



Commercial Log-Periodic Antenna

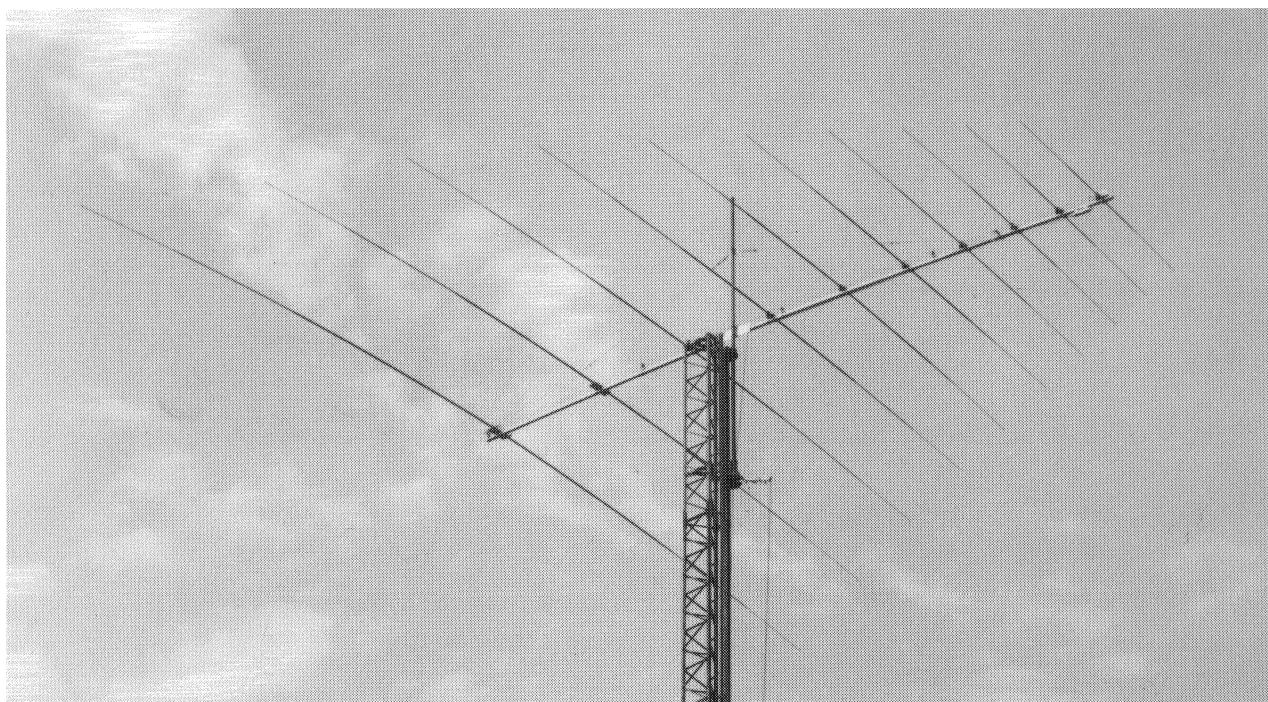
★ High Directive Gain
Medium to Long Range Communications

★ Light Weight, Easy and Rapid Installation

CLP930, 931

10 - 30 MHz

13 - 30 MHz



Model CLP930, Illustration

DESCRIPTION AND APPLICATION

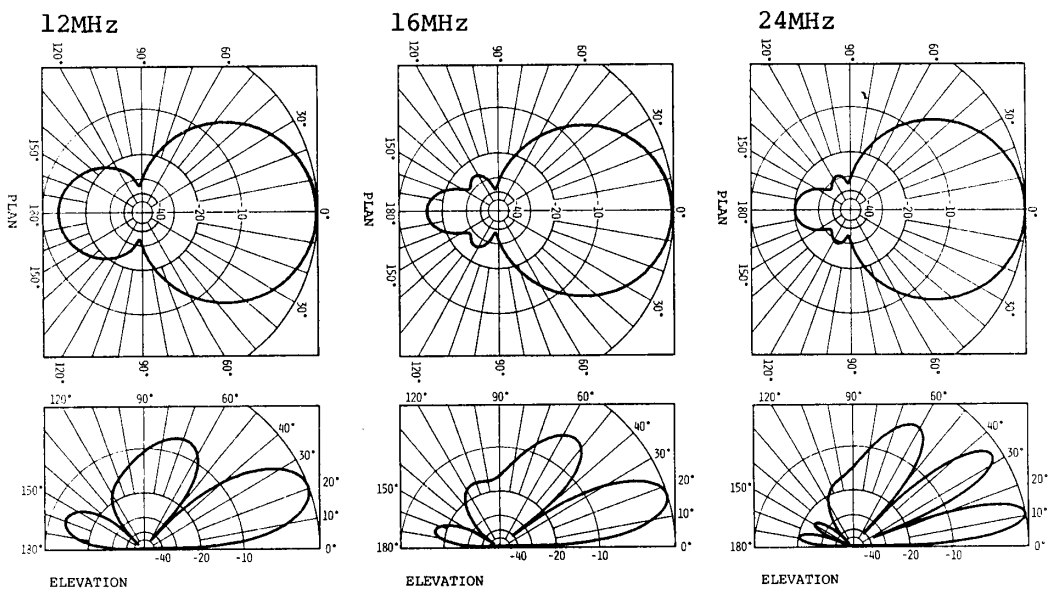
The CD model CLP930 series rotatable log-periodic antenna offer a high cost performance ratio previously unavailable. The unique characteristics of these antennas provide reliable communications over medium and long range paths (500km-6000km). Design innovation incorporates broad frequency coverage together with a mechanically stable structure. Engineered and developed by CD, these are the first antennas of their type to offer the operational and performance capability over the entire frequency range. The CLP930 series are the high gain durably constructed light weight log-periodic antennas. Two distinct bandwidth models are available in order to supply the user with a design specifically tailored to the station frequency. The model CLP930 covering 10 to 30MHz and the model CLP931 covering 13 to 30MHz frequency range. Needing neither matching circuits nor ground screen, these antennas can be easily installed wherever there is a space enough above the tower. Moreover as these antennas are a kits form, anyone can assemble and install easily without having any difficulty. The performances specifications and operational characteristics have been authenticated by actual field tests. These antennas are complete with antenna array, balun assembly and mast bracket.

SPECIFICATIONS

Model No.	CLP930	CLP931
Frequency Range	10~30MHz	13~30MHz
Polarization	Horizontal	Horizontal
Forward Gain	11dBi	12dBi
Front To Back Ratio	- 15 dB Average -	
Azimuth Half Power Beamwidth	80°~70°	70°~60°
Input Impedance	50 ohms	50 ohms
VSWR Maximum	2.0:1	1.8:1
Total Number of Elements	10	10
Boom Length	9.3m	7.6m
Longest Element Length	14m	11.4m
Turning Radius	8.3m	6.9m
Suggested Mast Dia.	49~61mm	49~61mm
System Net Weight	49.5 kg	38 kg
Wind Loading Capability	40m/s	40m/s
Recommended Antenna Height	16m	16m
Recommended Rotator	RC5B-x	RC5A-x

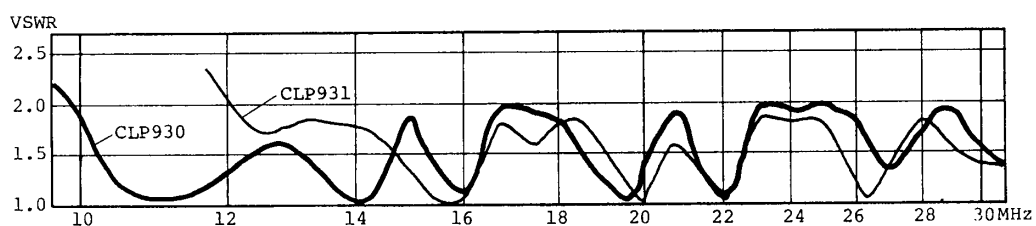
POWER CAPABILITY AND INPUT CONNECTOR

CLP93x-1. Transmit 1kW/2kW PEP Type -N-
CLP93x-2. Transmit 3kW/5kW PEP Type -HN-

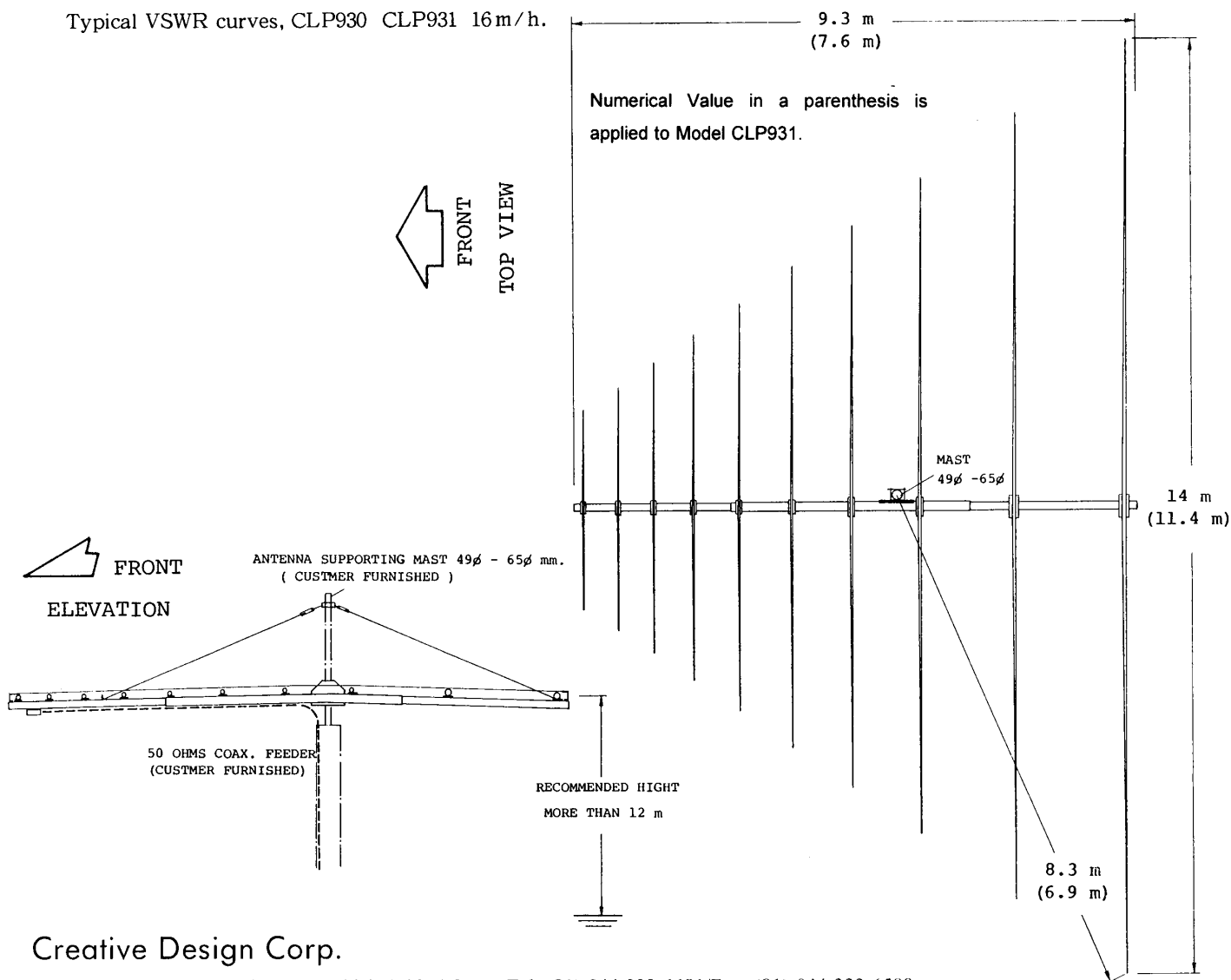


Azimuth pattern at elevation angle of beam maximum.

Antenna height 16m.



Typical VSWR curves, CLP930 CLP931 16m/h.



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