



ASP-177
ASP ANTENNA

ASP-177 Specifications

| | |
|-----------------------------|-----------------------------|
| Power: | 150 Watts. |
| Gain: | 3dB. |
| Freq. Range: | 130-174 MHz. |
| VSWR: | Less than 1.5:1. |
| Impedance: | 50 ohms nominal. |
| Radiator Material: | 17-7PH stainless steel. |
| Whip Length: | 51.5" max including spring. |
| Spring Material: | Stainless steel. |
| Base & Fittings: | Plated brass & steel. |
| Cable: | 15' RG-58/U. |
| Connector: | PL-259. |
| Weight: | 3 lbs. |
| Ship Dimensions: | 3" x 5" x 52". |



ASP-7650
ASP ANTENNA

ASP-7650 Specifications

| | |
|-----------------------------|---|
| Power: | 150 Watts. |
| Gain: | 5dB. |
| Freq. Range: | 406-420 MHz (ASPA prefix). 420-430 MHz (ASPE prefix). 445-470 MHz (ASP prefix). 470-494 MHz (ASPB prefix). 494-512 MHz (ASPC prefix). |
| Bandwidth: | 9 MHz. |
| VSWR: | Less than 1.5:1. |
| Impedance: | 50 ohms nominal. |
| Radiator Material: | 17-7PH stainless steel. |
| Whip Length: | 34" max. including spring. |
| Base & Fittings: | Aluminum & plated steel. |
| Cable: | 15' RG-58/U. |
| Connector: | PL-259. |
| Weight: | 3 lbs. |
| Ship Dimensions: | 3" x 5" x 52". |



PAV-450 & 150
PORTABLE MIC STAND ANTENNAS *(Mic stand not included)*

PAV-450 & PAV-150 Specifications

ELECTRICAL

| | |
|---------------------|---------------------------|
| Power: | 200 Watts. |
| Gain: | 3dB. |
| Freq. Range: | 144-174; MHz 450-470 MHz. |
| VSWR: | Less than 1.5:1. |
| Impedance: | 50 ohms nominal. |

(PAV-450 shown left)

MECHANICAL

| | |
|---------------------------|--|
| Radiator Material: | 17-7PH stainless steel. |
| Whip Length: | 49" max; 51.5" max including spring. |
| Base: | Aluminum ground plane mounts on microphone stand for portable operation. |
| Cable: | 15' RG-58/U. |
| Connector: | PL-259. |
| Weight: | 5 lbs. |
| Ship Dimensions: | 22" x 19" x 9". |



MM-150 & 450 AND HPM-450
MAGNETIC MOUNT ANTENNAS

MM-150 & 450 Specifications

ELECTRICAL

| | |
|---------------------|-----------------------|
| Power: | 200 Watts. |
| Gain: | 3dB / 4.5dB. |
| Freq. Range: | 144-174, 450-470 MHz. |
| VSWR: | Less than 1.5:1. |
| Impedance: | 50 ohms nominal. |

MECHANICAL

| | |
|---------------------------|-------------------------------------|
| Radiator Material: | 17-7PH stainless steel. |
| Whip Length: | 49" max, 51.5" max including mount. |
| Base: | Magnetic mount. |
| Cable: | 12' RG-58/U. |
| Connector: | PL-259. |
| Weight: | 4 lbs. |
| Ship Dimensions: | 2" x 4" x 50". |

(MM-150 shown left)

HPM-450 Specifications (not shown)

ELECTRICAL

| | |
|----------------------|---|
| Power: | 100 Watts. |
| Polarization: | Horizontal (up to 30dB isolation from nearby vertically polarized transmissions). |
| Pattern: | Omnidirectional. |
| Freq. Range: | 400-512 MHz. |
| Bandwidth: | 10 MHz. |
| VSWR: | Less than 1.5:1. |
| Impedance: | 50 ohms nominal. |

MECHANICAL

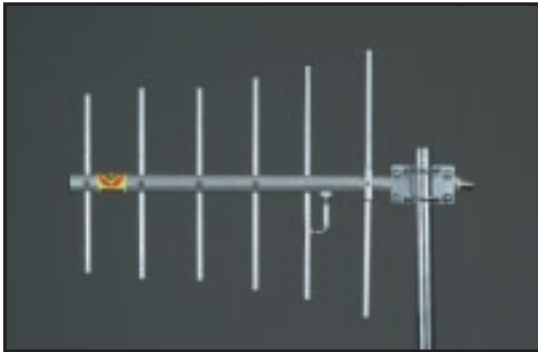
| | |
|-------------------------|----------------------------|
| Material: | Aluminum. |
| Elements: | Solid 3/8" rod. |
| Mounting: | Heavy-duty magnetic mount. |
| Weight: | 2 lbs. |
| Ship Dimensions: | 30" x 10" x 9". |

CALL (217) 224-9600
FAX (217) 224-9607



WEBSITE: www.martielelectronics.com

YC-SERIES YAGI ANTENNAS



MARTI YC-series six-element yagi antennas deliver 10dB gain and come with an extended boom design for use in a wide range of applications as well as mounting styles. All functional components except the "N" female input connector are hand-fitted for field replacement.

YC-Series Specifications

| | |
|-----------------------------|--|
| Power: | 300 Watts power input (500 Watts for YC-450). |
| Gain: | 10dBd, 12.15dBi. |
| Bandwidth: | Frequency determined. |
| Frequency Range: | 140 to 500 MHz (specify frequency). |
| VSWR: | 1.5:1 or less. |
| F/B Ratio: | Better than 20dB. |
| Connector: | Type "N" female. |
| Pattern: | 45° horizontal beam width. 60° vertical beam width 20dB + F/B ratio. |
| Shipping Dimensions: | Varies with frequency. Contact factory. |
| Shipping Weight: | Varies from 6-8 lbs depending on frequency. |

Optional stacking harnesses available for the YC-Series. 2YC-150 and 2YC-450SH to increase antenna gain by 3dB.

HUSTLER-SERIES YAGI ANTENNAS



Hustler yagi antennas are highly resistant to air-borne chemicals and abrasives. All aluminum elements are completely welded to the boom to create a waterproof joint and prevent intermodulation. The black polyester powder coat painting also helps prevent ice build up.

Hustler YAGI Specifications

| | |
|-----------------------------|--|
| Power: | 500 Watts maximum power input. |
| Gain: | 10dBd, 12.15dBi. |
| Bandwidth: | Frequency determined. |
| Frequency Range: | 806 to 960 MHz. |
| VSWR: | 1.5:1 or less. |
| Connector: | Type "N" female. |
| Pattern: | 55° horizontal beam width. 40° vertical beam width 20dB + F/B ratio. |
| Shipping Dimensions: | 7" x 4" x 44". |
| Shipping Weight: | 6 lbs. |

SC-48 PARABOLIC ANTENNA



Vertically Polarized as shown.

SC-48 Specifications

| | |
|-------------------------------|--|
| Power: | 100 Watts maximum power input. |
| Frequency: | 940-960 MHz. |
| Bandwidth: | 20 MHz. |
| Gain at 950 MHz: | 21.05dBi (18.85dBd). |
| Impedance: | 50 ohms. |
| VSWR: | 1.3:1. |
| F/B Ratio: | 23dB. |
| Connector: | Type "N" female. |
| Pattern: | 16° half power beam width. 23dB F/B ratio. |
| FCC Category: | B. |
| Antenna Diameter: | 4'. |
| Mounted Weight: | 47 lbs. |
| Wind Loading (100mph): | 225 lbs. |
| Mounting Pipe: | 1.75" to 3.5". |

SHIPPING INFORMATION

Motor freight or air freight only.

| | |
|---------------------------|------------------|
| Shipping Box Size: | 56" x 55" x 12". |
| Shipping Weight: | 66 lbs. |

NOTE: The SC-48 is available only in 4' diameters.

CALL (217) 224-9600
FAX (217) 224-9607



WEBSITE: www.martielelectronics.com