

# FM ANTENNA WEIGHT AND WINDLOAD INFORMATION

## SHPX/SHP Series

Type	Antenna Weight (lbs.)				Antenna CaAa (square feet)				Antenna Windload (lbs.)			
	Antenna Only	With 1/2" Radial Ice	With Radome	With Radome & 1/2" Radial Ice	Antenna Only	With 1/2" Radial Ice	With Radome	With Radome & 1/2" Radial Ice	Antenna Only	With 1/2" Radial Ice	With Radome	With Radome & 1/2" Radial Ice
"A" Model, 3 1/8" Interbay Line, 3 1/8" Element Stem												
1AE	114	194.63	185	340.79	6.52	8.99	14.78	17.72	137	244.87	354	485.15
2AE	225	383.65	376	684.98	13.36	18.35	29.89	35.80	304	499.81	742	980.37
2AC	250	417.07	385	702.40	14.03	19.13	30.56	36.58	319	521.77	749	1002.33
2AC6	301	482.37	436	767.69	16.16	21.23	32.69	38.68	421	580.18	851	1060.70
3AE	336	572.67	568	1030.16	20.20	27.71	45.00	53.89	470	754.75	1130	1475.59
4AE	447	761.70	759	1374.35	27.05	37.07	60.10	71.97	637	1009.68	1518	1970.81
4AC	472	795.11	768	1391.77	27.72	37.69	60.78	72.59	652	1027.78	1525	1988.90
4AC6	523	860.41	819	1457.06	29.85	39.79	62.90	74.69	758	1086.14	1631	2047.26
5AE	558	950.72	951	1719.53	33.89	46.42	75.21	90.05	804	1264.62	1905	2466.03
6AE	669	1139.74	1142	2063.72	40.74	55.78	90.32	108.13	971	1519.56	2294	2961.24
6AC	694	1173.16	1151	2081.13	41.41	56.25	90.99	108.60	986	1533.78	2300	2975.47
6AC6	745	1238.45	1202	2146.43	43.53	58.35	93.12	110.70	1096	1592.15	2410	3033.83
7AE	780	1328.76	1334	2408.90	47.58	65.14	105.43	126.22	1138	1774.50	2682	3456.46
8AE	891	1517.78	1525	2753.08	54.42	74.49	120.54	144.30	1305	2029.44	3070	3951.68
8AC	916	1551.20	1534	2770.50	55.10	74.81	121.21	144.61	1320	2039.79	3076	3962.04
8AC6	967	1616.50	1585	2835.80	57.22	76.91	123.33	146.71	1433	2098.16	3190	4020.40
10AC	1138	1929.24	1917	3459.87	68.78	93.37	151.42	180.62	1653	2545.80	3852	4948.61
10AC6	1189	1994.54	1968	3525.17	70.91	95.47	153.55	182.72	1770	2604.18	3970	5006.97
12AC	1360	2307.29	2300	4149.24	82.47	111.92	181.64	216.63	1987	3051.81	4628	5935.18
12AC6	1411	2372.58	2351	4214.54	84.60	114.03	183.76	218.73	2108	3110.17	4750	5993.54

For wind and weight data for B & C models, contact ERI structural engineers.

## LPX/LP Series

Type	Antenna Weight (lbs.)				Antenna CaAa (square feet)				Antenna Windload (lbs.)			
	Antenna Only	With 1/2" Radial Ice	With Radome	With Radome & 1/2" Radial Ice	Antenna Only	With 1/2" Radial Ice	With Radome	With Radome & 1/2" Radial Ice	Antenna Only	With 1/2" Radial Ice	With Radome	With Radome & 1/2" Radial Ice
LPX-1E	57	97	83	153	3.29	5.51	8.93	9.65	91	152	192	267
LPX-2E	114	194	166	307	6.82	11.35	14.09	19.63	188	313	390	543
LPX-2C	152	245	199	353	8.33	13.13	15.61	21.42	230	362	432	592
LPX-3E	170	291	248	460	10.34	17.20	21.25	29.62	285	474	588	819
LPX-3C	207	340	282	507	11.85	18.98	22.77	31.40	327	523	630	868
LPX-4E	227	388	331	614	13.86	23.04	28.42	39.61	382	635	786	1095
LPX-4C	260	437	364	659	15.38	24.82	29.93	41.39	424	684	828	1144
LPX-5E	283	485	413	767	17.39	28.89	35.58	49.59	479	796	984	1371
LPX-5C	317	531	447	813	18.90	30.67	37.09	51.37	521	846	1026	1421
LPX-6E	340	582	496	921	20.91	34.73	42.74	59.58	576	957	1182	1647
LPX-6C	373	628	529	966	22.43	36.51	44.26	61.36	618	1007	1224	1697
LPX-7E	396	679	578	1073	24.44	40.58	49.91	69.56	673	1118	1380	1923
LPX-7C	430	725	612	1120	25.95	42.36	51.42	71.35	715	1168	1422	1973
LPX-8E	453	776	661	1227	27.96	46.42	57.07	79.55	770	1279	1578	2200
LPX-8C	486	821	694	1273	29.48	48.21	58.58	81.33	812	1329	1620	2249
LPX-9C	543	919	777	1427	33.00	54.05	65.75	91.32	909	1490	1819	2525
LPX-10C	599	1015	859	1580	36.53	59.90	72.91	101.30	1006	1651	2017	2801
LPX-11C	656	1113	942	1733	40.05	65.74	80.07	111.29	1103	1812	2215	3077
LPX-12C	712	1209	1024	1886	43.57	71.59	87.23	121.28	1200	1973	2413	3353

CaAa per EIA/TIA-222 Standard. Windload based on 50/33 psf, EIA/RS-222-C Standard.

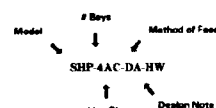
### Antenna Nomenclature Cross Reference

ERI manufactures the below listed antennas for Harris/Allied Broadcast Equipment, Continental Electronics, and Broadcast Electronics. Following are the corresponding antenna model nomenclature for ERI manufactured antennas.

ERI	HARRIS	CONTINENTAL	BE
LP	FML	G5CPM	BEMP
LPX	FMXL	G8CPM	N/A
SHP	FMH	G5CPS	BESP
SHPX	FMXH	G8CPS	N/A
1100	FMC	G4CPH	1100
1105	FMC A or B	G4CP L or M	1105
FM11	FM11	FM11	BELP
P-300	P-300	P-300	P-300
DA-1005	FMD	G4D	DA-1000
1080	1080	1080	1080

### ERI Antenna Abbreviations

- A Interbay Line Size
- B Interbay Line Size
- C Interbay Line Size
- E End Fed
- C Center Fed
- DA Directional Antenna
- HW Halfwave Spaced
- SP Special Design
- CP Circular Polarized
- COG Cogwheel



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