HPD8-8

2.4 M | 8 FT HIGH PERFORMANCE PARABOLIC REFLECTOR ANTENNA, DUAL-POLARIZED, 7.75-8.5GHZ

The HP High Performance Series by RadioWaves offers a full line of high performance parabolic antennas engineered to provide ETSI class 2/3 radiation pattern performance as well as excellent gain. RadioWaves field-proven pre-assembled antennas and robust pole-mounts ensure “set and forget” installation with minimal post-installation maintenance. The included radome ensures robust and reliable performance under the most challenging conditions. If it’s rugged, it must be RadioWaves!



FEATURES AND BENEFITS

- High Performance ETSI Class 2/3* Parabolic Antennas – Excellent performance for a wide range of applications
- Fully Preassembled at the Factory – Simplifies installation on site and guarantees “factory-tested” quality
- Warranty – Industry leading 7-year warranty

*ETSI Class depends on frequency band

SPECIFICATIONS

General

Antenna Type	High Performance Parabolic Reflector Antenna
Size, nominal	8 ft | 2.4 m
Polarization	Dual

Standard RF Connector Type	CPR112G
Standard RF Connector Suffix	RS (append suffix to model number)

Electrical

Operating Frequency Band	7.75 - 8.5 GHz
Half Power Beamwidth, Horizontal	1.1 degrees
Half Power Beamwidth, Vertical	1.1 degrees
Cross-Polarization Discrimination	30 dB
Front to Back Ratio (F/B)	68 dB

Gain, Low Frequency	42.5 dBi
Gain, Mid Frequency	42.9 dBi
Gain, High Frequency	43.3 dBi
VSWR	1.37:1
Return Loss	-16.1 dB

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Mechanical

Fine Azimuth Adjustment	+/- 5 degrees
Fine Elevation Adjustment	+/- 5 degrees
Mounting Pipe Diameter, Min	4.5 inch | 11.4 cm
Mounting Pipe Diameter, Max	4.5 inch | 11.4 cm
Net Weight	424 lbs | 194.5 kg
Wind Velocity Operational	90 mph | 145 km/h
Wind Velocity Survival Rating	125 mph | 201 km/h

Mechanical Configuration	HP8
Axial Force (FA)	2773 lbs | 12334 N
Side Force (FS)	1422 lbs | 6325 N
Twisting Moment (MT)	4400 ft-lbs | 5965 Nm
Operating Temperature Range	-40 to +60 C
Max Pressure, PSIG, (if waveguide interface)	5

Regulatory Compliance

FCC	undeclared
Industry Canada Compliance	SRSP307.7 A

ETSI	302217 R1 C3
RoHS-compliant	Yes

Shipping Information

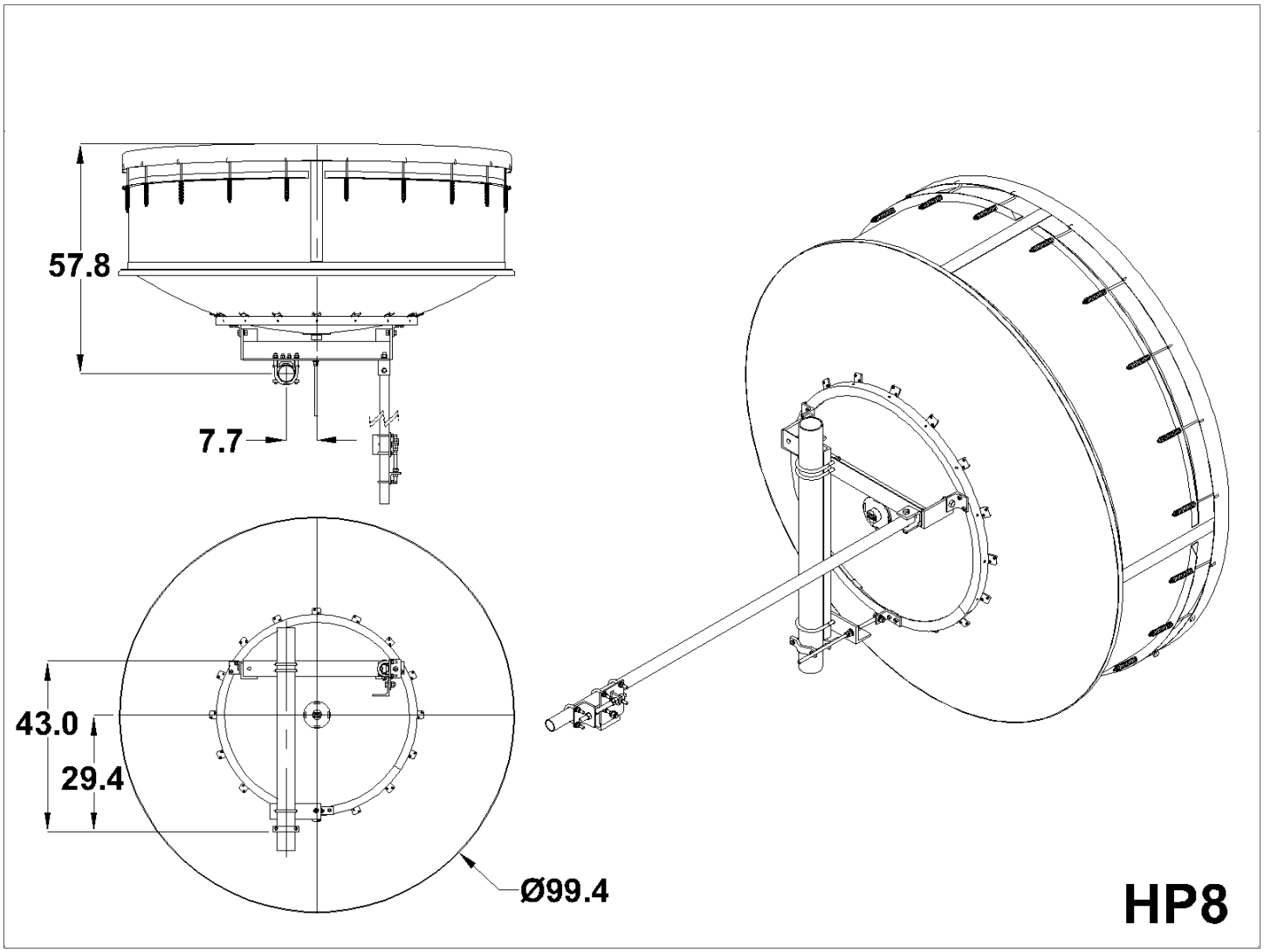
Package Type	Wood Crate
Gross Weight	1122 lbs | 508.9 kg

Dimensions, L x W x H	105 x 63 x 95in | 249 x 203 x 218 cm
Shipping Volume	363.67 cu ft | 10.3 cu m

*Additional OEM interfaces and adapters may be available. Contact RadioWaves for a complete and current list of available adapters.

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TECHNICAL DRAWINGS



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