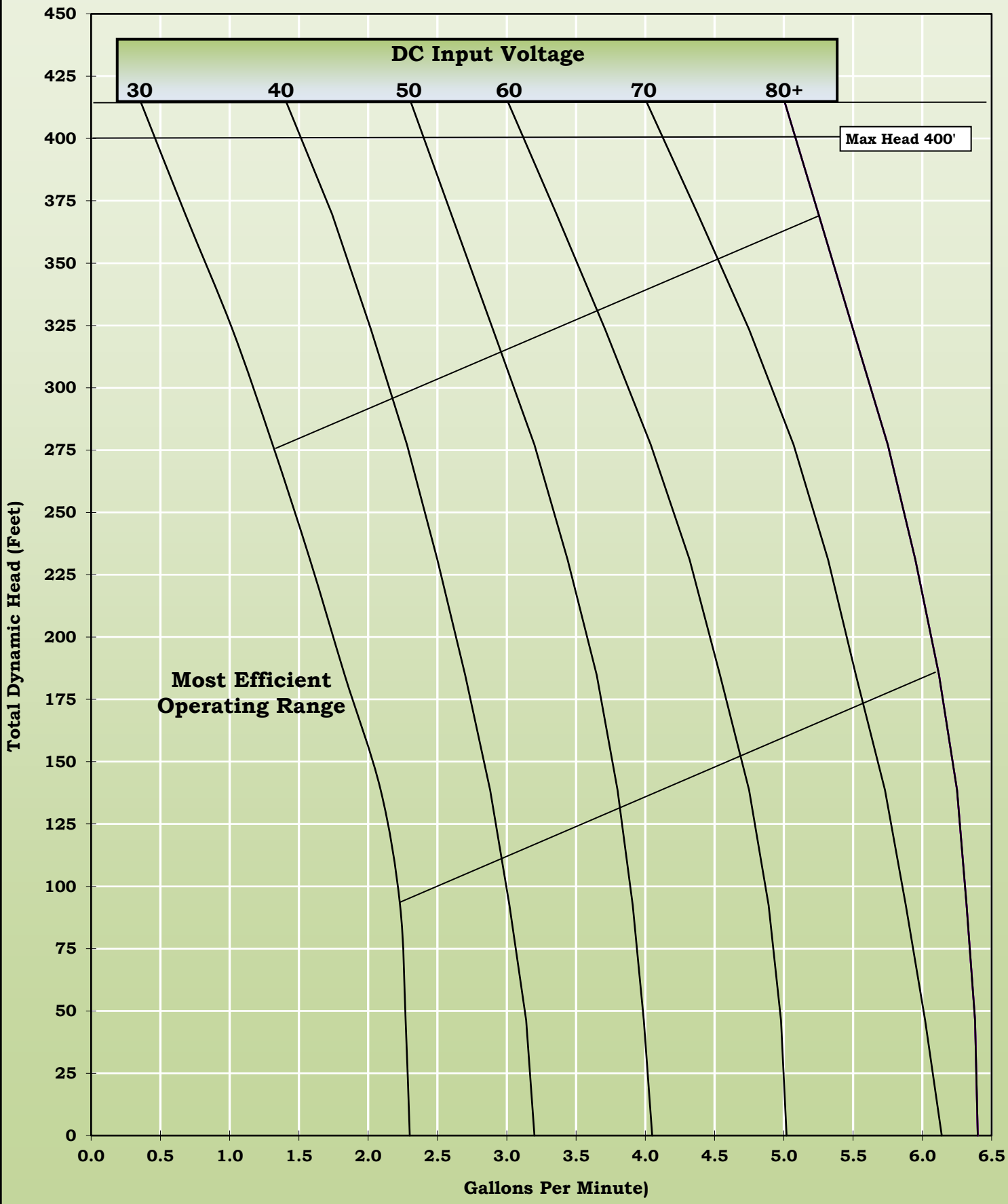


SunPumps Helical Rotor Submersible Model HR 5-400 DC



**SunPumps Helical Rotor Submersible
Model HR 5-400 DC**

PSI	TDH Feet	TDH Meters	Motor Volts	Motor Amps	U.S. GPM	LPM	Motor Watts	Array *Watts	Pump Effic.
0	0	0.0	100	2.02	6.40	24.2	202	253	0%
20	46	14.1	100	2.63	6.38	24.1	263	329	21%
40	92	28.2	100	3.23	6.32	23.9	323	404	34%
60	139	42.3	100	3.80	6.25	23.7	380	475	43%
80	185	56.3	100	4.42	6.12	23.2	442	553	48%
100	231	70.4	100	5.07	5.95	22.5	507	634	51%
120	277	84.5	100	5.72	5.75	21.8	572	715	52%
140	323	98.6	100	6.38	5.50	20.8	638	798	53%
160	370	112.7	100	7.04	5.25	19.9	704	880	52%
180	416	126.8	100	7.78	5.00	18.9	778	973	50%

* Array Watts using a 20% deration factor.

PSI	TDH Feet	TDH Meters	Motor Volts	Motor Amps	U.S. GPM	LPM	Motor Watts	Array *Watts	Pump Effic.
0	0	0.0	90	2.28	6.40	24.2	205	257	0%
20	46	14.1	90	2.99	6.38	24.1	269	336	21%
40	92	28.2	90	3.66	6.32	23.9	329	412	33%
60	139	42.3	90	4.34	6.25	23.7	391	488	42%
80	185	56.3	90	5.03	6.12	23.2	453	566	47%
100	231	70.4	90	5.72	5.95	22.5	515	644	50%
120	277	84.5	90	6.41	5.75	21.8	577	721	52%
140	323	98.6	90	7.16	5.50	20.8	644	806	52%
160	370	112.7	90	7.92	5.25	19.9	713	891	51%
180	416	126.8	90	8.68	5.00	18.9	781	977	50%

* Array Watts using a 20% deration factor.

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Array *Watts	Pump Effic.
0	0	0.0	80	2.48	6.40	24.2	198	248	0%
20	46	14.1	80	3.30	6.38	24.1	264	330	21%
40	92	28.2	80	4.06	6.32	23.9	325	406	34%
60	139	42.3	80	4.83	6.25	23.7	386	483	42%
80	185	56.3	80	5.60	6.12	23.2	448	560	48%
100	231	70.4	80	6.38	5.95	22.5	510	638	51%
120	277	84.5	80	7.18	5.75	21.8	574	718	52%
140	323	98.6	80	8.00	5.50	20.8	640	800	52%
160	370	112.7	80	8.87	5.25	19.9	710	887	52%
180	416	126.8	80	9.70	5.00	18.9	776	970	50%

* Array Watts using a 20% deration factor.

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Array *Watts	Pump Effic.
0	0	0.0	70	2.56	6.14	23.2	179	224	0%
20	46	14.1	70	3.46	6.02	22.8	242	303	22%
40	92	28.2	70	4.23	5.88	22.3	296	370	35%
60	139	42.3	70	5.00	5.73	21.7	350	438	43%
80	185	56.3	70	5.75	5.52	20.9	403	503	48%
100	231	70.4	70	6.50	5.32	20.1	455	569	51%
120	277	84.5	70	7.25	5.07	19.2	508	634	52%
140	323	98.6	70	8.00	4.75	18.0	560	700	52%
160	370	112.7	70	8.74	4.38	16.6	612	765	50%
180	416	126.8	70	9.44	4.00	15.1	661	826	47%

* Array Watts using a 20% deration factor.

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Array *Watts	Pump Effic.
0	0	0.0	60	2.26	5.02	19.0	136	170	0%
20	46	14.1	60	3.13	4.98	18.8	188	235	23%
40	92	28.2	60	3.90	4.89	18.5	234	293	36%
60	139	42.3	60	4.66	4.75	18.0	280	350	44%
80	185	56.3	60	5.42	4.54	17.2	325	407	49%
100	231	70.4	60	6.18	4.32	16.4	371	464	51%
120	277	84.5	60	6.92	4.04	15.3	415	519	51%
140	323	98.6	60	7.67	3.71	14.0	460	575	49%
160	370	112.7	60	8.41	3.36	12.7	505	631	46%
180	416	126.8	60	9.12	3.00	11.4	547	684	43%

* Array Watts using a 20% deration factor.

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Array *Watts	Pump Effic.
0	0	0.0	50	2.00	4.05	15.3	100	125	0%
20	46	14.1	50	2.81	3.99	15.1	141	176	25%
40	92	28.2	50	3.57	3.91	14.8	179	223	38%
60	139	42.3	50	4.30	3.80	14.4	215	269	46%
80	185	56.3	50	5.08	3.65	13.8	254	318	50%
100	231	70.4	50	5.82	3.44	13.0	291	364	51%
120	277	84.5	50	6.57	3.20	12.1	329	411	51%
140	323	98.6	50	7.33	2.90	11.0	367	458	48%
160	370	112.7	50	8.06	2.60	9.8	403	504	45%
180	416	126.8	50	8.77	2.30	8.7	439	548	41%

* Array Watts using a 20% deration factor.

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Array *Watts	Pmp Effic.
0	0	0.0	40	1.65	3.20	12.1	66	83	0%
20	46	14.1	40	2.46	3.14	11.9	98	123	28%
40	92	28.2	40	3.22	3.02	11.4	129	161	41%
60	139	42.3	40	3.97	2.88	10.9	159	199	47%
80	185	56.3	40	4.72	2.70	10.2	189	236	50%
100	231	70.4	40	5.49	2.50	9.5	220	275	50%
120	277	84.5	40	6.24	2.28	8.6	250	312	48%
140	323	98.6	40	6.98	2.02	7.6	279	349	44%
160	370	112.7	40	7.77	1.74	6.6	311	389	39%
180	416	126.8	40	8.50	1.40	5.3	340	425	32%

* Array Watts using a 20% deration factor.

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Array *Watts	Pump Effic.
0	0	0.0	30	1.45	2.30	8.7	44	54	0%
20	46	14.1	30	2.28	2.27	8.6	68	86	29%
40	92	28.2	30	3.03	2.23	8.4	91	114	43%
60	139	42.3	30	3.77	2.09	7.9	113	141	48%
80	185	56.3	30	4.53	1.83	6.9	136	170	47%
100	231	70.4	30	5.25	1.58	6.0	158	197	44%
120	277	84.5	30	6.03	1.31	5.0	181	226	38%
140	323	98.6	30	6.78	1.02	3.9	203	254	31%
160	370	112.7	30	7.58	0.68	2.6	227	284	21%
180	416	126.8	30	8.31	0.35	1.3	249	312	11%

* Array Watts using a 20% deration factor.