

Civil Aviation Yagi Antenna

Model 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.

ELECTRICAL

FREQUENCY RANGE (MHz)	118 – 137	
GAIN (dBi)	10.4	
IMPEDANCE (Ohm)	50	
POLARIZATION	Vertical	
BACK TO FRONT RATIO (dB)	10.4	
VSWR (°)	Min.	1.4
	Max.	1.8
	Typical	1.6
HPBW (°)	Horz.	82
	Vert.	55
1 ST SIDELobe SUPPRESSION (dB)	6	
STD. CONNECTOR	N	
MAX. INPUT POWER (W)	500	
OPERATING TEMPERATURE (°C)	-50 – 100	

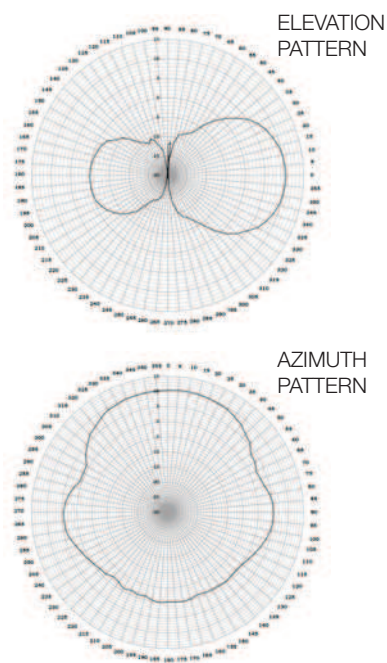
MECHANICAL

NUMBER OF ELEM.	11
OVERALL LENGTH (in)	108
ANTENNA WEIGHT (lb)	13

MOUNTING

TYPE	In Line Pipe Mount
MAST O.D. (in)	1.66 TO 3
AZIMUTH ADJUSTMENT (°)	360

ANTENNA PATTERNS



WIND LOADING

WIND AREA	(No Ice)	2.92
	(1/2 Radial Ice)	5.28
WIND LOAD	*No Ice	93
	** (1/2" Radial Ice)	52.79

* 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.

TACO ANTENNA

(A division of Wade Antenna, Inc.)
 29 Sharp Road, Brantford, Ontario
 Canada N3T 5L8
www.tacoantenna.com

US SALES

Jeff Kunkle
 Tel: 717.975.0885
 TF: 866.975.4433
sales@tacoantenna.com

CANADIAN SALES

Tracy Plumstead
 Tel: 519.756.7157 ext. 238
 TF: 800.463.1607 ext. 238
cansales@tacoantenna.com

EUROPEAN SALES

Jon Barton
 Tel: +44.01480.478770
 Cell: +44.07538.737796
europesales@tacoantenna.com

GLOBAL SALES

Jeff Kunkle
 Tel: 717.975.0885
 TF: 866.975.4433
globalsales@tacoantenna.com