

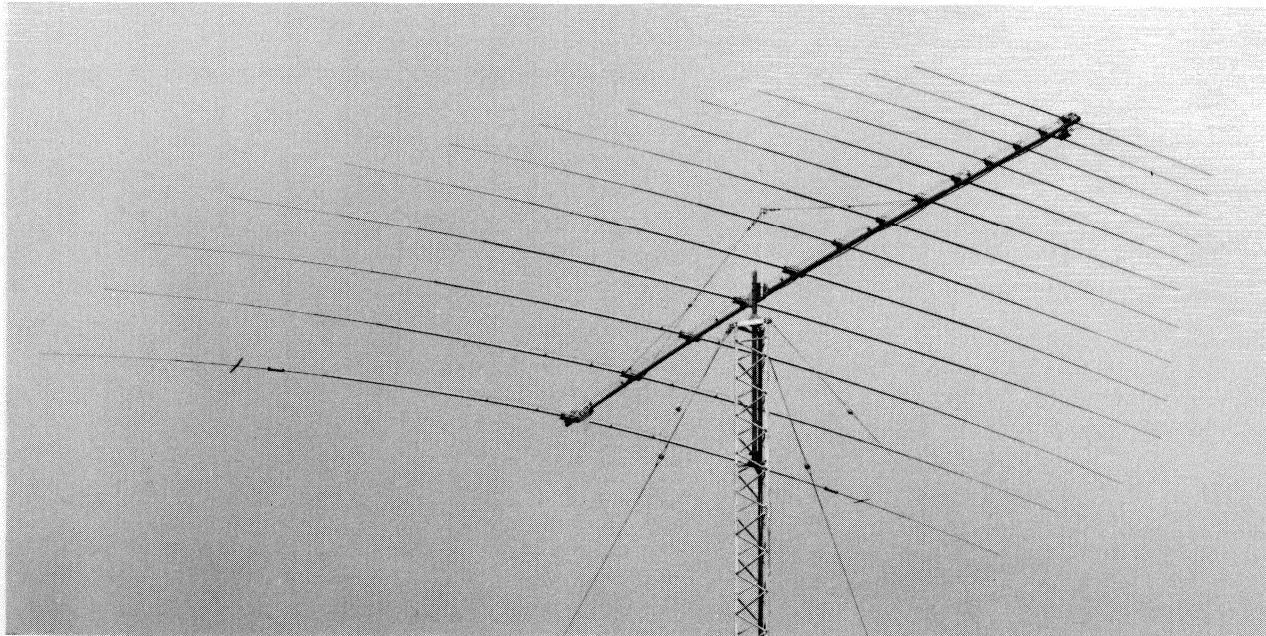


Commercial HF L.P. Antenna

- ★ Small Size
- ★ Rugged Construction
- ★ Wide Range Operation
- ★ Rotatable or Fixed Operation

CLP630

6.3 TO 30 MHz



The CD model CLP630 is a reduced-scale version of log periodic antenna. It is perfect for situations in which limited space precludes erection of a large antenna. Although electrical handling capability is slightly less than that provided by a full-sized antenna, the CLP630 surpasses even full-sized model in overall performance capability. Further, when construction costs are compared to those for the inverted L, T-type, and other conventional antennas, there is no appreciable difference in expense, and much higher gain and S/N ratio means even more value. As a further feature, input impedance of 50 ohms removes the necessity for multi-couplers.

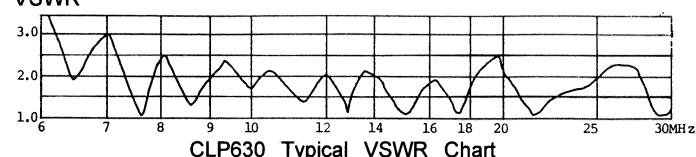
The reason for capability equal to that of full-sized models lies in the loading method, an outstanding approach which uses a high-quality loading circuit incorporated in the antenna element tips for minimum loss. And while the CD model CLP630 provides AM 2kW, SSB 4 kW standard operation, special techniques allow it also to be produced for performance at up to ten times those levels.

SPECIFICATIONS

CLP630

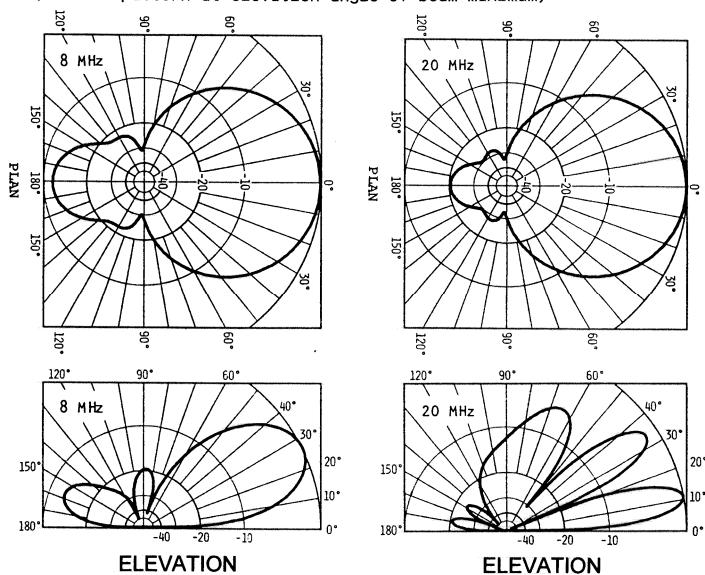
Frequency Range.....	6.3 to 30 MHz
Polarization.....	Horizontal
Forward Gain.....	(Above 9 MHz) 8~11dBi (Below 8 MHz) 7~ 9dBi
Front To Back Ratio.....	8~15 dB
Half Power Beam Width.....	60°~90°
RF Power Handling Capability (Ave/PEP)....	1.5/4 kW
Input Impedance.....	50 ohms
VSWR.....	(Above 7.5MHz) 2.5:1 (Below 7.3MHz) 3.0:1
Input Connector.....	Type -N
Longest Element Length.....	14.8 m
Boom Length.....	10.9m
Wind Loading Capability.....	45 m/s
Weight.....	85 Kg
Suggested Antenna Height.....	20 m/h
Recommended Rotator.....	Model RC5B

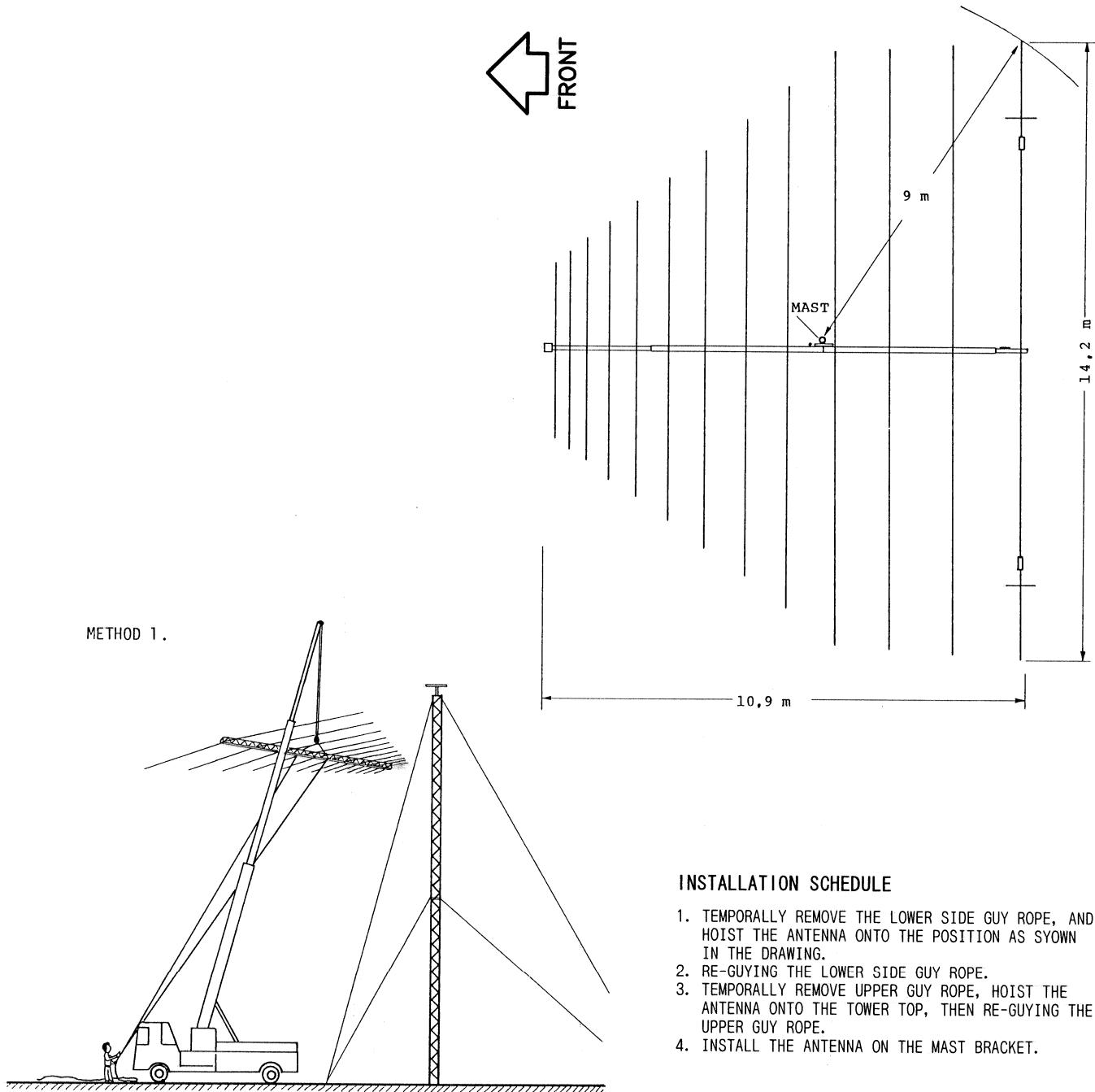
VSWR



RADIATION PATTERNS

(Azimuth pattern at elevation angle of beam maximum)





INSTALLATION SCHEDULE

1. TEMPORALLY REMOVE THE LOWER SIDE GUY ROPE, AND HOIST THE ANTENNA ONTO THE POSITION AS SHOWN IN THE DRAWING.
2. RE-GUYING THE LOWER SIDE GUY ROPE.
3. TEMPORALLY REMOVE UPPER GUY ROPE, HOIST THE ANTENNA ONTO THE TOWER TOP, THEN RE-GUYING THE UPPER GUY ROPE.
4. INSTALL THE ANTENNA ON THE MAST BRACKET.

