

**Sunpumps High Pressure Plunger Pump  
Model SIJ 2.6-450P-90 BT**



# *SunPumps High Pressure Plunger Pump*

## Model SIJ 2.6-450P-90 BT

1 HP Motor

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array Watts *	System Efficiency
0	0	0	45	2.21	1.41	5.3	99	124	0%
50	116	35	45	3.11	1.40	5.3	140	175	22%
100	231	70	45	4.01	1.38	5.2	180	226	33%
150	347	106	45	4.81	1.37	5.2	216	271	41%
200	462	141	45	5.59	1.36	5.1	252	314	47%
250	578	176	45	6.35	1.35	5.1	286	357	51%
300	693	211	45	7.08	1.34	5.1	319	398	55%
350	809	246	45	7.84	1.32	5.0	353	441	57%
400	924	282	45	8.55	1.31	4.9	385	481	59%
450	1040	317	45	9.29	1.30	4.9	418	523	61%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array Watts *	System Efficiency
0	0	0	60	2.39	1.90	7.2	143	179	0%
50	116	35	60	3.24	1.89	7.1	194	243	21%
100	231	70	60	4.09	1.87	7.1	245	307	33%
150	347	106	60	4.89	1.86	7.0	293	367	41%
200	462	141	60	5.64	1.85	7.0	338	423	47%
250	578	176	60	6.37	1.83	6.9	382	478	52%
300	693	211	60	7.14	1.82	6.9	428	536	56%
350	809	246	60	7.87	1.82	6.9	472	590	59%
400	924	282	60	8.60	1.80	6.8	516	645	61%
450	1040	317	60	9.31	1.80	6.8	559	698	63%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array Watts *	System Efficiency
0	0	0	75	2.70	2.31	8.7	203	253	0%
50	116	35	75	3.49	2.30	8.7	262	327	19%
100	231	70	75	4.29	2.29	8.6	322	402	31%
150	347	106	75	5.07	2.28	8.6	380	475	39%
200	462	141	75	5.82	2.26	8.6	437	546	45%
250	578	176	75	6.53	2.25	8.5	490	612	50%
300	693	211	75	7.29	2.24	8.5	547	683	53%
350	809	246	75	7.94	2.22	8.4	596	744	57%
400	924	282	75	8.67	2.21	8.4	650	813	59%
450	1040	317	75	9.40	2.20	8.3	705	881	61%

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Solar Array Watts *	System Efficiency
0	0	0	90	3.18	2.67	10.1	286	358	0%
50	116	35	90	3.88	2.66	10.1	349	437	17%
100	231	70	90	4.58	2.65	10.0	412	515	28%
150	347	106	90	5.28	2.64	10.0	475	594	36%
200	462	141	90	6.01	2.63	9.9	541	676	42%
250	578	176	90	6.75	2.62	9.9	608	759	47%
300	693	211	90	7.41	2.60	9.9	667	834	51%
350	809	246	90	8.11	2.59	9.8	730	912	54%
400	924	282	90	8.83	2.58	9.8	795	993	57%
450	1040	317	90	9.58	2.57	9.7	862	1078	58%

\* Solar array watts using a 20% deration factor.