ADB-LVP

Vertically Polarized FM Antenna

Product Description

The Vertical Dipole antennas are vertically polarized side mount FM antenna systems consisting of a balun fed vertical dipole and rigid coaxial feed system. ADB-LVP vertical dipole antennas are constructed of durable non-corrosive brass and copper. All associated brackets and hardware are made of stainless steel or hot dipped galvanized steel for many years of dependable service. The ADB-LVP is cable fed and will handle a maximum input power of 1 kW.

# of Bays	Power Gain (times)	Gain (dB)	Net Weight (lbs / kg)	Windload (lbs / kg)
1	0.955	-0.2	51 lbs / 23 kg	114 lbs / 52 kg
2	2.0	3.0	105 lbs / 48 kg	145 lbs / 66 kg
3	3.0	4.76	155 lbs / 70 kg	231 lbs / 105 kg
4	4.2	6.22	211 lbs / 96 kg	317 lbs / 144 kg
5	5.4	7.31	267 lbs / 121 kg	403 lbs / 183 kg
6	6.4	8.05	323 lbs / 147 kg	489 lbs / 222 kg
8	8.6	9.34	435 lbs / 197 kg	662 lbs / 300 kg
10	11.0	10.4	547 lbs / 248 kg	834 lbs / 378 kg
12	13.2	11.2	659 lbs / 299 kg	1,006 lbs / 456 kg

*All stated gains are Peak gains. Gains do not include losses for feed system, beam tilt or null fill.

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Notes:

1. Weights and windloads listed on previous page are based on the ADB-MVP version.
2. Feed points, when end fed, 3ft/0.92m below bottom bay; 8ft/2.44m below center bay for center fed
3. Maximum input power ratings: ADB-LVP 500, optional to 1 kW
4. Power derating occurs over 2,000ft/609.6m elevation
5. Power and dB gains are typical for vertical components
6. Other combinations of EIA inputs and power ratings available
7. Free space azimuth circularity is ±1.0 dB
8. Custom mounting brackets available; standard to 3" OD pipe or round tower leg
9. Power gain is based on half-wave dipole in free space

Since many factors contribute to a station's compliance with the FCC exposure guidelines for radio frequency radiation, Alan Dick Broadcast Ltd. cannot accept any responsibility in this matter. The station must examine and determine its status based on each individual situation. For reduced low angle radiation near the tower, a low RFR model of this antenna is available. Contact the factory for pricing data and further details.

*All specifications are subject to change without notice.