Antenna THP 08-0525 D

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General Specifications

Diameter	0.8m
Standard Colour	RAL 7035
Shroud	Low profile
Antenna Input	Interface for N Connector
Polarization	Dual

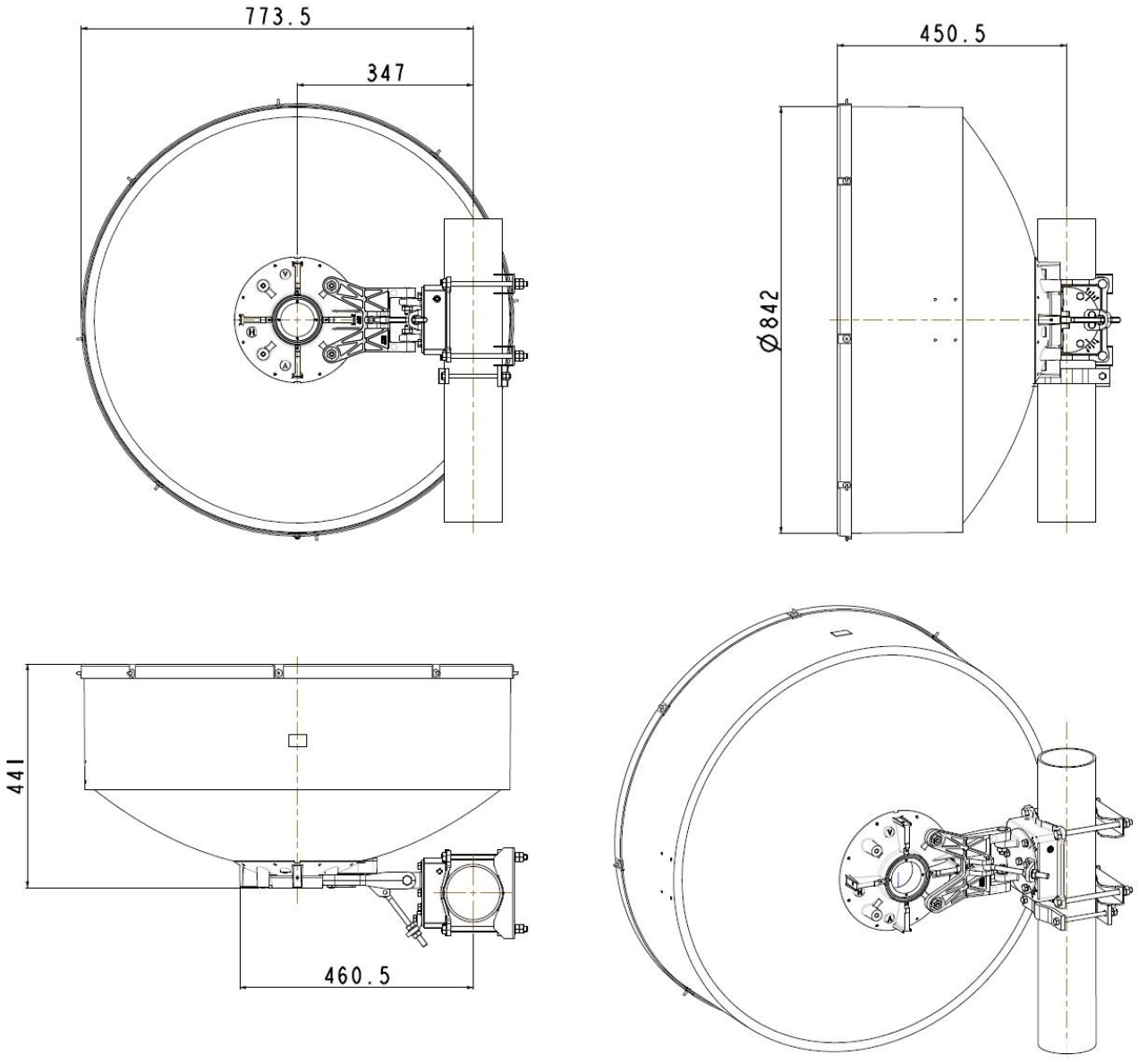
Mechanical Characteristics

Pole	114 mm
Elevation-fine adjustment	± 20°
Azimuth-fine adjustment	± 10°
Side struts, included	0
Side struts, optional	1
Net weight	17.5 Kg
Radome	Rigid plastic
Wind velocity Operational	30 m/s
Wind velocity Survival	70 m/s
Wind deflection	<0.3 times the -3 dB beamwidth
(with a wind velocity of 30 m/s)	Specified wind deflection applies for 114 mm dia mounting pipe only

Antenna Dimensions

(pole mount included)

Height	842.0 mm
Width	842.0 mm
Depth	441.0 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 referred to the mounting pipe of 114 mm diameter

Electrical Characteristics

Frequency range	5.25 - 5.85 GHz
Gain, low band	29.8 dBi
Gain, mid band	30.1 dBi
Gain, top band	30.5 dBi
Return Loss	14.0 dB
VSWR	1.5
HPBW	4.8°
Front to back ratio	51 dB
Isolation	35 dB
XPD	30.0 dB
Electrical Compliance	Class 2
	ETSI 302 217

Shipping Information

Gross weight	26 kg
Height	700 mm
Depth	920 mm
Width	930 mm

faini telecommunication systems	RADIATION PATTERN ENVELOPE ANTENNA TYPE THP 08-0525	1620

