6.65	2.60	9.9	200	249	6%
20	46	14	30	7.10	2.58	9.8	213	266	11%
30	69	21	30	7.56	2.56	9.7	227	283	15%
40	92	28	30	8.01	2.54	9.6	240	300	18%
50	116	35	30	8.46	2.51	9.5	254	317	22%
60	139	42	30	8.86	2.49	9.4	266	332	24%
70	162	49	30	9.32	2.47	9.4	280	350	27%
80	185	56	30	9.80	2.45	9.3	294	368	29%
90	208	63	30	10.30	2.43	9.2	309	386	31%
100	231	70	30	10.79	2.41	9.1	324	405	32%
110	254	77	30	11.23	2.39	9.0	337	421	34%
120	277	85	30	11.65	2.37	9.0	350	437	35%
130	300	92	30	12.08	2.35	8.9	362	453	37%
140	323	99	30	12.49	2.33	8.8	375	468	38%
150	347	106	30	12.92	2.30	8.7	388	485	39%
160	370	113	30	13.41	2.27	8.6	402	503	39%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array Watts *	System Efficiency
0	0	0	45	7.93	3.75	14.2	357	446	0%
10	23	7	45	8.35	3.73	14.1	376	470	4%
20	46	14	45	8.77	3.71	14.0	395	493	8%
30	69	21	45	9.19	3.69	14.0	414	517	12%
40	92	28	45	9.61	3.67	13.9	432	541	15%
50	116	35	45	10.03	3.65	13.8	451	564	18%
60	139	42	45	10.45	3.63	13.7	470	588	20%
70	162	49	45	10.87	3.61	13.7	489	612	22%
80	185	56	45	11.29	3.59	13.6	508	635	25%
90	208	63	45	11.72	3.57	13.5	527	659	26%
100	231	70	45	12.14	3.54	13.4	546	683	28%
110	254	77	45	12.56	3.52	13.3	565	706	30%
120	277	85	45	12.98	3.50	13.3	584	730	31%
130	300	92	45	13.47	3.48	13.2	606	758	32%
140	323	99	45	13.80	3.46	13.1	621	776	34%
150	347	106	45	14.16	3.43	13.0	637	797	35%
160	370	113	45	14.65	3.42	12.9	659	824	36%

* Solar array watts using a 20% deration factor.