

# FM IV-CP-BB Antenna

## 1 KW – 12 KW Systems



- Frequency: 87 - 108MHz
- Multiple Bay Systems Available
- High quality stainless steel, brass, and copper materials.
- Broadband System
- Non Pressurized

### SPECIFICATIONS

**Frequency** 87– 108 MHz  
**Input Power Rating** 1 KW - 12 KW  
**Polarization** Circular  
**Azimuth** ±2dB free space  
**VSWR** 1.5:1 or better

**Connections Available:** Type N, 7/16 DIN, EIA Flange

### STANDARD MODELS

Model	Power Rating	Power Gain		dB gain		Weight	Wind Area (CaAa) <i>ft</i> <sup>2</sup>
		Full Wave	Half Wave	Full Wave	Half Wave		
IV-CP-BB-1	3 KW	0.46	NA	-3.37	NA	24 lbs	1.2
IV-CP-BB-2	6 KW	0.95	0.73	-0.22	-1.36	55 lbs	3.7
IV-CP-BB-3	9 KW	1.55	1.02	1.90	0.08	77 lbs	5.2
IV-CP-BB-4	12 KW	2.13	1.35	3.28	1.30	110 lbs	7.8
IV-CP-BB-5	12 KW	2.72	1.63	4.35	2.12	134 lbs	8.8
IV-CP-BB-6	12 KW	3.25	1.89	5.12	2.76	158 lbs	10.8

**Notes:**

- Includes standard mounting brackets and attachment hardware.
- Power ratings are based the use of the correct connector size. Type-N Connectors are rated at a maximum of 1 kW.
- > 4-bay systems available after engineering review
- Antenna weight and wind load calculations are approximate values for a typical structure. Final design loads may vary for the specific application.



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