Antenna HP 24-044 D

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General Specifications

Diameter	2.4 m
Standard Colour	RAL 7030
Shroud	High profile
Antenna Input	interface for IEC waveguide R 48
Polarization	Dual

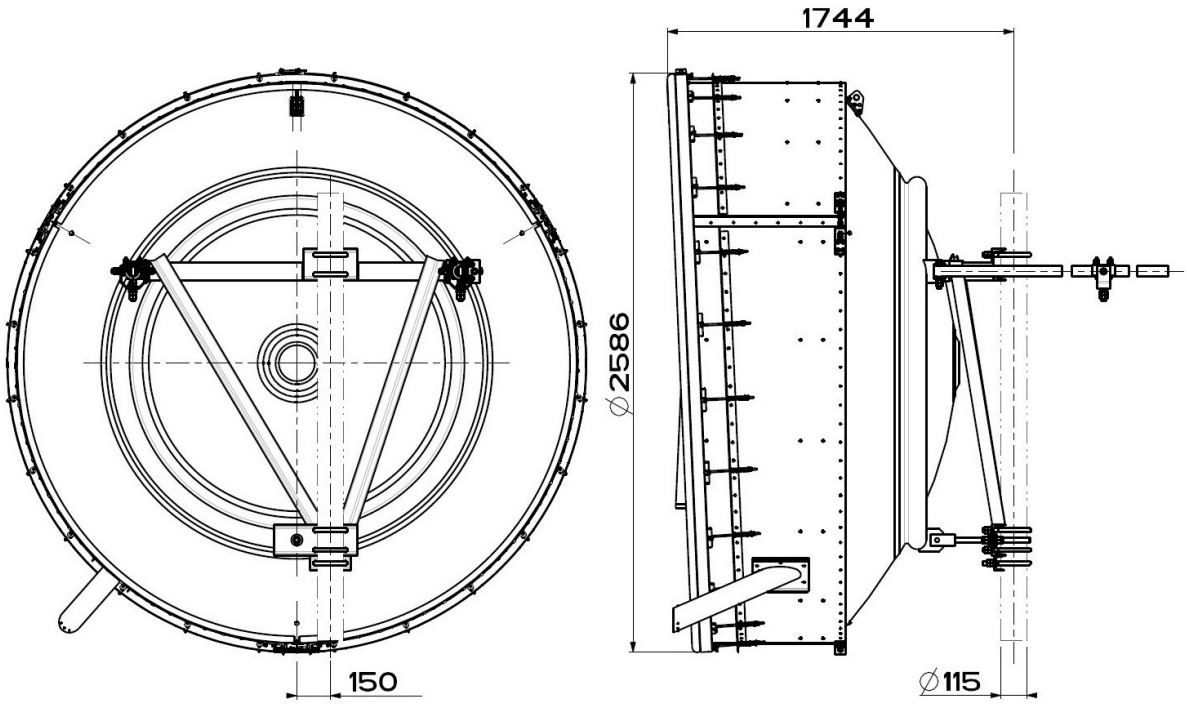
Mechanical Characteristics

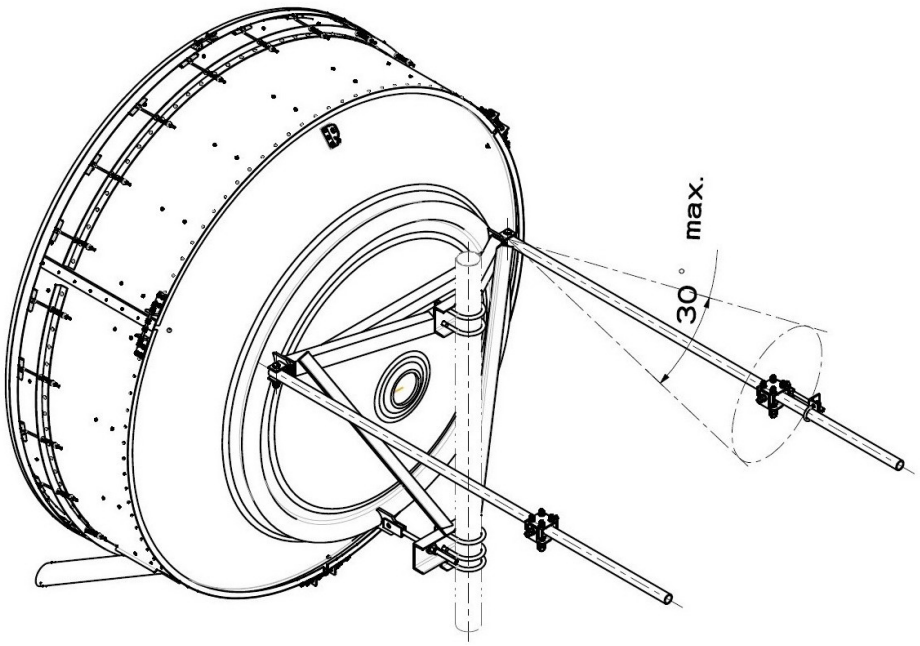
Pole	115 mm
Elevation-fine adjustment	+/- 5 deg
Azimuth-fine adjustment	+/- 5 deg
Side struts, included	2
Side struts, optional	0
Net weight	250 kg
Radome	Complan fabric
Wind velocity Operational	30 m/s
Wind velocity Survival	55 m/s
Wind deflection	<0.3 times the -3 dB beamwidth
(with a wind velocity of 30 m/s)	Specified wind deflection applies for 115 mm dia mounting pipe only

Antenna Dimensions

(pole mount included)

Height	2586 mm
Width	2586 mm
Depth	1744 mm





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

Axial force	12750 N
Side force	6315 N
Twisting Moment	5220 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	4.4-5 GHz
Gain, low band	38.3 dBi
Gain, mid band	38.8 dBi
Gain, top band	39.3 dBi
Return Loss	30.7 dB
VSWR	1.06
HPBW	2 deg
Front to back ratio	64 dB
Isolation	35 dB
XPD	30 dB
Electrical Compliance	ETSI 302 217 Class 3

Shipping Information

Gross weight	500 Kg
Height	2850 mm
Depth	2500 mm
Width	970 mm

faini telecommunication systems	RADIATION PATTERN ENVELOPE ANTENNA TYPE HP 24-044	1260

