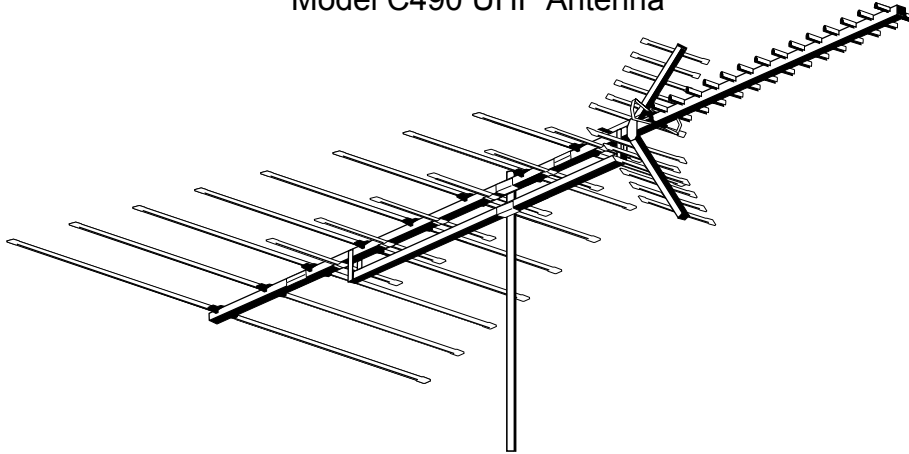


Engineering Specifications

ANTENNACRAFT Model C490 UHF Antenna



Model Number: **C490**

General:	
Channels	2 - 69
Electronic Elements	50
Output Impedance	300 ohms

Physical:	
Boom Length	150"
Maximum Width	108.5"
Vertical Height	38.5"
Turning Radius	89.25"
Element Diameter	.375"
Shipping Weight	10.6 lbs.
Carton Dimensions	8.0" x 6.5" x 72"

Performance:							
1	Gain (dB)						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;">VHF Low Band</td> <td style="padding: 5px; text-align: right;">5.0</td> </tr> <tr> <td style="padding: 5px;">VHF High Band</td> <td style="padding: 5px; text-align: right;">8.8</td> </tr> <tr> <td style="padding: 5px;">UHF Band</td> <td style="padding: 5px; text-align: right;">9.3</td> </tr> </table>	VHF Low Band	5.0	VHF High Band	8.8	UHF Band	9.3
VHF Low Band	5.0						
VHF High Band	8.8						
UHF Band	9.3						
2	Half-Power Beamwidth (deg.)						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;">VHF Low Band</td> <td style="padding: 5px; text-align: right;">70.3</td> </tr> <tr> <td style="padding: 5px;">VHF High Band</td> <td style="padding: 5px; text-align: right;">39.0</td> </tr> <tr> <td style="padding: 5px;">UHF Band</td> <td style="padding: 5px; text-align: right;">58.0</td> </tr> </table>	VHF Low Band	70.3	VHF High Band	39.0	UHF Band	58.0
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VHF High Band	39.0						
UHF Band	58.0						
3	Front-To-Back Ratio (dB)						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;">VHF Low Band</td> <td style="padding: 5px; text-align: right;">15.5</td> </tr> <tr> <td style="padding: 5px;">VHF High Band</td> <td style="padding: 5px; text-align: right;">16.9</td> </tr> <tr> <td style="padding: 5px;">UHF Band</td> <td style="padding: 5px; text-align: right;">14.3</td> </tr> </table>	VHF Low Band	15.5	VHF High Band	16.9	UHF Band	14.3
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VHF High Band	16.9						
UHF Band	14.3						

CEA Color Code: Yellow/Green/Lt. Green/Red

1: Over Half-Wave Tuned Dipole (Ch. 2 - 62)
 2: -3 dB Down Points
 3: Opposite Hemisphere