SHP8-5.9

2.4 M | 8 FT SUPER HIGH PERFORMANCE PARABOLIC REFLECTOR ANTENNA, SINGLE-POLARIZED, 5.925-6.425GHZ

The SHP Ultra High Performance Series by RadioWaves offers ultra high performance parabolic antennas engineered to provide ETSI class 3 radiation pattern performance, with exceptional front/back ration as well as excellent gain. SHP Parabolics include high performance radomes. RadioWaves field-proven antennas and robust pole-mounts ensure “set and forget” installation with minimal post-installation maintenance. If it’s rugged, it must be RadioWaves!



FEATURES AND BENEFITS

- High Performance ETSI Class 3 Parabolic Antennas with exceptional front/back ratio – Excellent performance for a wide range of applications
- Simple Assembly – Minimal required assembly simplifies installation on site and guarantees “factory-tested” quality
- Warranty – Industry leading 7-year warranty

SPECIFICATIONS

General

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

Standard RF Connector Type	CPR137G
Standard RF Connector Suffix	RS (append suffix to model number)

Electrical

Operating Frequency Band	5.925 - 6.425 GHz
Half Power Beamwidth, Horizontal	1.5 degrees
Half Power Beamwidth, Vertical	1.5 degrees
Cross-Polarization Discrimination	30 dB
Front to Back Ratio (F/B)	76 dB

Gain, Low Frequency	41.3 dBi
Gain, Mid Frequency	41.7 dBi
Gain, High Frequency	42.1 dBi
VSWR	1.22:1
Return Loss	-20 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	SHP8
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	Part 101 Cat. A
Industry Canada Compliance	SRSP305.9 A

ETSI	302217 R1 C2
RoHS-compliant	Yes

Shipping Information

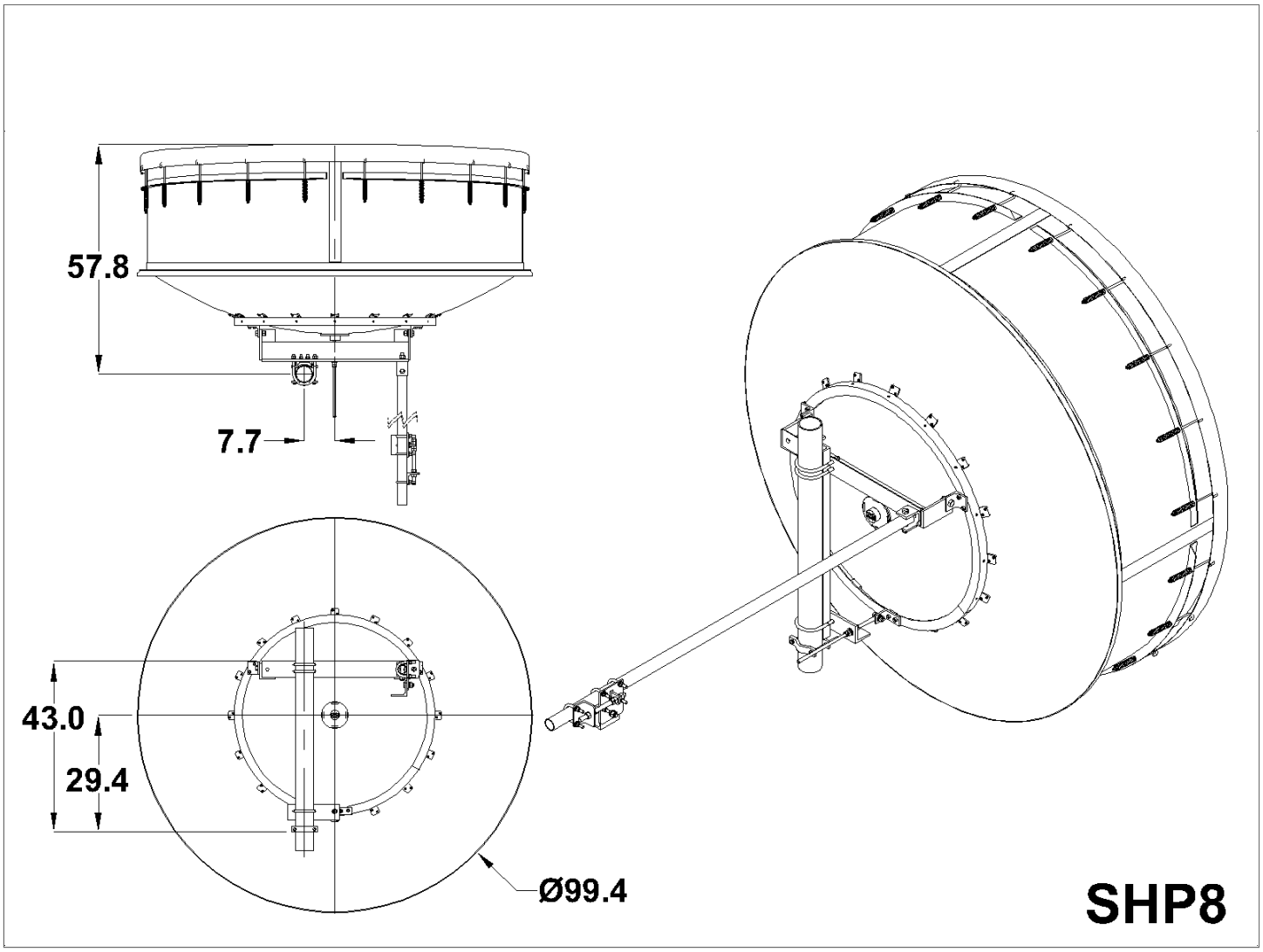
Package Type	Wood Crate
Gross Weight	1122 lbs | 508.9 kg

Dimensions, L x W x H	105 x 63 x 95in | 249 x 203 x 218 cm
Shipping Volume	363.7 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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