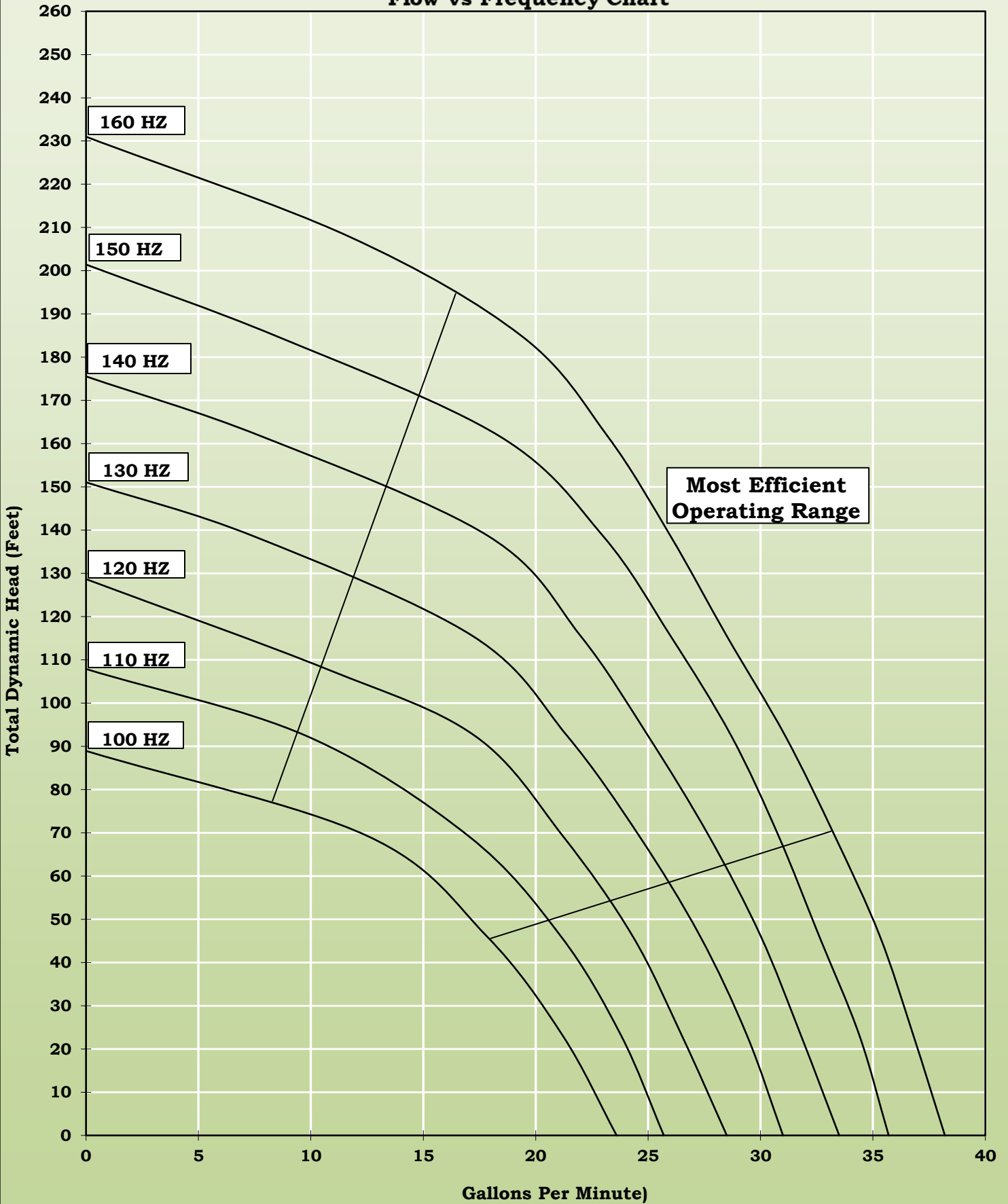


SunPumps Centrifugal Submersible Model HS 22-154 AC/DC

Flow vs Frequency Chart



SunPumps Centrifugal Submersible Model HS 22-154 AC/DC

160 HZ

PSI	TDH Feet	TDH Meters	Motor Volts	Motor Amps	U.S. GPM	LPM	Motor Watts	Array *Watts	Pump Effic.
0	0	0.0	260	6.49	38.2	144.6	1687	2109	0%
10	23	7.0	260	6.82	36.8	139.3	1773	2217	9%
20	46	14.1	260	7.00	35.3	133.6	1820	2275	17%
30	69	21.1	260	7.00	33.3	126.0	1820	2275	24%
40	92	28.2	260	7.00	31.1	117.7	1820	2275	30%
50	116	35.2	260	7.00	28.5	107.9	1820	2275	34%
60	139	42.3	260	7.00	26.0	98.4	1820	2275	37%
70	162	49.3	260	7.00	23.2	87.8	1820	2275	39%
80	185	56.3	260	6.75	19.4	73.4	1755	2194	38%
90	208	63.4	260	5.50	11.7	44.3	1430	1788	32%
100	231	70.4	260	3.22	0.0	0.0	837	1047	0%

* Array Watts using a 20% deration factor.

150 HZ

PSI	TDH Feet	TDH Meters	Motor Volts	Motor Amps	U.S. GPM	LPM	Motor Watts	Array *Watts	Pump Effic.
0	0	0.0	260	5.52	35.70	135.1	1435	1794	0%
10	23	7.0	260	5.71	34.40	130.2	1485	1856	10%
20	46	14.1	260	5.82	32.60	123.4	1513	1892	19%
30	69	21.1	260	6.03	30.80	116.6	1568	1960	26%
40	92	28.2	260	6.16	28.70	108.6	1602	2002	31%
50	116	35.2	260	6.15	26.00	98.4	1599	1999	35%
60	139	42.3	260	6.13	23.00	87.1	1594	1992	38%
70	162	49.3	260	5.79	18.40	69.6	1505	1882	37%
80	185	56.3	260	4.18	8.50	32.2	1087	1359	27%
87.2	201	61.4	260	2.72	0.00	0.0	707	884	0%

* Array Watts using a 20% deration factor.

140 HZ

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Array *Watts	Pump Effic.
0	0	0.0	260	4.62	33.50	126.8	1201	1502	0%
10	23	7.0	260	4.76	31.80	120.4	1238	1547	11%
20	46	14.1	260	4.88	30.00	113.6	1269	1586	21%
30	69	21.1	260	5.05	27.70	104.8	1313	1641	28%
40	92	28.2	260	5.10	25.00	94.6	1326	1658	33%
50	116	35.2	260	5.09	22.00	83.3	1323	1654	36%
60	139	42.3	260	4.85	17.90	67.8	1261	1576	37%
70	162	49.3	260	3.45	7.80	29.5	897	1121	26%
76	176	53.5	260	2.34	0.00	0.0	608	761	0%

* Array Watts using a 20% deration factor.

130 HZ

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Array *Watts	Pump Effic.
0	0	0.0	260	2.79	31.00	117.3	725	907	0%
10	23	7.0	260	3.92	29.40	111.3	1019	1274	13%
20	46	14.1	260	4.07	27.30	103.3	1058	1323	22%
30	69	21.1	260	4.16	24.60	93.1	1082	1352	30%
40	92	28.2	260	4.17	21.40	81.0	1084	1355	34%
50	116	35.2	260	4.05	17.20	65.1	1053	1316	36%
60	139	42.3	260	2.92	7.45	28.2	759	949	26%
65.4	151	46.1	260	2.04	0.00	0.0	530	663	0%

* Array Watts using a 20% deration factor.

120 HZ

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Array *Watts	Pump Effic.
0	0	0.0	260	3.08	28.50	107.9	801	1001	0%
10	23	7.0	260	3.19	26.50	100.3	829	1037	14%
20	46	14.1	260	3.33	24.30	92.0	866	1082	24%
30	69	21.1	260	3.40	21.20	80.2	884	1105	31%
40	92	28.2	260	3.35	17.30	65.5	871	1089	35%
46.7	108	32.9	260	2.66	10.70	40.5	692	865	31%
55.7	129	39.2	260	1.79	0.00	0.0	465	582	0%

* Array Watts using a 20% deration factor.

110 HZ

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Array *Watts	Pump Effic.
0	0	0.0	260	2.46	25.70	97.3	640	800	0%
10	23	7.0	260	2.54	23.80	90.1	660	826	16%
20	46	14.1	260	2.68	21.10	79.9	697	871	26%
30	69	21.1	260	2.70	17.00	64.3	702	878	32%
40	92	28.2	260	2.38	9.80	37.1	619	774	28%
46.7	108	32.9	260	1.56	0.00	0.0	406	507	0%

* Array Watts using a 20% deration factor.

100 HZ

PSI	TDH Feet	TDH Meters	Motor Voltage	Motor Amps	U.S. GPM	LPM	Motor Watts	Array *Watts	Pump Effic.
0	0	0.0	260	1.96	23.60	89.3	510	637	0%
10	23	7.0	260	2.03	21.20	80.2	528	660	17%
20	46	14.1	260	2.12	17.80	67.4	551	689	28%
30	69	21.1	260	2.04	12.50	47.3	530	663	31%
38.5	89	27.1	260	1.34	0.00	0.0	348	436	0%

* Array Watts using a 20% deration factor.