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### 290 SERIES 220 MHz YAGI ANTENNAS

The 290 Series 220MHz Yagi Antennas are available in 2, 3, and 6 element configurations. Antennas can be customized to your applications. Available with black anodized coating. Welded. Vertically or horizontally polarized. Heavy-duty, rugged versions are available.



290-70-220

- Antenna has a rugged design to withstand harsh environmental conditions.
- Mounting hardware supplied will permit either vertical or horizontal polarization.
- DC ground for lightning protection.
- Entire antenna may be welded for added durability as an option.
- Heavy-duty versions are available. Contact a COMPROD technical support technician.

215-225 MHz			
VHF YAGI ANTENNA			
Electrical Specifications	291-70-220	295-70-220	290-70-220
Frequency Range, MHz	215-225	215-225	215-225
Nominal Gain, dBd	3.5	6.5	9.5
Number of Elements	2	3	6
Bandwidth: 1.5:1 VSWR, MHz	10	10	10
Polarization	Vert. or Horiz.	Vert. or Horiz.	Vert. or Horiz.
Horizontal Beamwidth (Vert. Pol.)	140°	90°	62°
Vertical Beamwidth (Vert. Pol.)	70°	36°	50°
Front to Back, dB	15	12	17
Pattern	Directional	Directional	Directional
Power Rating, Watts	350	350	350
Nominal Impedance, Ohms	50	50	50
Lightning Protection	DC Ground	DC Ground	DC Ground
Standard Termination	Type N Male	Type N Male	Type N Male
Mechanical Specifications			
Length, in (mm)	32 (813)	48 (1219)	84 (2134)
Width, in (mm)	29 (737)	28 (711)	27 (686)
Weight, lbs (kg)	~ 7.4 (3.3)	4.8 (2.2)	9.0 (4.1)
Rated Wind Velocity: No Ice, mph (km/h)	Need Help? Click to Chat	155 (249)	145 (233)
Rated Wind Velocity: 0.5" (13mm) Ice, mph (km/h)	145 (233)	130 (209)	100 (161)
Lateral Thrust @ 100mph wind, lbs (kg)	19.4 (8.8)	27 (12)	47 (21.3)
Torsional Moment @ 100mph, ft*lb (kg*m)	25 (3.5)	52 (7.2)	138 (19)
Projected Area, ft² (m²)	0.7 (0.07)	1.0 (0.09)	1.75 (0.16)
Mounting Information: Mast O.D.	181-85 Clamp	181-85 Clamp	115R-85 Clamp

Order Information	End Boom	Welded	Heavy Duty	Black Anodized	(2) Stacked
291-70-220	291-70EB-220	291-70W-220	291-70HD-220	291-70HDB-220	n/a
295-70-220	295-70EB-220	295-70W-220	295-70HD-220	295-70HDB-220	n/a
290-70-220	290-70EB-220	290-70W-220	290-70HD-220	290-70HDB-220	298-70-220

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COMPROD completely revamps its Website!

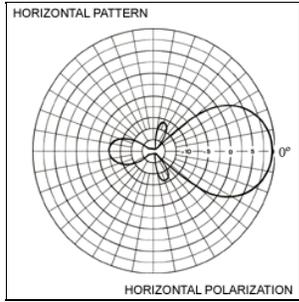
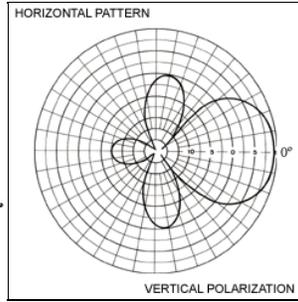
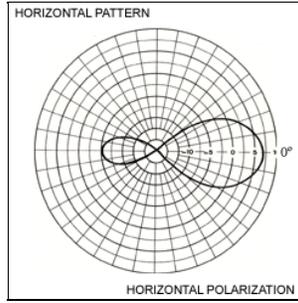
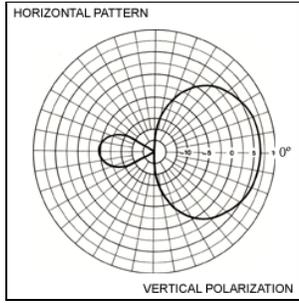
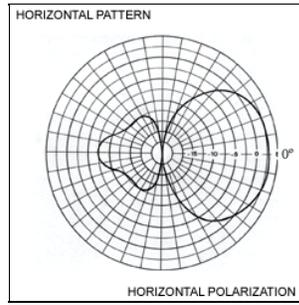
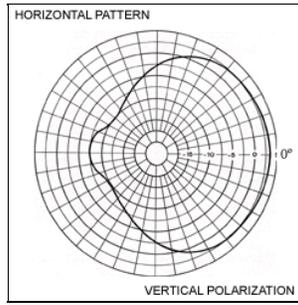
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291-70-220



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Design by Kina Communication  
A Webit Strategy

COMPROD is an RF manufacturer. A specialist in complete RF infrastructure solutions, the company offers a wide range of base stations, base antennas, in-building antennas and mobile antennas. Simpler, stronger, faster RF solutions.

COMPROD: We make RF simple.