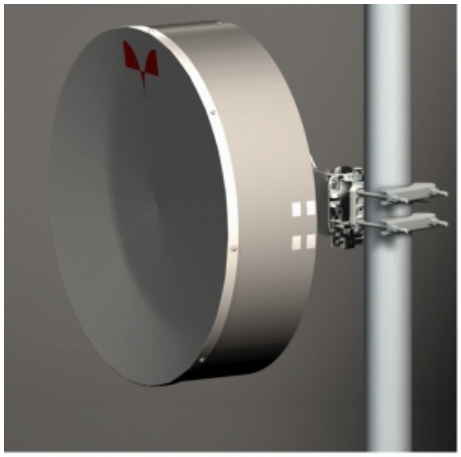
Antenna THP08-177S

Antenna THP08-177S



General Specifications

Diameter	0.8m
Standard Colour	RAL 7035
Shroud	Low profile
Antenna Input	Interface for IEC wave guide R 220
Polarization	Single

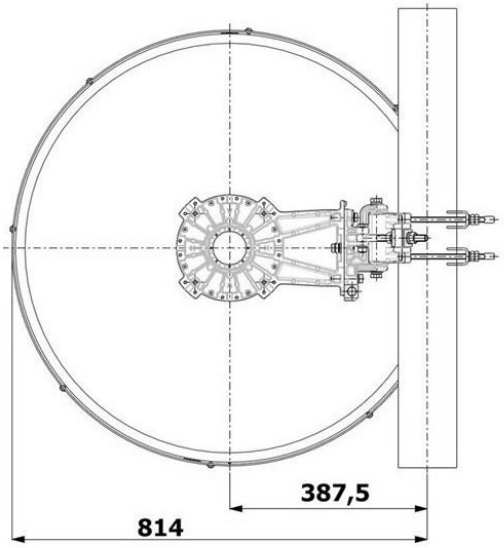
Mechanical Characteristics

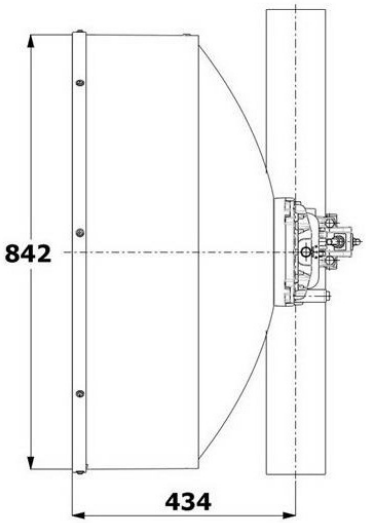
Pole	115 mm
Elevation-fine adjustment	+/- 15 deg
Azimuth-fine adjustment	+/- 20 deg
Side struts, included	0
Side struts, optional	1
Net weight	17 Kg
Radome	Rigid plastic
Wind velocity Operational	30 m/s (with optional strut Kit 45 m/s)
Wind velocity Survival	70 m/s
Wind deflection	<0.3 times the -3 dB beam width
(with a wind velocity of 30 m/s)	Specified wind deflection applies for 115 mm dia mounting pipe only

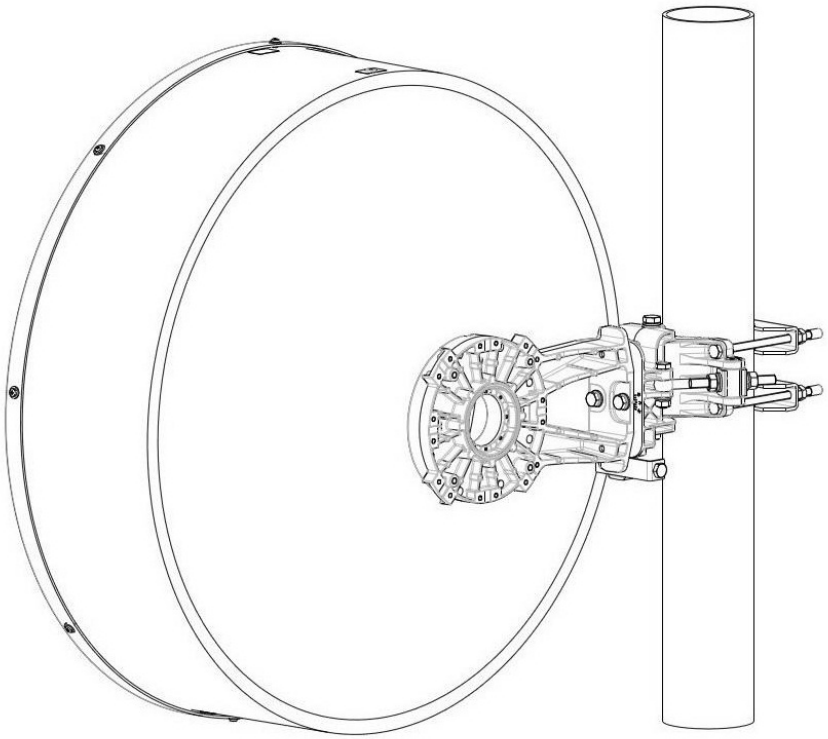
Antenna Dimensions

(pole mount included)

Height	842 mm
Width	814 mm
Depth	434 mm







Wind forces at wind velocity survival rating and with 25 mm (1") ice load

Axial force	2230 N
Side force	1105 N
Twisting Moment	821 N m

Maximum forces exerted on a supporting structure as a result of wind (survival rating) from the most critical direction for each parameter. These values may not occur simultaneously. All forces are refered to the mounting pipe of 115 mm diameter.

Electrical Characteristics

Frequency range	17.7 - 19.7 GHz
Gain, low band	41.3 dBi
Gain, mid band	42.1 dBi
Gain, top band	42.4 dBi
Return Loss	17.7 dB
VSWR	1.3
HPBW	1.6 deg
Front to back ratio	70.0 dB
Isolation	NA
XPD	30.0 dB
Electrical Compliance	ETSI 302 217 Class 3 ; Anatel Ato 932 Class 3
	FCC 101.115A

Shipping Information

Gross weight	23 Kg
Height	520 mm
Depth	920 mm
Width	930 mm

faini telecommunication systems	RADIATION PATTERN ENVELOPE ANTENNA TYPE THP 08-177	1792

Issued on 24-05-2024 .....

FREQUENCY BAND: 17700 to 19700 MHz
DIAMETER: 0.8 m

