

HP4-82-P3A/A



1.2 m | 4 ft High Performance Parabolic Shielded Antenna, single-polarized, 8.200–8.500 GHz, CPR112G, gray antenna, enhanced white radome with flash, standard pack—one-piece reflector

OBSOLETE

This product was discontinued on: February 1, 2019

Replaced By:

VHLP4-7W-6WH/E

1.2 m | 4 ft ValuLine® High Performance Low Profile Antenna, single-polarized, 7.125–8.500 GHz, CPR112G, white antenna, flexible woven polymer gray radome without flash, standard pack—one-piece reflector

Product Classification

Product Type

Microwave antenna

General Specifications

Antenna Type	HP - High Performance Parabolic Shielded Antenna, single-polarized
Diameter, nominal	1.2 m 4 ft
Packing	Standard pack
Radome Color	White
Radome Material	Enhanced
Reflector Construction	One-piece reflector
Antenna Input	CPR112G
Antenna Color	Gray
Antenna Type	HP - High Performance Parabolic Shielded Antenna, single-polarized
Diameter, nominal	1.2 m 4 ft
Flash Included	Yes
Polarization	Single

Electrical Specifications

Operating Frequency Band	8.200 – 8.500 GHz
Operating Frequency Band	8.200 – 8.500 GHz

Mechanical Specifications

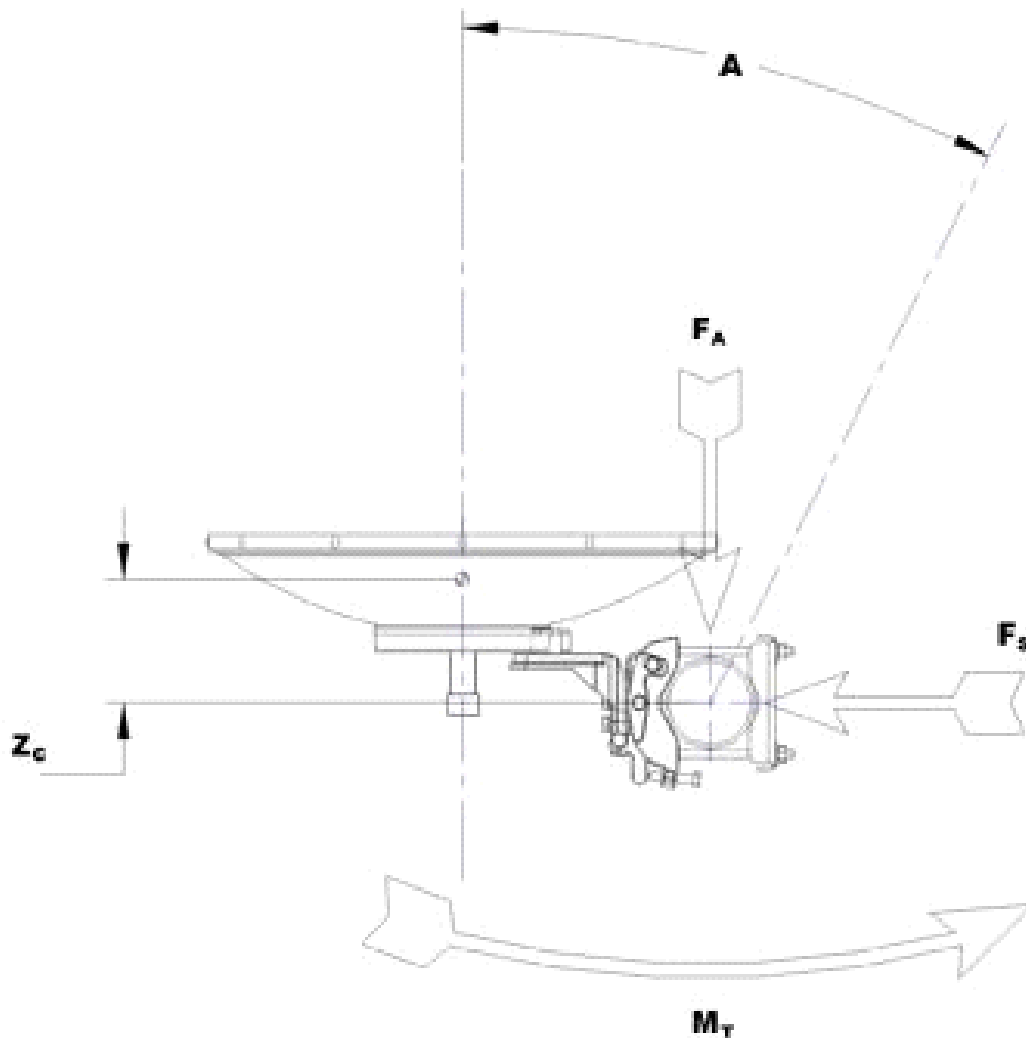
HP4-82-P3A/A

Fine Azimuth Adjustment	±15°
Fine Elevation Adjustment	±20°
Mounting Pipe Diameter	115 mm 4.5 in
Net Weight	69 kg 152 lb
Side Struts, Included	1 inboard
Side Struts, Optional	1 inboard
Wind Velocity Operational	110 km/h 68 mph
Wind Velocity Survival Rating	200 km/h 125 mph

Wind Forces At Wind Velocity Survival Rating

Angle α for MT Max	-130 °
Axial Force (FA)	3158 N 710 lbf
Side Force (FS)	1546 N 348 lbf
Twisting Moment (MT)	1072 N-m 791 ft lb
Weight with 1/2 in (12 mm) Radial Ice	356 kg 784 lb
Zcg with 1/2 in (12 mm) Radial Ice	524 mm 21 in
Zcg without Ice	335 mm 13 in

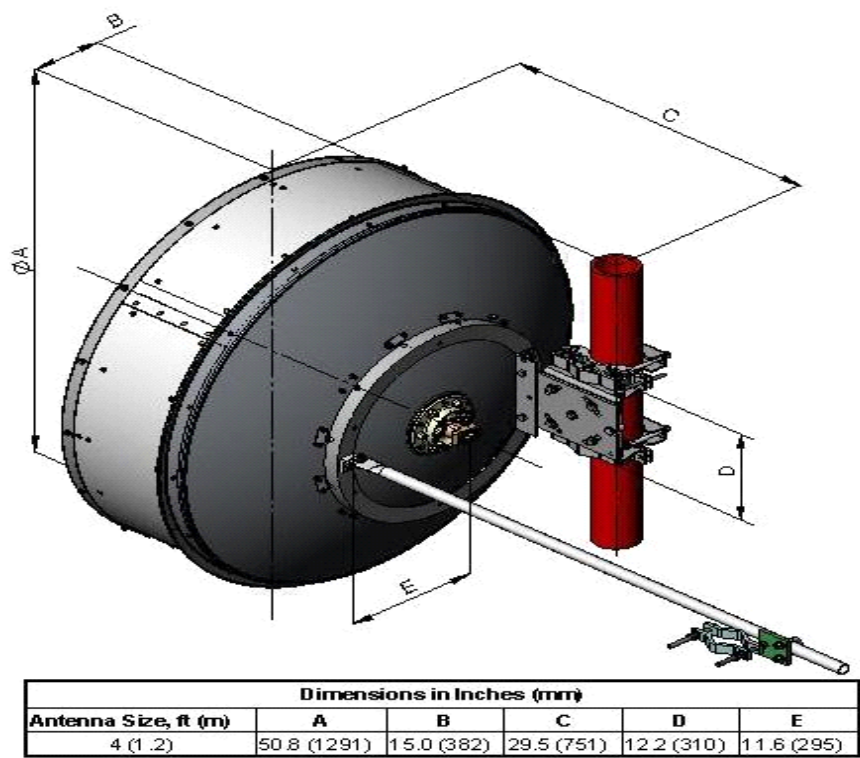
Wind Forces At Wind Velocity Survival Rating Image



Packed Dimensions

Gross Weight, Packed Antenna	168.0 kg 370.4 lb
Height	840.0 mm 33.1 in
Length	1430.0 mm 56.3 in
Volume	1.7 m ³
Width	1430.0 mm 56.3 in

Antenna Dimensions And Mounting Information



Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



* Footnotes

Axial Force (FA)	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.
Operating Frequency Band	Bands correspond with CCIR recommendations or common allocations used throughout the world. Other ranges can be accommodated on special order.
Packing	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 packing options.

Side Force (FS)

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.

Twisting Moment (MT)

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.

Wind Velocity Operational

The wind speed where the antenna deflection is equal to or less than 0.1 degrees. In the case of ValuLine antennas, it is defined as a maximum deflection of 0.3 x the 3 dB beam width of the antenna.

Wind Velocity Survival Rating

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.