

Single Ply Polyurethane Ellipsoid Aerostat

Model	Dia inflated (ft)	Dia inflated (kg)	Ht inflated (ft)	Ht inflated (kg)	Vol. He (cu.ft)	Vol. He (cuM)	Net Lift (lb) 3.5mil	Net Lift (kg) 3.5mil	Net Lift (lb) 6mil	Net Lift (kg) 6mil	Net Lift (lb) 9mil	Net Lift (kg) 9mil	Straps Rings Sail Rigging
12	9.5	2.9	6.1	1.9	288	8	9.6	4.4					2.9
13	10.3	3.1	6.6	2.0	366	10	13.3	6.0					3.1
14	11.1	3.4	7.1	2.2	457	13	17.5	7.9					3.6
15	11.9	3.6	7.7	2.3	562	16	21.7	9.8					4.9
16	12.6	3.9	8.2	2.5	682	19	26.9	12.2					6.0
17	13.4	4.1	8.7	2.6	818	23	33.1	15.0					7.0
18	14.2	4.3	9.2	2.8	971	27	39.9	18.1	31.0	14.1			8.5
19	15.0	4.6	9.7	3.0	1143	32	47.6	21.6	37.8	17.1			10.0
20	15.8	4.8	10.2	3.1	1333	38	56.0	25.4	45.1	20.5			12.0
21	16.6	5.1	10.7	3.3	1543	44	67.6	30.7	55.6	25.2			12.0
22	17.4	5.3	11.2	3.4	1774	50	80.4	36.5	67.2	30.5			12.0
23	18.2	5.5	11.7	3.6	2027	57	94.5	42.9	80.1	36.3			12.0
24	19.0	5.8	12.2	3.7	2303	65	106.8	48.5	91.1	41.3			15.1
25	19.8	6.0	12.8	3.9	2603	74			105.7	47.9	85.2	38.7	16.1
26	20.5	6.3	13.3	4.0	2928	83			122.7	55.6	100.5	45.6	16.1
27	21.3	6.5	13.8	4.2	3279	93			141.1	64.0	117.3	53.2	16.1
28	22.1	6.7	14.3	4.4	3657	103			161.2	73.1	135.5	61.5	16.1
29	22.9	7.0	14.8	4.5	4063	115			182.8	82.9	155.3	70.4	16.1
30	23.7	7.2	15.3	4.7	4497	127			206.1	93.5	176.7	80.1	16.1
31	24.5	7.5	15.8	4.8	4962	140					198.7	90.2	17.1
32	25.3	7.7	16.3	5.0	5458	154					223.6	101.4	17.1
33	26.1	7.9	16.8	5.1	5986	169					248.7	112.8	18.6
34	26.9	8.2	17.3	5.3	6547	185					277.2	125.7	18.6
35	27.7	8.4	17.9	5.4	7142	202					307.6	139.5	18.6
36	28.4	8.7	18.4	5.6	7772	220					340.0	154.2	18.6
37	29.2	8.9	18.9	5.8	8437	239					374.4	169.8	18.6
38	30.0	9.2	19.4	5.9	9140	259					411.0	186.4	18.6
39	30.8	9.4	19.9	6.1	9881	280					449.7	204.0	18.6
40	31.6	9.6	20.4	6.2	10661	302					490.7	222.6	18.6

***Note: 20 ft & larger has 4th handling line**

****Note: Rings, Sail, Straps, Rigging included in Net Lift**