

Civil Aviation Yagi Antenna

- Y112B-130V

This TACO Yagi antenna is specifically designed to blend the benefits of omnidirectional and directional communications for ATC applications. The Y112B-130V provides extended directional range for early communications with high velocity or high volume inbound air traffic while maintaining azimuth coverage for standard inbound and holding pattern traffic within the controlled air space.

SPECIFICATIONS:

ELECTRICAL

MODEL(S)	Y112B-130V	
Frequency Range (MHz)	118 - 137	
Gain (dBi)	10.4	
Impedance [Ohms]	50	
Polarization	Vertical	
Back to Front Ratio	10.4 dB	
VSWR:	Min	1.4
	Max	1.8
Typical	1.6	
HPBW:	Horz.	82°
	Vert.	55°
1st Sidelobe Suppression	6 dB	
Std. Connector	N	
Max. Input Power [watts]	500	
Operating Temperature	-50 °C - 100 °C	

MECHANICAL

MODEL(S)	Y112B-130V
Number of Elem.	11
Overall Length [in.]	108
Antenna Weight (lb)	13

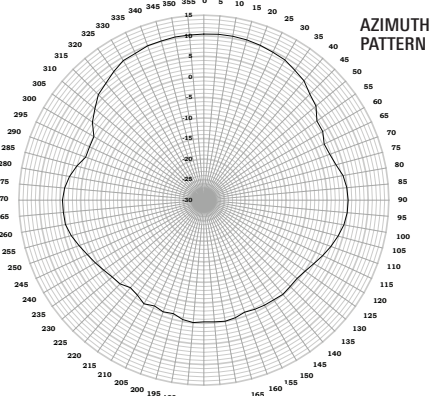
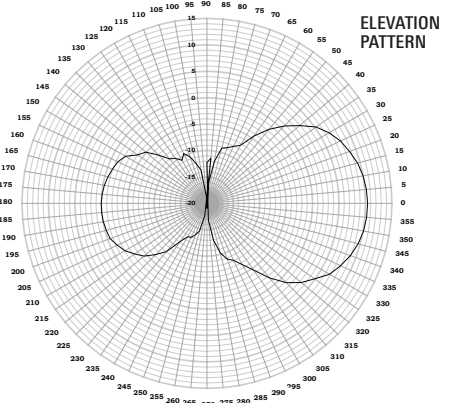
Mounting options

Type	In Line Pipe Mount
Mast size(O.D.)	1.66" to 3"
Az. Adjust	360°

WIND LOADING

MODEL(S)	Y112B-130V
Wind Area: (No Ice)	2.92
(1/2 Radial Ice)	5.28
Wind Load *(No Ice)	93
** (1/2" Radial Ice)	52.79

ANTENNA PATTERNS



* Wind Speed = 100 MPH at sea level with 100% Humidity at Seventy Degrees Fahrenheit.

** Wind Speed = 50 MPH at sea level with 100% Humidity at Zero Degrees Fahrenheit.

TACO Antenna's ongoing policy of continuing development may result in specification changes to its products.

US AND INTERNATIONAL SALES AGENT

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