



Commercial Log-Periodic Antenna

- ★ High Directive Gain
Medium to Long Range Communications
- ★ Light Weight, Easy and Rapid Installation

CLP720



Model CLP720, Illustration

DESCRIPTION AND APPLICATION

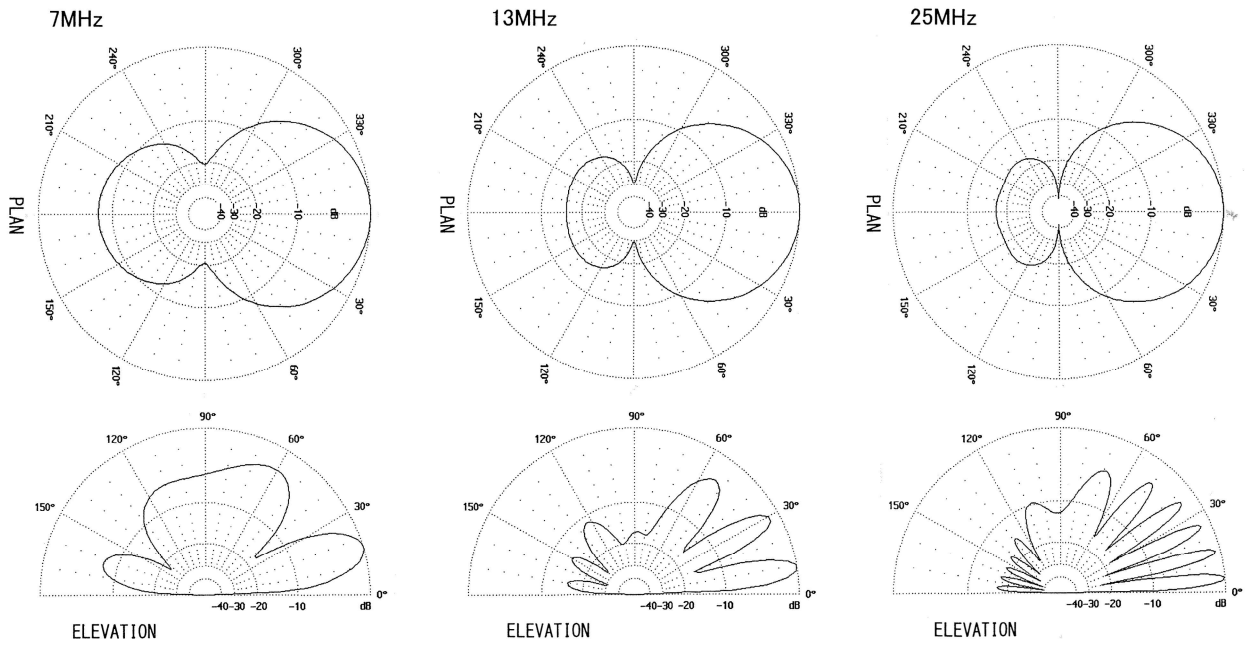
The CD model CLP720 rotatable log-periodic antenna offer a high cost performance ratio previously unavailable. The unique characteristics of these antennas provide reliable communications over medium and long range paths (300km-3000km). Design innovation incorporates broad frequency coverage together 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 CLP720 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. 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.	CLP720
Frequency Range	6.8~25 MHz
Polarization	Horizontal
Forward Gain	12 dBi
Front To Back Ratio	15 dB
Azimuth Half Power Beamwidth	75°~65°
Input Impedance	50 ohms
VSWR Nominal	2.0: 1
Total Number of Elements	12
Boom Length	13.7 m
Longest Element Length	21 m
Turning Radius	12 m
Suggested Mast Dia.	100~115 mm
Net Weight	140 kg
Wind Loading Capability	57 m/s
Recommended Antenna Height	25 m
Recommended Rotator	RC20

POWER CAPABILITY AND INPUT CONNECTOR

CLP720-1. Transmit 1kW/2kW PEP. Type -N-
 CLP720-2. Transmit 5kW/10kW PEP. Type 7/16



Azimuth pattern at elevation angle of beam maximum. (gain in dBi)
 Antenna height 35m.

