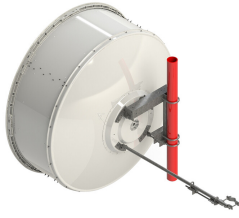


# VHLP6-7W-4WH/D



1.8 m | 6 ft ValuLine® High Performance Low Profile Antenna, single-polarized, 7.125–8.500 GHz, PDR84, white antenna, flexible woven polymer gray radome without flash, standard pack—one-piece reflector

## Product Classification

<b>Product Type</b>	Microwave antenna
<b>Product Brand</b>	ValuLine®

## General Specifications

<b>Antenna Type</b>	VHLP - ValuLine® High Performance Low Profile Antenna, single-polarized
<b>Polarization</b>	Single
<b>Antenna Input</b>	PDR84
<b>Antenna Color</b>	White
<b>Reflector Construction</b>	One-piece reflector
<b>Radome Color</b>	Gray
<b>Radome Material</b>	Polymer
<b>Flash Included</b>	No
<b>Side Struts, Included</b>	1
<b>Side Struts, Optional</b>	1 inboard

## Dimensions

<b>Diameter, nominal</b>	1.8 m   6 ft
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## Electrical Specifications

<b>Operating Frequency Band</b>	7.125 – 8.500 GHz
<b>Boresite Cross Polarization Discrimination (XPD)</b>	32 dB
<b>Beamwidth, Horizontal</b>	1.5 °
<b>Beamwidth, Vertical</b>	1.5 °
<b>Electrical Compliance</b>	Brazil Anatel Class 3   Canada SRSP 307.1   Canada SRSP 307.7 Part B   ETSI 302 217 Class 3

## Mechanical Specifications

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<b>Compatible Mounting Pipe Diameter</b>	115 mm–120 mm   4.5 in–4.7 in
<b>Fine Azimuth Adjustment Range</b>	±15°
<b>Fine Elevation Adjustment Range</b>	±5°
<b>Wind Speed, operational</b>	180 km/h   111.847 mph
<b>Wind Speed, survival</b>	250 km/h   155.343 mph

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## Antenna Dimensions and Mounting Information



Dimensions in inches (mm)						
Antenna size, ft (m)	A	B	C	D	E	F
6 (1.8)	74.8 (1899)	13.4 (340)	47.5 (1206)	22.4 (570)	39.4 (1001)	6.9 (174)

## Wind Forces at Wind Velocity Survival Rating

<b>Axial Force (FA)</b>	10670 N   2,398.712 lbf
<b>Angle <math>\alpha</math> for MT Max</b>	-120 °
<b>Side Force (FS)</b>	5286 N   1,188.34 lbf
<b>Twisting Moment (MT)</b>	4752 N-m   42,058.742 in lb
<b>Zcg without Ice</b>	363 mm   14.291 in
<b>Zcg with 1/2 in (12 mm) Radial Ice</b>	543 mm   21.378 in
<b>Weight with 1/2 in (12 mm) Radial Ice</b>	234 kg   515.881 lb

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## Wind Forces at Wind Velocity Survival Rating Image



## Packaging and Weights

<b>Height, packed</b>	2110 mm   83.071 in
<b>Width, packed</b>	450 mm   17.717 in
<b>Length, packed</b>	1900 mm   74.803 in
<b>Packaging Type</b>	Standard pack
<b>Volume</b>	1.8 m <sup>3</sup>   63.566 ft <sup>3</sup>
<b>Weight, gross</b>	127 kg   279.987 lb
<b>Weight, net</b>	86 kg   189.597 lb

## Regulatory Compliance/Certifications

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Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## \* Footnotes

<b>Operating Frequency Band</b>	Bands correspond with CCIR recommendations or common allocations used throughout the world. Other ranges can be accommodated on special order.
<b>Boresite Cross Polarization Discrimination (XPD)</b>	The difference between the peak of the co-polarized main beam and the maximum cross-polarized signal over an angle twice the 3 dB beamwidth of the co-polarized main beam.
<b>Wind Speed, operational</b>	For VHLP(X), SHP(X), HX and USX antennas, the wind speed where the maximum antenna deflection is 0.3 x the 3 dB beam width of the antenna. For other antennas, it is defined as a deflection is equal to or less than 0.1 degrees.
<b>Wind Speed, survival</b>	The maximum wind speed the antenna, including mounts and radomes, where applicable, will withstand without permanent deformation. Realignment may be required. This wind speed is applicable to antenna with the specified amount of radial ice.
<b>Axial Force (FA)</b>	Maximum forces exerted on a supporting structure as a result of wind from the most critical direction for this parameter. The individual maximums specified may not occur simultaneously. All forces are referenced to the mounting pipe.
<b>Side Force (FS)</b>	Maximum side force exerted on the mounting pipe as a result of wind from the most critical direction for this parameter. The individual maximums specified may not occur simultaneously. All forces are referenced to the mounting pipe.
<b>Twisting Moment (MT)</b>	Maximum forces exerted on a supporting structure as a result of wind from the most critical direction for this parameter. The individual maximums specified may not occur simultaneously. All forces are referenced to the mounting pipe.
<b>Packaging Type</b>	Andrew standard packing is suitable for export. Antennas are shipped as standard in totally recyclable cardboard or wire-bound crates (dependent on product). For your convenience, Andrew offers heavy duty export

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packing options.