



**UNITED
STATES
ANTENNA
PRODUCTS, LLC.**

MODEL T-3002

RLPA TOWER SYSTEM

DUAL GUYED TOWER
SELF SUPPORT TOWER



The Model T-3002 tower and rotator system is the ultimate support for large HF log periodic antennas. The T-3002 is specifically designed to support the USAP antennas Models, LP-1001, LP-1002 or the 3 to 30 MHz, LP-1005.

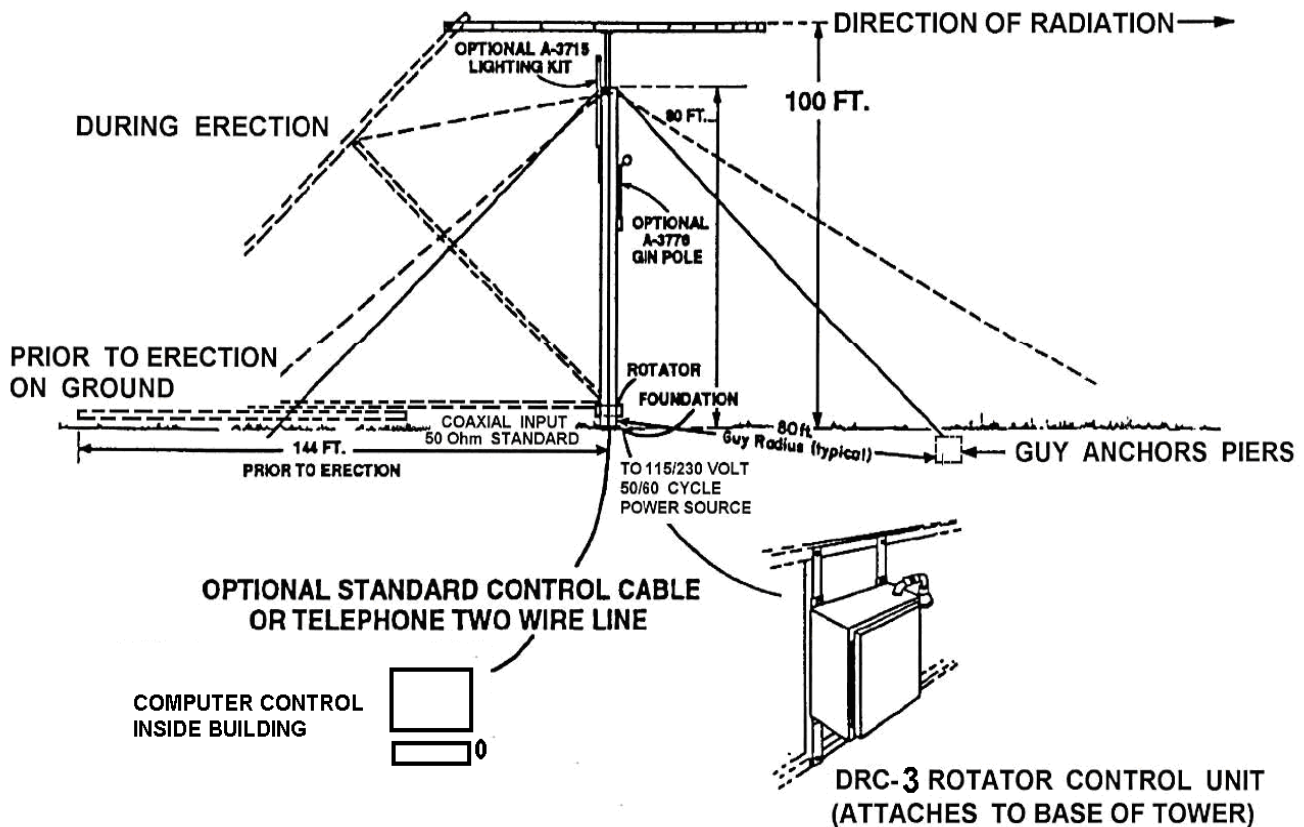
The **Dual Tower** guyed system consists of two 80 foot steel knockdown support towers, a base rotator supported on pivotal yokes between the towers. This system can be tilted down for ground level maintenance of the antenna. A **Self Support** tower is available. This option eliminates the guy wires, but precludes the option of lowering the antenna without a crane. Both systems have a 100 (or 80) foot rotating mast with a 1 5/8 inch pressurized feedline installed inside, a 25 kW rotary joint and all accessories and hardware needed for installation. The rotator used is the heavy duty Model R-3503, equipped with the DRC-3, two-wire Control Unit. The rotating mast and ground level rotator design places the vertical load of the antenna at the base of the tower rather than at the top. This provides increased system stability and greater wind load survivability. Rotator maintenance can be performed without climbing the tower.



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Specification Summary T-3002	
Overall Height	100 ft. (30.38m) (80 Ft. Option available)
Voltage Required	115V or 230V 50/60Hz., single phase
Installation area required	0.31 acres (1254 sq. M) Dual Tower Less than 100 sq. ft. Self Support
Transportability	Can be shipped by any mode of transportation in factory crating
Feedline	50 ohm pressurized feedline
Input Connector	1 5/8" EIA coaxial flange
Wind and Ice Loading	Wind and No Ice: 130 mph (209.Km/h) Wind and 1/2 Radial Ice: 105 mph (168.9Km/h) Dual Tower 100MPH for Self Support Tower
Azimuth Rotation Speed	1 1/4 rpm MAX User Definable

DUAL TOWER TYPICAL INSTALLATION



T-3002 Ordering Information	
3002FA	100 ft Dual tower System
3002FB	80 ft Dual tower System
3002SS	100 ft Self Supporting Tower
3002SS-80	80 ft Self Supporting Tower

3002FB This tower is the same as the 3002 FA Dual Tower with the exception of the tower sections being 60 feet tall, and the rotating mast being 80 feet tall.

3002SS -80 This tower is the same as the 3002SSTower with the exception of the tower sections being 60 feet tall, and the rotating mast being 80 feet tall.

OPTIONAL ACCESSORIES

Lighting Kit, Safety Climb, Safety Ladder, Lightning Protection, Gas block, 90 degree EIA elbow, control cable

United States Antenna Products (USAP) manufactures at our Frederick, Maryland plant. We can install, tune and provide a regular maintenance program for your antenna site operations.

United States Tower Services (USTS) has over thirty years experience in erecting and servicing antennas and antenna tower systems. This includes extensive experience in the installation and maintenance of large HF stationary and rotating arrays.

Combined, USAP and USTS will provide a total antenna system, up and running – just connect your radios to the transmission lines we have installed.

PRICING NOTE: THE PRICE FOR THE 3002 SYSTEM CONFIGURATION INCLUDES ONLY THE TOWER AND MAST. ALL OTHER COMPONENTS OF THE SYSTEM ARE PRICED SEPARATELY