

The Scala CL-24 is a ruggedly built, horizontally polarized log-periodic antenna, designed for professional VHF-TV transmit and receive applications.

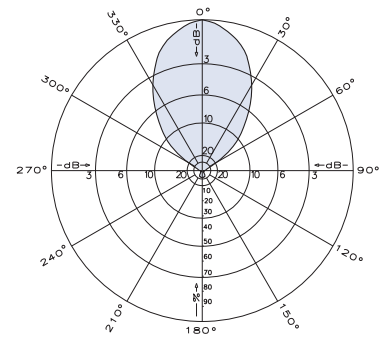
Like all Scala antennas, the CL-24 is made of the finest materials using state of the art electrical and mechanical designs resulting in superior performance and long service life.

The CL-24 may be used stand alone or in stacked arrays for higher gain, increased side-lobe suppression, or custom azimuth patterns.



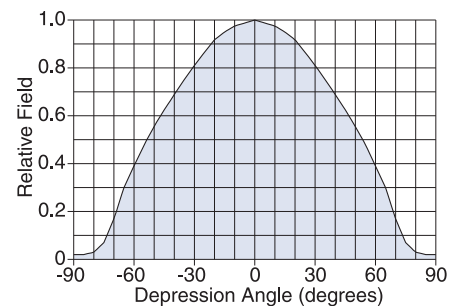
Specifications	
Frequency range	54—72 MHz (broadband)
Gain	8.2 dBd
Power gain	6.61
Impedance	50 or 75 ohms
VSWR	<1.5:1
Polarization	Horizontal
Front-to-back ratio	>25 dB
Maximum input power	250 watts, type "N" 75 ohm connector 500 watts, type "N" 50 ohm connector
H-plane beamwidth	76 degrees (half-power)
E-plane beamwidth	54 degrees (half-power)
Connector	N female (50 or 75 ohms)
Wind load at 100 mph (161 kph)	
Front	144 lbf (641 N)
Wind survival rating*	120 mph (193 kph)
Mounting	For masts of 2.375 inch (60 mm) OD.
CL-24/HCM	Center-mount
CL-24/HRM	Rear-mount

*Mechanical design is based on environmental conditions as stipulated in TIA-222-G-2 (December 2009) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. Contact KBU for further details.

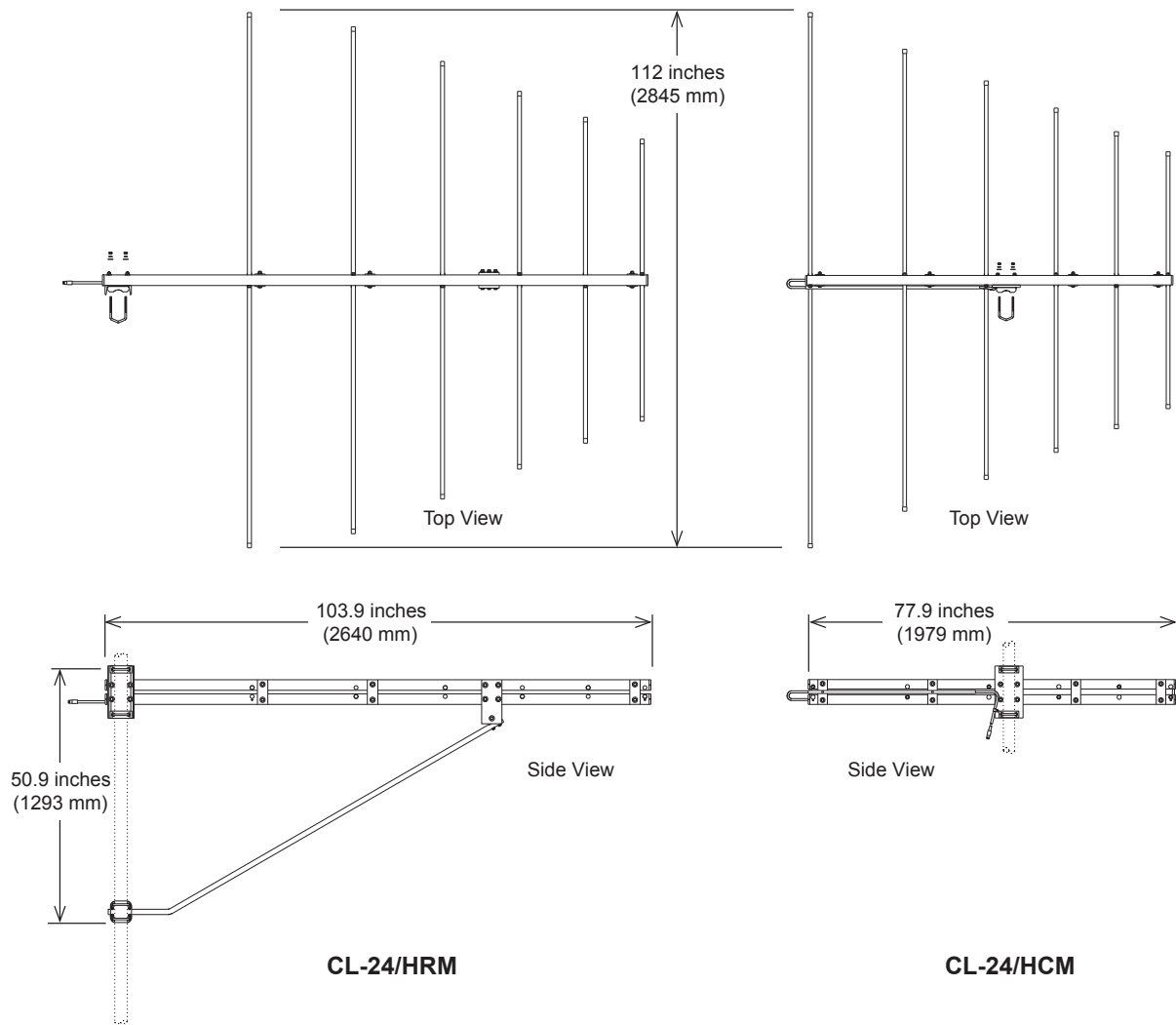


Azimuth pattern (E-plane)

	CL-24/HCM	CL-24/HRM
Weight	40 lb (18.2 kg)	50 lb (22.7 kg)
Dimensions	112 x 77.9 x 9.9 inches (2845 x 1979 x 252 mm)	112 x 103.9 x 50.9 inches (2845 x 2640 x 1293 mm)
Shipping dimensions	98 x 10 x 6 inches (2490 x 254 x 153 mm)	115 x 5 x 6 inches (2921 x 127 x 153 mm)
Shipping weight	45 lb (20.4 kg)	85 lb (38.6 kg)



Elevation pattern (H-plane)



CL-24/HRM

CL-24/HCM

Order information

Model	Description
CL-24/HCM/50N	Antenna with 50Ω N connector Horizontal polarization center-mount
CL-24/HCM/75N	Antenna with 75Ω N connector Horizontal polarization center-mount
CL-24/HRM/50N	Antenna with 50Ω N connector Horizontal polarization rear-mount
CL-24/HRM/75N	Antenna with 75Ω N connector Horizontal polarization rear-mount

30070 subject to alteration