

## TrunkLine Antenna, High Performance, Single Polarized, 8 ft

RFS TrunkLine Antennas are designed for microwave backbone networks, long distance, high capacity links

A choice between tested and validated ultra-high (ETSI EN 302 217 Class 3 and FCC Class A) electrical performance or high (ETSI Class 2 and FCC Class B) performance

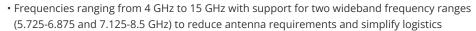
Sizes ranging from 1.8 m (6 ft) to 4.6 m (15 ft)

Single- and dual-polarized models with the ability to upgrade from single to dual polarization and change frequencies in the field in most cases

#### FEATURES / BENEFITS

- Field-proven reliability and long life
- Support for winds up to 200 km/h (125 mph) with high-wind versions that support winds up to 252 km/h (155 mph) and an optional sway bar for added assurance in case mistakes are made during installation







Antenna

## **Technical features**

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Product Type	Point to point antennas					
Profile	TrunkLine					
Performance	High					
Polarization	Single					
Antenna Input	CPR137G					
Reflector	2-parts					
Radome	flexible					
Antenna color	White RAL 9010					
Swaybar	1: (3.0 m x Ø60 mm)					

### **ELECTRICAL SPECIFICATIONS**

Frequency	GHz	6.425 - 7.125
3dB beamwidth	degrees	1.3
Low Band Gain	dBi	41.9
Mid Band Gain	dBi	42.3
High Band Gain	dBi	42.8
F/B Ratio	dB	66
XPD	dB	30
Max VSWR / R L	VSWR / dB	1.06 (30.7)
Regulatory Compliance		ETSI EN 302217 Range 1, class 2 FCC Category A

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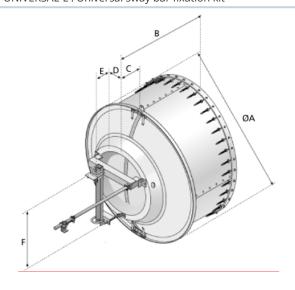
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MECHANICAL SPECIFICATIONS		
Diameter	ft (m)	8 (2.4)
Elevation Adjustment	degrees	± 5
Azimuth Adjustment	degrees	± 5
Polarization Adjustment	degrees	± 5
Mounting Pipe Diameter minimum	mm (in)	114 (4.5)
Mounting Pipe Diameter maximum	mm (in)	114 (4.5)
Approximate Weight	kg (lb)	180 (396)
Survival Windspeed	km/h (mph)	200 (125)
Operational Windspeed	km/h (mph)	190 (118)
STRUCTURE		
Radome Material		PVC coated fabric

FURTHER ACCESSORIES						
optional Swaybar	1: SMA-SK-60-3000A (3.0 m x Ø60 mm)					
Further Accessories	SMA-WK-8 : Wind Kit SMA-SKO-UNIVERSAL-L : Universal sway har fixation kit					

## MOUNTOUTLINE

Dimension_A	mm (in)	2616 (103.4)
Dimension_B	mm (in)	1450 (57.1)
Dimension_C	mm (in)	460 (18.1)
Dim_D- 114mm(4.5_in)Pipe	mm (in)	190 (7.5)
Dimension_E	mm (in)	310 (12.3)
Dimension_F	mm (in)	1120 (44.1)

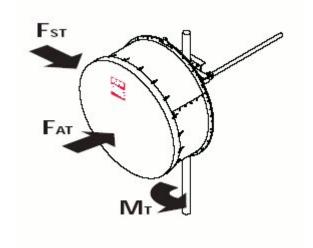


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WINDLOAD		
Fs Side force max. @ survival wind speed	N (lb)	6350 (1422)
M Torque maximum @ survival wind speed Nm (ft lb)	Nm (lb ft)	5960 (4400)
Fa Axial force max. @ survival wind speed	N (lb)	12380 (2773)



## **External Document Links**

HTT81-221-15e RPE (IQ-Link format) RPE (PDF format) RPE (Pathloss format) Notes

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