

0.3m (1ft) Ultra high Performance Low Profile antenna Specification

General Specifications



Diameter, nominal, m (ft)	0.3 (1)
Antenna Interface	ExtremeAir Integrated
Antenna Color	Light gray
Radome Color	Light gray
Radome Material Description	Anti-ultraviolet ABS material
Packing	Carton
RoHS 2002/95/EC	Compliant

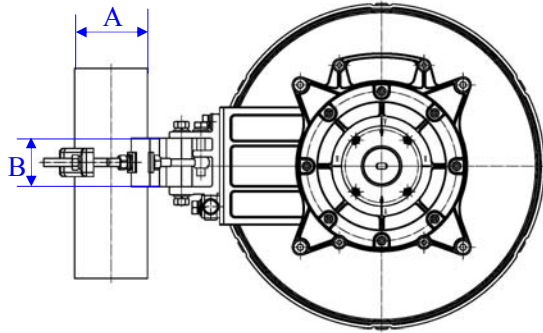
Electrical Specifications

Antenna Type	WTC03-240DAR-QOETB	
Frequency Band (GHz)	24.05~24.25	
Interface	Integrated	0.334
Gain (dBi) , Low	36.3	
Gain (dBi) , Mid	36.4	
Gain (dBi) , High	36.5	
3 dB BW (°)	2.5	
VSWR	1.30	
F/B Ratio (dB)	62	
XPD (dB)	30	
ETSI Standard	R4, C3	

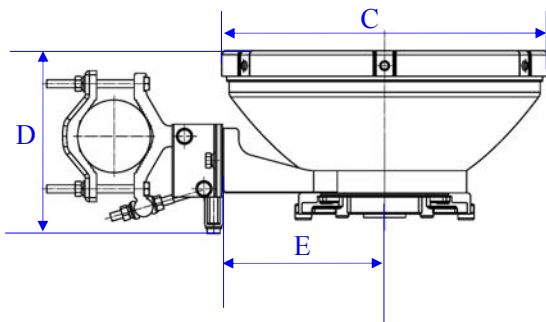
Mechanical Specifications

Wind Velocity Operational, km/h	200
Wind Velocity Survival Rating, km/h	250
Coarse Azimuth, Degree	360
Fine Azimuth Adjustment, Degree	±15
Coarse Elevation, Degree	±10
Fine Elevation Adjustment, Degree	±15
Mounting Pipe Diameter, mm	φ51 ~ φ114
Feeder Watertightness	Watertight
Operation Pressurization, KPa	50
Operation Temperature, °C	-45 ~ +60
Storage Temperature, °C	-55 ~ +70
Ice Load, mm	25
Strengthening Rod	NA
Adjustable Rod	NA
Net Weight, kg	6±1
Gross Weight, Packed Antenna, kg	8±2
Packing Length, mm	500
Packing Width, mm	450
Packing Height, mm	320
Packing Volume, m ³	0.073

Outline Dimensions



Antenna Dimensions, mm	
A	$\phi 90$ ($\phi 51 \sim \phi 114$)
B	60
C	$\phi 402$
D	226
E	200



Wind Forces

The axial, side and twisting moment forces stated are maximum loads applied to the tower by the antenna at a survival wind speed of 250 km/h (70m/s). They are, in every case, the result of wind from the most critical direction for each parameter. The individual maximums may not occur simultaneously. All forces are referenced to the antenna mounting pipe.

Axial Force (F_A Max.), N	470
Side Force (F_S Max.), N	230
Twisting Moment (M_T Max.), N•m	180
Angle α for M_T Max, Degree	-10

