

Antenna THP 03-212 DI

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General Specifications

Diameter	0.3m
Standard Colour	RAL 7035
Shroud	Low profile
Antenna Input	Interface for IEC waveguide R 220
Polarization	Dual

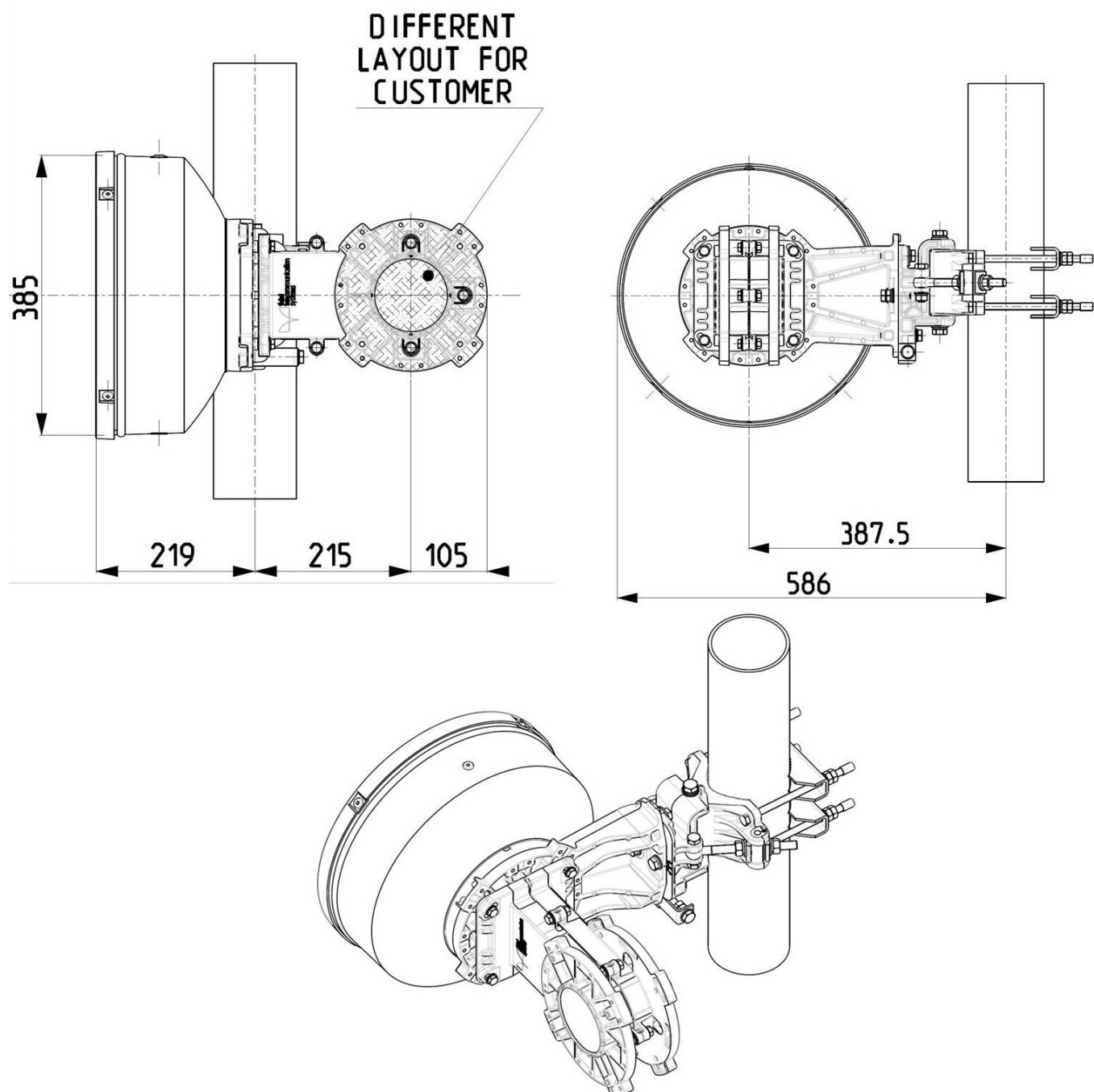
Mechanical Characteristics

Pole	50-115 mm
Elevation-fine adjustment	+/- 15 deg
Azimuth-fine adjustment	+/- 20 deg
Side struts, included	0
Side struts, optional	0
Net weight	13.5 Kg
Radome	Rigid plastic
Wind velocity Operational	45 m/s
Wind velocity Survival	70 m/s
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	385.0 mm
Width	539.0 mm
Depth	586.0 mm



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

Axial force	472 N
Side force	234 N
Twisting Moment	167 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 referenced to the mounting pipe (diameter 115 mm)

↘ Electrical Characteristics

Frequency range	21.2 - 23.6 GHz
Gain, low band	34.7 dBi
Gain, mid band	35.3 dBi
Gain, top band	35.7 dBi
Return Loss	17.7 dB
VSWR	1.3
HPBW	2.7°
Front to back ratio	62 dB
Isolation	35 dB
XPD	30 dB
Electrical Compliance	Class 3
	ETSI 302 217

↘ Shipping Information

Gross weight	16 Kg
Height	400 mm
Depth	400 mm
Width	600 mm

