



12 Element Vertically Polarized Log Periodic Antenna

Model LPD-12V

The rugged LPD-12V is built for harsh environments. This log antenna is broadband and has flat gain levels across the entire frequency range. The broadband design minimizes de-tuning caused by ice. The antenna is cantilever mounted for ease of installation. All mounting hardware is included to mount up to a 3" O.D. pipe. The antenna is aluminum, making it light weight and long lasting.

Electrical Specifications

Frequency Range - MHz	225-400	
Gain - dBic	10	
VSWR (max)	1.75:1	
Polarization	RHCP	
Half Power Beamwidth - °	E-Plane	40
	H-Plane	60
F/B RATIO - dB	>30	
Impedance - Ω	50	
Power rating - W	500	
Connector Type	N Female	
Operational Temp – C (F)	-40 to +80 (-40 to +176)	

Mechanical Specifications

Length - in (cm)	79.5 (201.9)	
Number of Elements	12	
Longest Element- in (cm)	26.75 (67.95)	
Weight - lbs (kg)	14.0 (6.4)	
Mounting – in (cm)	3 (7.8)	

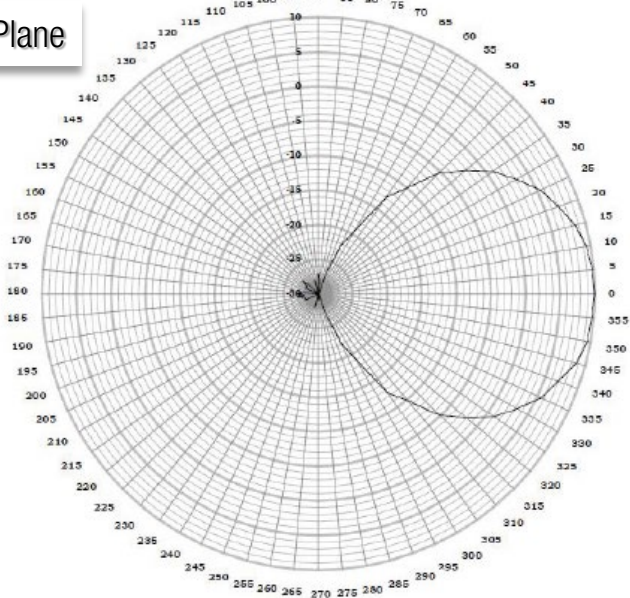
Wind Load Specifications

Wind Area – sq. ft.	No Ice	1.38
	½" Radial Ice	2.35
Win Load – ft.-lbs	No Ice	134
	½" Radial Ice	64

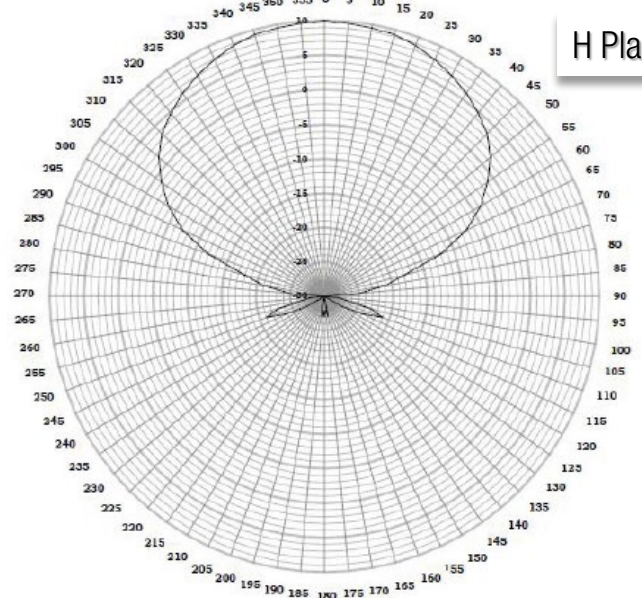
*Wind Speed = 100 MPH at sea level with %100 Humidity at 70° F
 **Wind Speed = 50 MPH at sea level with %100 Humidity at 0° F

PATTERNS

E Plane



H Plane



TACO Antenna's ongoing policy of continuing development may result in specification changes to its products.

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