AUTOMATIC BAND SWITCHING by means of high-impedance resonant trap circuits!

Model	MINI-21-A	MINI-31-A	MINI-32-A	MINI-32-AW	MINI-33-A	MINI-33-AW
Frequency, MHz	24, 18	28, 21, 14	28, 21, 14	28, 24, 21, 18, 14	28, 21, 14	28, 24, 21, 18, 14
Power Rating, watts CW	500	500	500	500	500	500
Power Rating, watts SSB	1000	1000	1000	1000	1000	1000
Power Rating, AM/FM	250	250	250	250	250	250
Power Rating, RTTY/AMTOR	250	250	250	250	250	250
VSWR at frequency	1.0/1 to 2.0/1	1.0/1 to 2.0/1	1.0/1 to 2.0/1	1.0/1 to 2.0/1	1.0/1 to 2.0/1	1.0/1 to 2.0/1
Forward Gain, dBd / Elements on 10 m	-	0 / 1	5.1 / 2	5.1 / 2	6.1 / 3	6.1 / 3
Forward Gain, dBd / Elements on 12 m	0 / 1	-	-	0 / 1	-	0 / 1
Forward Gain, dBd / Elements on 15 m	-	0 / 1	4.5 / 2	4.5 / 2	4.2 / 3	4.2 / 3
Forward Gain, dBd / Elements on 17 m	0 / 1	-	-	0 / 1	-	0 / 1
Forward Gain, dBd / Elements on 20 m	-	0 / 1	3.3 / 2	3.3 / 2	3.5 / 3	3.5 / 3
Front-to-Back Ratio, dB 10 m	-	0	17 (avg)	17 (avg)	16	16
Front-to-Back Ratio, dB 12 m	0	-	-	0	-	0
Front-to-Back Ratio, dB 15 m	-	0	17 (avg)	17 (avg)	13	13
Front-to-Back Ratio, dB 17 m	0	-	-	0	-	0
Front-to-Back Ratio, dB 20 m	-	0	17 (avg)	17 (avg)	12	12
Boom Length	-	-	6 ft / 1.83 m	6 ft / 1.83 m	6 ft / 1.83 m	6 ft / 1.83 m
Maximum Element Length	17.0625 ft / 5.2 m	17.0625 ft / 5.2 m	19.6875 ft / 6 m	19.6875 ft / 6 m	19.6875 ft / 6 m	19.6875 ft / 6 m
Turning Radius	8.53 ft / 2.6 m	8.53 ft / 2.6 m	10.29 ft / 3.14 m	10.29 ft / 3.14 m	10.29 ft / 3.14 m	10.29 ft / 3.14 m
Mast Mount hardware (equipped)	1.5 in / 3.81 cm	1.5 in / 3.81 cm	1.5 in / 3.81 cm	1.5 in / 3.81 cm	1.5 in / 3.81 cm	1.5 in / 3.81 cm
Assembled Weight	2.5 lbs / 1.13 kg	2.5 lbs / 1.13 kg	9.5 lbs / 4.31 kg	12.5 lbs / 5.67 kg	12.5 lbs / 5.67 kg	15.5 lbs / 7.03 kg
Wind Surface Area	0.8 sq ft / 0.07 sq m	0.8 sq ft / 0.07 sq m	2.5 sq ft / 0.232 sq m	3.7 sq ft / 0.344 sq m	2.5 sq ft / 0.232 sq m	3.7 sq ft / 0.344 sq m
Wind Load, EIA Standard 80 MPH	28 lbs / 12.7 kg	28 lbs / 12.7 kg	38 lbs / 17.24 kg	49 lbs / 22.23 kg	38 lbs / 17.24 kg	49 lbs / 22.23 kg
Warranty	2 years	2 years	2 years	2 years	2 years	2 years
Recommended Coax	RG-8 / RG-213	RG-8 / RG-213	RG-8 / RG-213	RG-8 / RG-213	RG-8 / RG-213	RG-8 / RG-213