

# Antenna THP 03 405 D



### General Specifications

Diameter	0.3m
Standard Colour	RAL 7035
Shroud	Low profile
Antenna Input	Interface for IEC waveguide R 500 (R 400 upon request)
Polarization	Dual

## ☑ Mechanical Characteristics

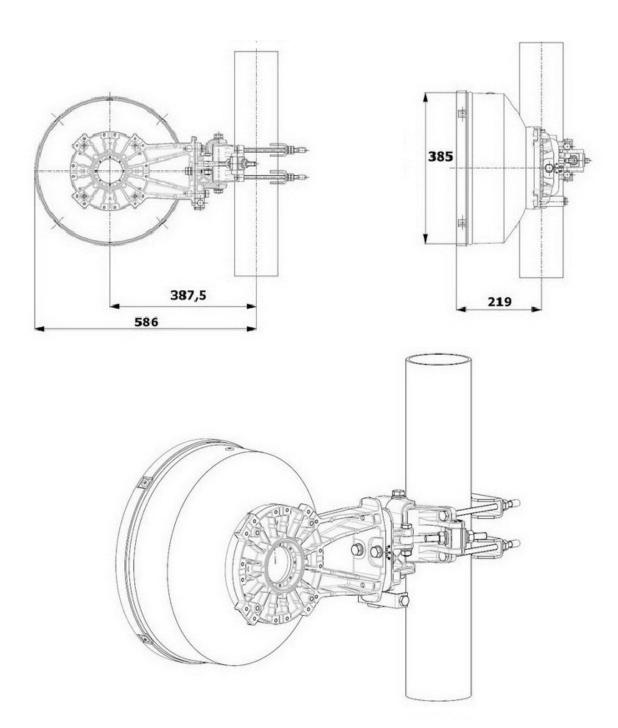
Pole	50-115 mm
Elevation-fine adjustment	+/- 15 deg
Azimuth-fine adjustment	+/- 20 deg
Side struts, included	0
Side struts, optional	0
Net weight	9 Kg
Radome	Rigid plastic
Wind velocity Operational	45 m/s
Wind velocity Survival	70 m/s
Wind deflection	<0.3 times the -3 dB beam width
(with a wind velocity of 45 m/s)	Specified wind deflection applies for 115 mm dia mounting pipe only



### Antenna Dimensions

(pole mount included)

Height	385.0 mm
Width	586.0 mm
Depth	219.0 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 refered to themounting pipe of 115 mm diameter.

#### Electrical Characteristics

Frequency range	40.5 - 43.5 GHz
Gain, low band	40.6 dBi
Gain, mid band	41.0 dBi
Gain, top band	41.4 dBi
Return Loss	17.7 dB
VSWR	1.3
HPBW	1.4°
Front to back ratio	63 dB
Isolation	35 dB
XPD	30 dB
Electrical Compliance	Class 3B
	ETSI 302 217

### Shipping Information

Gross weight	12 Kg
Height	400 mm
Depth	400 mm
Width	600 mm



