



## FIVE ELEMENT RUGGED YAGI ANTENNAS

### Y53B

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	FREQ. (MHz)	GAIN <sup>°°</sup> (Nom. dBi)	VSWR (Max)	NPBW (Nom Deg.)		PWR. IN (Max W.)	NO. DRIV ELEMENTS	LENGTH (Max in.)	WIDTH (Max in.)	NET WT. No ice lbs.	NET WT. 1/2" ice lbs.	WINDLOADING		SHIPPING INFORMATION	
				E-plane	H-plane							THRUST No ice lbs.	THRUST 1/2" ICE lbs.	CUBAGE	CARTON SZ In. (")
Y53B - 160	130-190	7.5	2.5:1	65.0	110.0	130	3	30.8	44.0	8	35	27	50	0.7	7 x 3 1/2 x 47
Y53B - 185	150-225					125	2	43.0	39.0	6	31	24	45	0.6	5 1/4 x 3 3/4 x 49
Y53B - 220	190-250					100	3	28.0	33.0	7	28	22	40	0.7	7 x 3 1/2 x 47
Y53B - 280V	225-335					125	2	36.8	26.5	6	23	16	30	0.6	5 1/4 x 3 1/4 x 49
Y53B - 355	310-400					70	2	21.8	19.0	6	19	14	25	0.5	7 x 3 1/2 x 35
Y53B - 355V	310-400					70	2	21.8	19.0	6	19	14	25	0.5	7 x 3 1/2 x 35
Y53B - 417	335-500					70	2	25.7	19.0	5	17	14	25	0.6	5 1/4 x 3 3/4 x 49

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