

TACO

Screen-Reflector Yagi Antennas 126-513 MHz

SY 40 SERIES

Comprising two groups of rugged, dependable antennas for point-to-point applications, equipped with a 50-Ohm. "N" type terminal. This series is designed for tower leg mounting and provides +/- 60 degrees of azimuth adjustment.

IMPORTANT:

Model SY-M mounting kits for either up to 4 1/2" or up to 7 1/2" diameter tower legs must be ordered separately.

FEATURES:

- Exceptionally high gain and front-to-back ratios.
- Heavy duty, heliarc-welded aluminum construction.
- Direct input/output: no external baluns.
- Foam filled feed system for absolute moisture exclusion.
- Vertical or horizontal polarization.
- Optional finishes and mounting hardware at minimal extra cost.

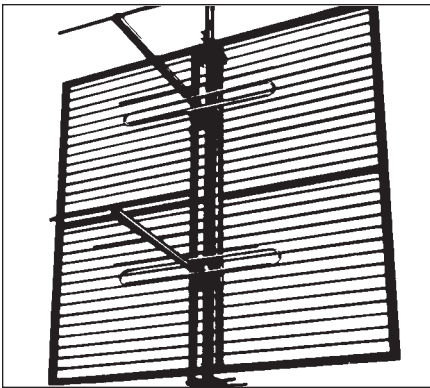
TYPICAL WINDLOADING

MODEL #	NET WEIGHT LBS.	THRUST NO ICE LBS.	THRUST 1/2" ICE LBS.
SY42-135	32	210	480
SY42-7	28	185	465

(Thrust in lbs. on supporting structure based on 30 PSF)

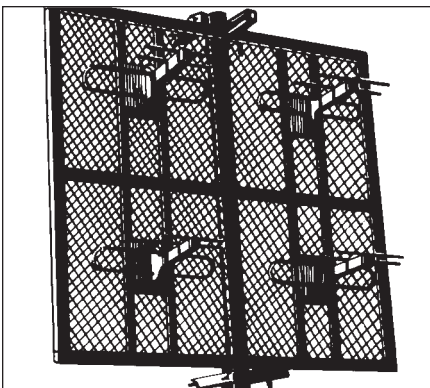
SY 42 SERIES

Dual-yagi, grid-type reflector models covering 126 to 330 MHz.



SY 44 SERIES

Quad-yagi, mesh-type reflector models covering 390 to 513 MHz.



SPECIFICATIONS

MODEL	SY42 129-171	SY42 7*-310	SY44 All
Gain** (Nom, dBi)	13.0		15.0
VSWR (Max)	1.5:1 (50 -Ohms)		
HPBW E-plane	52.0		30.0
(Nom, deg) H-plane	40.0		
Pwr. In (Max, W)	1,000	800	500
Ref. Dims. (in)	80 x 80	60 x 60	48 x 36
Weight (Net lbs.)	32.0	28.0	25.0

(Thrust in lbs. on supporting structure based on 30 PSF)

MODEL	FREQ. (MHz)	MODEL	FREQ. (MHz)
SY42-129	126-132	SY42-7*	174-180
SY42-135	132-138	SY42-8*	180-186
SY42-141	138-144	SY42-9*	186-192
SY42-151	148-154	SY42-10*	192-198
SY42-157	154-160	SY42-11*	198-204
SY42-160	157-164	SY42-12*	204-210
SY42-164	160-167	SY42-13*	210-216
SY42-171	167-174	SY42-310	290-330
		SY44-406	390-425
		SY44-460	450-470
		SY44-491	470-513

* Suffix indicates TV channel.

** dB referred to an isotropic source