

1.8 Meter Prime Focus, TxRx High Wind Antenna



Your Trusted Source for Satellite Equipment

P180HW

Electrical	Ku-Band	C-Band
Antenna Size	1.8m (71.0")	1.8m (71.0")
Operating Frequency (GHz)	10.95–12.75 GHz Rx 13.75–14.50 GHz Tx	3.625–4.200 GHz Rx 5.850–6.425 GHz Tx
Midband Gain (\pm .2dB)	45.20 dBi (Rx) 46.70 dBi (Tx)	35.50 dBi (Rx) 39.50 dBi (Tx)
Polarization	Linear	Circular or Linear
Feed Interface	WR75	Type N or WR137 Tx; WR229 Rx
Cross-Polarization	-30 dB on axis	-30 dB within B.P.E.
Axial Ratio	N/A	1.3 VAR (2.28 dB)
VSWR	1.3:1 Max.	1.3:1 Max
 Mechanical		
Reflector Material	Glass Fiber Reinforced Polyester SMC	
Antenna Optics	Offset Fed, Prime Focus	
Mast Pipe Size	6" SCH 40 Pipe (6.62" OD) 16.83 cm.	
Azimuth Adjustment Range	360° Continuous Coarse Adjust, \pm 10° Fine Adjustment	
Elevation Adjustment Range	15° - 80° Continuous Fine Adjust	
 Environmental Performance		
Wind Loading	Operational	65mph (104km/h) with 0.5dB loss @ 14.25GHz 75mph (120km/h) with 1.0 dB loss @ 14.25GHz; 75mph (120km/h) with 0.5 dB loss @ 6.14GHz 90mph (145km/h) with 1.0 dB loss @ 6.14GHz
	Survival	150mph (240km/h)
Temperature	Operational	-40° to 140° F (-40° to 60° C)
	Survival	-50° to 160° F (-46° to 71° C)
Atmospheric Conditions	Salt, Pollutants and Contaminants as Encountered in Coastal Industrial Areas	
Solar Radiation	360 BTU/h/ft ²	

HIGH WIND_P180HW_KU-CC-CL_PF_REV002
Specifications are subject to change without notice

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