

FM IV-CP-BB-M Antenna

10 KW – 20 KW



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

The IV-CP-BB-M series product is a medium power broadband side mount antenna system. The IV-CP-BB-M series provides an excellent solution for circular polarized FM station applications. This antenna is available in half wave and full wave configurations. Special spacing configurations are available upon request.

SPECIFICATIONS

Frequency 87– 108 MHz
Input Power Rating 10 KW - 60 KW
Polarization Circular
Azimuth ±2dB free space

Connections Available: EIA: 1-5/8", 3-1/8" EIA, 4-1/16", 6-1/8"

STANDARD MODELS

Model	Power Rating	Power Gain		dB gain		Weight <i>lbs</i>	Wind Load <i>lbs</i>
		Full Wave	Half Wave	Full Wave	Half Wave		
IV-BB-CP-M1	10 KW	0.46	NA	-3.37	NA	55	59
IV-BB-CP-M2E	20 KW	0.95	0.73	-0.22	-1.36	125	181
IV-BB-CP-M2C	20 KW	0.95	0.73	-0.22	-1.36	125	181
IV-BB-CP-M3E	20 KW	1.55	1.02	1.90	0.08	182	271
IV-BB-CP-M3C	20 KW	1.55	1.02	1.90	0.08	182	271
IV-BB-CP-M4E	20 KW	2.13	1.35	3.28	1.30	220	318
IV-BB-CP-M4C	20 KW	2.13	1.35	3.28	1.30	220	318
IV-BB-CP-M5E	20 KW	2.72	1.63	4.35	2.12	315	508
IV-BB-CP-M5C	20 KW	2.72	1.63	4.35	2.12	315	508
IV-BB-CP-M6C	20 KW	3.25	1.89	5.12	2.76	375	614
IV-BB-CP-M7C	20 KW	3.90	2.19	5.91	3.40	457	756
IV-BB-CP-M8C	20 KW	4.28	2.61	6.31	4.17	510	836
IV-BB-CP-M9C	20 KW	5.05	2.79	7.03	4.46	573	955
IV-BB-CP-M10C	20 KW	5.54	3.14	7.44	4.97	635	1010
IV-BB-CP-M11C	20 KW	6.25	3.39	7.96	5.30	713	1188
IV-BB-CP-M12C	20 KW	6.57	3.70	8.18	5.68	768	1219

Notes:

- > 20 KW ratings available upon engineering review.
- Includes standard mounting brackets and attachment hardware.
- Antenna weight and wind load are approximate values for a typical structure. Final design loads may vary for the specific application.

Disclaimer: Specifications are subject to change without notice. Information may be changed or updated without notice. American Amplifier Technologies may also make improvements and/or changes in the products and/or pricing described in this information at any time without notice.