Antenna THP 06-142 DI

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General Specifications

Diameter	0.6m
Standard Colour	RAL 7035
Shroud	Low profile
Antenna Input	Interface for IEC waveguide R 140
Polarization	Dual

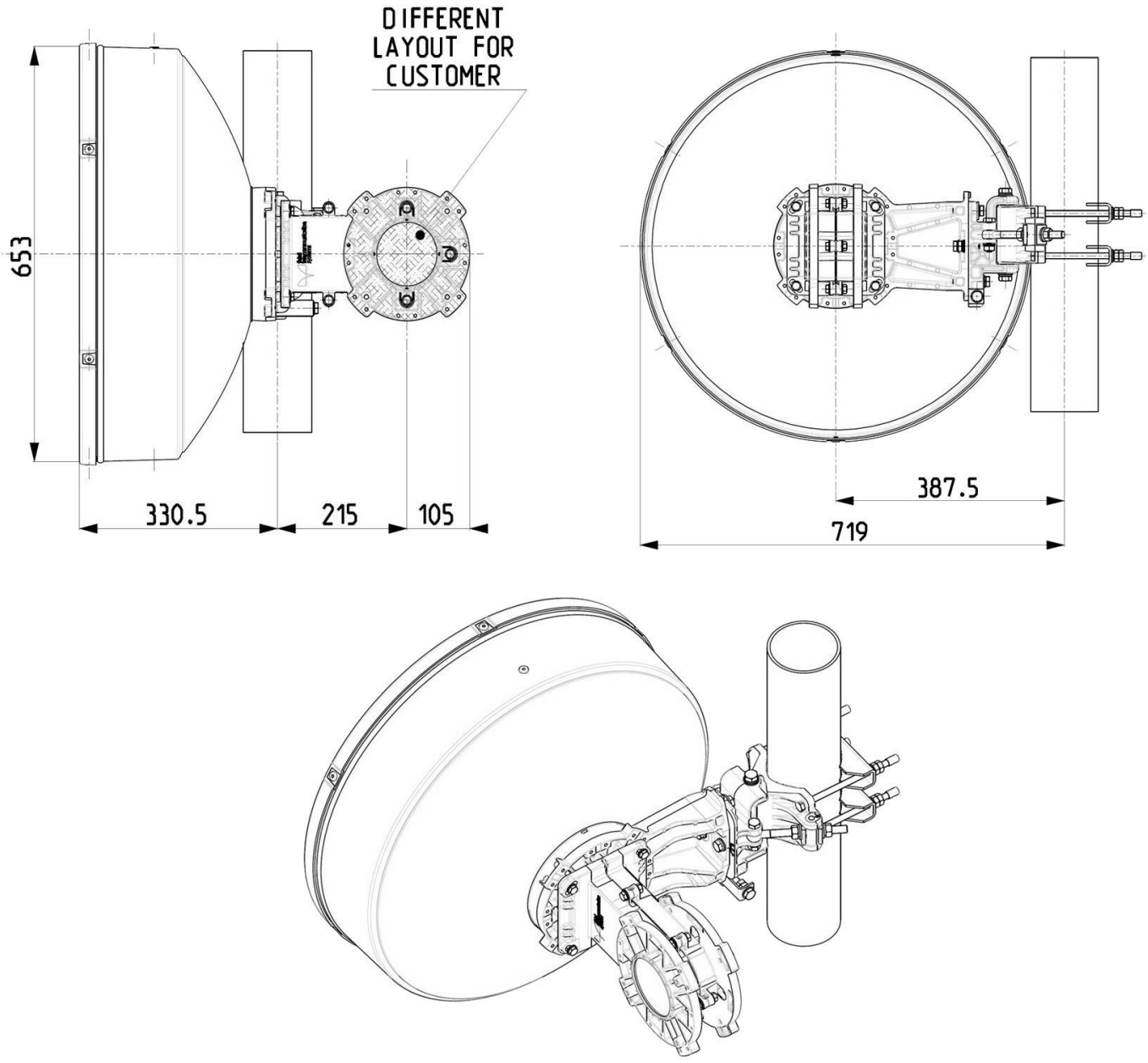
Mechanical Characteristics

Pole	50-115 mm
Elevation-fine adjustment	+/- 15 deg
Azimuth-fine adjustment	+/- 20 deg
Side struts, included	0
Side struts, optional	0
Net weight	16 Kg
Radome	Rigid plastic
Wind velocity Operational	180 Km/h
Wind velocity Survival	250 Km/h
Wind deflection	<0.3 times the -3 dB beamwidth
(with a wind velocity of 45 m/s)	Specified wind deflection applies for mm dia mounting pipe only

Antenna Dimensions

(pole mount included)

Height	653.0 mm
Width	719.0 mm
Depth	650.5 mm



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

Axial force	1444 N
Side force	715 N
Twisting Moment	527 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 115 mm diameter.

Electrical Characteristics

Frequency range	14.2 - 15.35 GHz
Gain, low band	36.4 dBi
Gain, mid band	36.7 dBi
Gain, top band	37 dBi
Return Loss	17.7 dB
VSWR	1.3
HPBW	2.4°
Front to back ratio	64 dB
Isolation	35 dB
XPD	30 dB
Electrical Compliance	Class 3
	ETSI 302 217

Shipping Information

Gross weight	20 kg
Height	420 mm
Depth	750 mm
Width	750 mm

faini telecommunication systems	RADIATION PATTERN ENVELOPE ANTENNA TYPE THP 06-142	1287

