

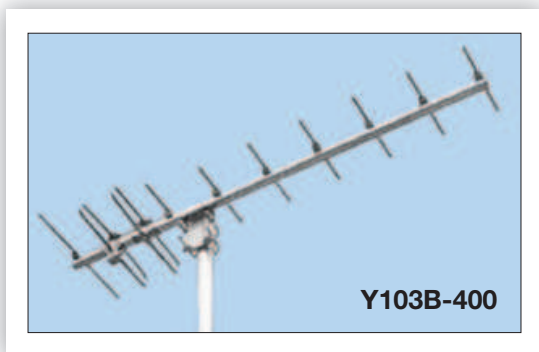
### RUGGED YAGI ANTENNAS

#### Y 102/103 SERIES

TACO'S Y-Series Yagi antennas are designed for 2-way voice and data communications for ground to ground and ground to air communications. The use of multiple driven elements allows these Yagi's to achieve high gain levels throughout their entire specified bandwidths. A single TACO Yagi's operational band typically covers a frequency range that would require as many as 3 standard Yagi's.

Vertically polarized Y-Series models are furnished with a fiberglass mast which allows the antennas to be center mounted. This reduces torque effects due to wind and aids in maintaining the antennas natural radiation pattern. The fiberglass mast mounts inline via a coupling, to standard tower masts.

All Y-Series antennas are crafted from high strength aluminum and utilize stainless steel hardware for excellent corrosion resistance. Each unit is furnished with an integrated 50 Ohm N-Female connector, and all are capable of mounting to a range of mast diameters, from 1.5"OD to 3"OD.



### SPECIFICATIONS

MODEL NAME		Y102B - 130	Y102B - 150	Y103B - N	Y103B - 400
FREQUENCY (MHz)		118-137	133-163	235-250	360-440
GAIN (dBi)		11.2	11.2	12.0	12.0
VSWR (Max)		2:1	2:1	2:1	2:1
HPBW (Degree)	E-plane	50	50	45	45
	H-plane	65	65	58.0	58.0
POWER (Watts)		280	260	200	140
NUMBER OF DRIVEN ELEMENTS		2	3	2	2
LENGTH (inch)		102.6	86.8	59.3	55.2
WIDTH (inch)		50.0	49.5	24.8	17.25
WEIGHT (lbs)		17	22	16	7
POLARIZATION		H	V	V	H & V
FIBREGLASS MAST LENGTH (inch)		N/A	52.6	52.6	N/A

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

#### TACO ANTENNA

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