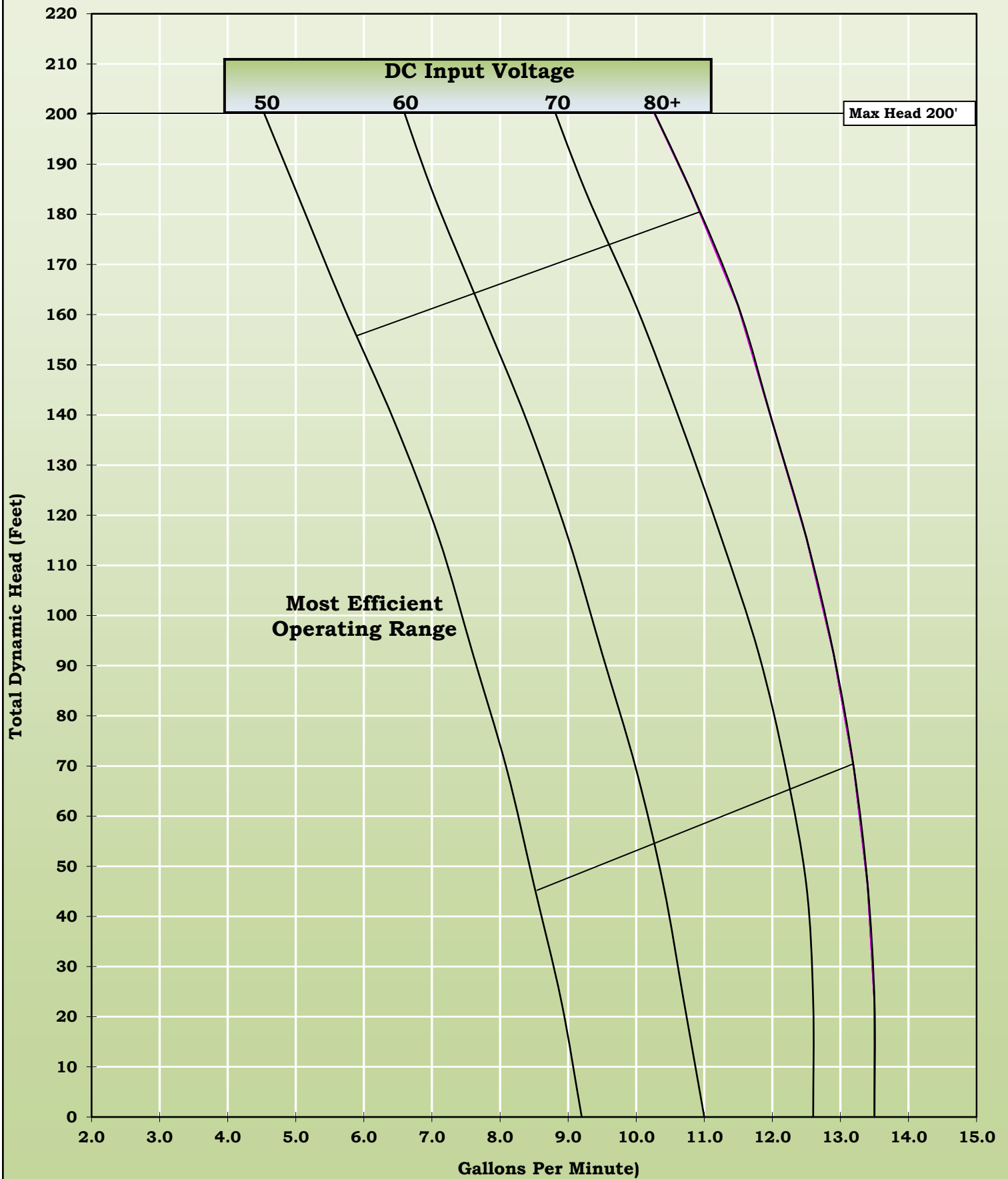


SunPumps Helical Rotor Submersible Model HR 12-200 DC



**SunPumps Helical Rotor Submersible
Model HR 12-200 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	2.50	13.50	51.1	250	313	0%
10	23	7.0	100	3.00	13.50	51.1	300	375	20%
20	46	14.1	100	3.60	13.40	50.7	360	450	32%
30	69	21.1	100	4.20	13.20	50.0	420	525	41%
40	92	28.2	100	4.80	12.90	48.8	480	600	47%
50	116	35.2	100	5.50	12.50	47.3	550	688	49%
60	139	42.3	100	6.10	12.00	45.4	610	763	51%
70	162	49.3	100	6.80	11.50	43.5	680	850	52%
80	185	56.3	100	7.40	10.80	40.9	740	925	51%
90	208	63.4	100	8.00	10.00	37.9	800	1000	49%

* 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	2.60	13.50	51.1	234	293	0%
10	23	7.0	90	3.20	13.50	51.1	288	360	20%
20	46	14.1	90	3.80	13.40	50.7	342	428	34%
30	69	21.1	90	4.50	13.20	50.0	405	506	43%
40	92	28.2	90	5.30	12.90	48.8	477	596	47%
50	116	35.2	90	6.00	12.50	47.3	540	675	50%
60	139	42.3	90	6.70	12.00	45.4	603	754	52%
70	162	49.3	90	7.50	11.50	43.5	675	844	52%
80	185	56.3	90	8.20	10.80	40.9	738	923	51%
90	208	63.4	90	8.80	10.00	37.9	792	990	49%

* 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	2.90	13.50	51.1	232	290	0%
10	23	7.0	80	3.50	13.50	51.1	280	350	21%
20	46	14.1	80	4.30	13.40	50.7	344	430	34%
30	69	21.1	80	5.00	13.20	50.0	400	500	43%
40	92	28.2	80	5.80	12.90	48.8	464	580	48%
50	116	35.2	80	6.70	12.50	47.3	536	670	51%
60	139	42.3	80	7.50	12.00	45.4	600	750	52%
70	162	49.3	80	8.40	11.50	43.5	672	840	52%
80	185	56.3	80	9.10	10.80	40.9	728	910	52%
90	208	63.4	80	9.90	10.00	37.9	792	990	49%

* 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	3.00	12.60	47.7	210	263	0%
10	23	7.0	70	3.70	12.60	47.7	259	324	21%
20	46	14.1	70	4.50	12.50	47.3	315	394	35%
30	69	21.1	70	5.20	12.20	46.2	364	455	44%
40	92	28.2	70	6.00	11.80	44.7	420	525	49%
50	116	35.2	70	6.80	11.25	42.6	476	595	51%
60	139	42.3	70	7.60	10.65	40.3	532	665	52%
70	162	49.3	70	8.30	10.00	37.9	581	726	52%
80	185	56.3	70	9.00	9.25	35.0	630	788	51%
90	208	63.4	70	9.70	8.60	32.6	679	849	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	60	2.50	11.00	41.6	150	188	0%
10	23	7.0	60	3.30	10.70	40.5	198	248	24%
20	46	14.1	60	4.00	10.40	39.4	240	300	38%
30	69	21.1	60	4.80	10.00	37.9	288	360	45%
40	92	28.2	60	5.60	9.50	36.0	336	420	49%
50	116	35.2	60	6.40	9.00	34.1	384	480	51%
60	139	42.3	60	7.00	8.40	31.8	420	525	52%
70	162	49.3	60	7.80	7.70	29.1	468	585	50%
80	185	56.3	60	8.50	7.00	26.5	510	638	48%
90	208	63.4	60	9.20	6.40	24.2	552	690	45%

* 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	9.20	34.8	100	125	0%
10	23	7.0	50	2.90	8.90	33.7	145	181	27%
20	46	14.1	50	3.60	8.50	32.2	180	225	41%
30	69	21.1	50	4.40	8.10	30.7	220	275	48%
40	92	28.2	50	5.20	7.60	28.8	260	325	51%
50	116	35.2	50	6.00	7.10	26.9	300	375	51%
60	139	42.3	50	6.70	6.45	24.4	335	419	50%
70	162	49.3	50	7.50	5.70	21.6	375	469	46%
80	185	56.3	50	8.20	5.00	18.9	410	513	42%
90	208	63.4	50	8.90	4.30	16.3	445	556	38%

* Array Watts using a 20% deration factor.