

FM IV-CP-M Antenna System



Features:

- 87 - 108 MHz
- Pressurized
- Single Channel System
- Multi-Channel Systems
- High-Quality Brass, Stainless Steel and Copper Materials

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

Notes: E = End, C = Center

- > 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.

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