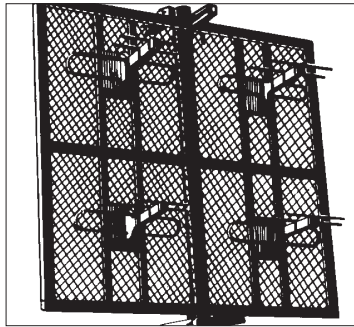


## SY 42 Series

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
VSWR (Max)	1.8:1 (50 -Ohms)		
VSWR (Typical)	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
Refl. Dims. (in)	80 x 80	60 x 60	48 x 36
Weight (Net lbs.)	32.0	28.0	25.0

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

\* Suffix indicates TV channel.

\*\* dB referred to an isotropic source

SY44-406	390-425
SY44-460	450-470
SY44-491	470-513

## Screen-Reflector Yagi Antennas

### 126-513 MHz

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 Wind Loading

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

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

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