



## HIGH BAND HORIZONTAL PAIR ARRAY MODEL:

- WL 7-13/HP

### *HORIZONTAL PAIR*

The horizontal pair has been engineered for maximum forward gain with optimum side lobe performance. The narrow horizontal beam width reduces the effect of man-made noise, co-channel and other sources of interference off the main beam. Where specific sources of interference can be identified, a custom designed array may reduce the level of interference even further.

## SPECIFICATIONS:

### ELECTRICAL

Specification	WL 7-13/HP
FREQUENCY RANGE	174-216 MHz
CHANNELS	7 To 13
GAIN	14.5 dBi
IMPEDANCE	75 Ohm
VSWR	<1.3:1
FR:BK RATIO	>25 dB
POLARIZATION	H or V
H. BEAM WIDTH	22 deg.
V. BEAM WIDTH	70 deg.
SIDE LOBE SUPPRESSION	
FIRST SIDE LOBE	15 dB
ALL OTHERS*	>30 dB
CONNECTORS**	"F" Connector
STD. MOUNT	1/2" U-Bolts to Fit 3" O.D. Pipe

\*These standard arrays have been designed for maximum forward gain and best overall sidelobe performance. where interfering signals such as co-channel, adjacent channel and ghosting are present, custom arrays can be designed to significantly reduce the level of interference.

### WIND AND ICE LOADING

Specification	WL 7-13/HP
BOOM LENGTH	96 "
WEIGHT (LBS):	
NO ICE*	140
1" RADIAL ICE**	436
WIND LOAD (LBS):	
NO ICE*	135
1" RADIAL ICE**	150
WIND TORQUE (Ft-Lbs):	
NO ICE*	736
1" RADIAL ICE**	590

\*WIND SPEED 100 MPH

\*\*HALF WIND 50 MPH

DIMENSIONS - SEE SINGLE HIGH BAND ANTENNA SPECIFICATIONS.

A qualified structural engineer should be consulted prior to mounting an antenna on a tower or a support structure.

### Wade Antenna, Inc.

29 Sharp Road  
Brantford, Ontario, N3T 5L8 Canada  
Tel: 519.756.7157  
Fax: 519.756.5056

(800) 463-1607  
sales@wadeantenna.com

www.wadeantenna.com