

# **LPH 30/24**



The LPH-30, and LPH-24 rotatable log periodic antennas provide excellent reliability in medium to long range HF communications circuits.

### FEATURES

The rotatable LP has high gain, azimuth selection, high power capability and allows communications between a fixed station and mobile stations such as ships, aircraft, or tactical deployments.

## **CHARACTERISITICS**

The antennas consist of tubular step-tapered aluminum elements and a horizontal aluminum boom supported atop a galvanized steel rotating mast. The twin-guyed galvanized steel towers restrain the mast laterally. A base-mounted rotator supports and rotates the mast and array. A rotary joint allows continuous rotation.

**EQUIPMENT SUPPLIED** 

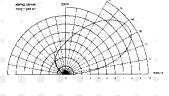
Array, mast, twin towers and guys, rotator remote control, rotary joint, anchors, and erection kit without winch.

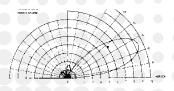
**OPTIONAL EQUIPMENT** 

#### **ROTATABLE**

**HORIZONTAL POLARIZATION** 

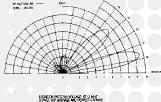
**LOG PERIODIC** 

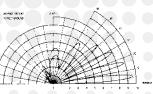




SLEVANION PATTERNING, TASE, AT 6 MHZ CURVES HIS AVERAGE AND PERFECT GROUN







#### SPECIFICATIONS

GAIN	13 dBi
BACK AND SIDE LOBE	20 dB nom, 14 dB min
POWER CAPABILITY	25 kW avg./50 kW PEP
INPUT IMPEDANCE	50 Ohms unbalanced
AZIMUTH BEAM WIDTH	Typically 65
VSWR	2:1 maximum
INPUT CONNECTOR	1-%" EIA
WIND LOADING	120 mph or 80 mph with ¼" ice

1	MODEL	LPH-30	LPH-24	•
	FREQUENCY RANGE	6-30 MHz	4-30 MHz	
	ROTATION SPEED	.5 rpm	.3 rpm	
	MAXIMUM HEIGHT (H)	87 ft	87 ft	
	BOOM LENGTH (L)	66 ft	116 ft	
	LONGEST ELEMENT (E)	82 ft	123 ft	
	TURNING RADIUS (R)	57 ft	72.5 ft	
	SHIPPING WEIGHT (lbs.)	9,000	14,000	
	SHIPPING VOLUME (cu. ft)	580	700	
	MILITARY NOMENCLATURE	-	AS-2978/GRC	