Antenna HP 30-077 D

Antenna HP 30-077 D



General Specifications

Diameter	3.0 m
Standard Colour	RAL 3070
Shroud	Standard profile
Antenna Input	Interface for IEC waveguide R 84
Polarization	Dual

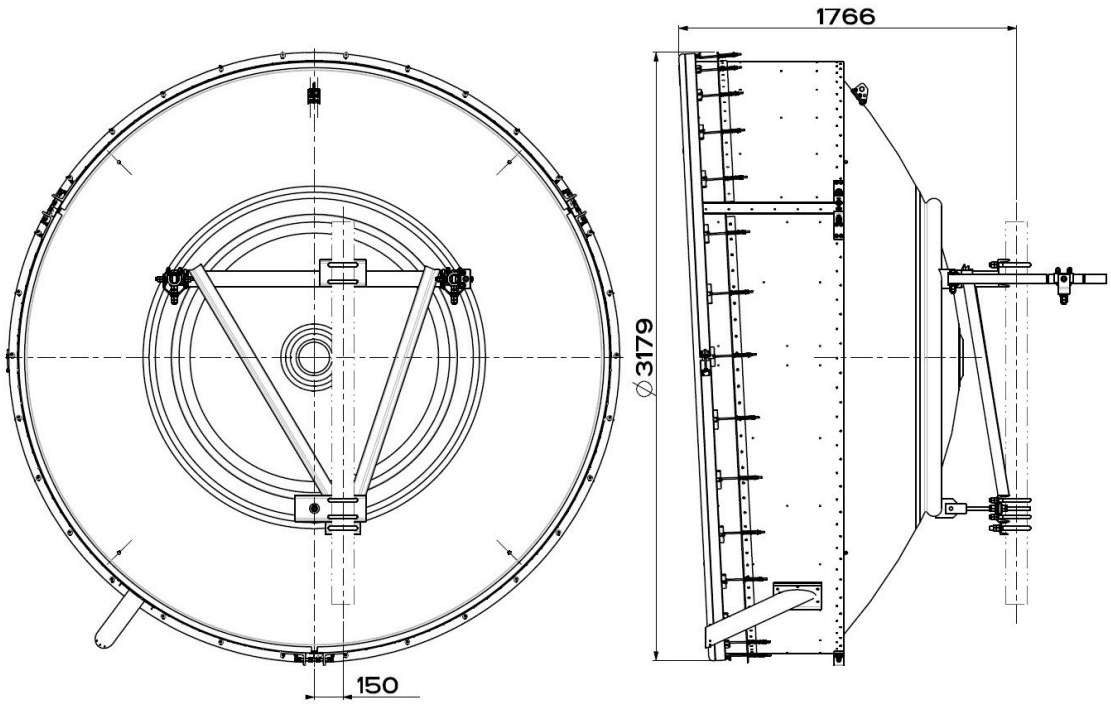
Mechanical Characteristics

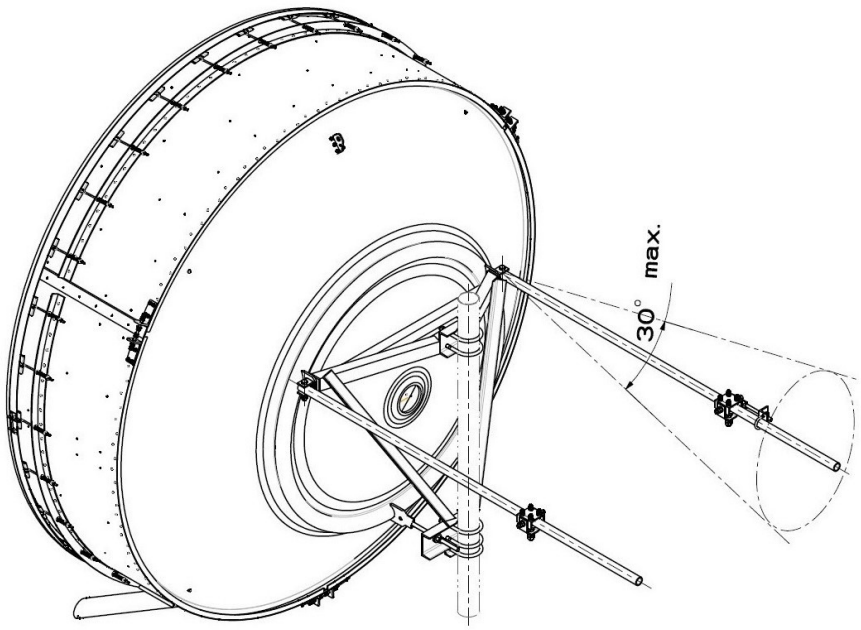
Pole	115 mm
Elevation-fine adjustment	±5°
Azimuth-fine adjustment	±5°
Side struts, included	2
Side struts, optional	0
Net weight	360 Kg
Radome	Complan fabric
Wind velocity Operational	30 m/s
Wind velocity Survival	55 m/s
Wind deflection	<0.3 times the -3 dB beamwidth
(with a wind velocity of 30 m/s)	Specified wind deflection applies for 115 mm dia mounting pipe only

Antenna Dimensions

(pole mount included)

Height	3179 mm
Width	3179 mm
Depth	1766 mm





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

Axial force	18130 N
Side force	8980 N
Twisting Moment	8530 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	7.750-8.5 GHz
Gain, low band	44.7 dBi
Gain, mid band	45.1 dBi
Gain, top band	45.5 dBi
Return Loss	30.7 dB
VSWR	1.06
HPBW	0.83°
Front to back ratio	71 dB
Isolation	40 dB
XPD	30 dB
Electrical Compliance	Class 3

Shipping Information

Gross weight	700 Kg
Height	3150 mm
Depth	2900 mm
Width	1800 mm

faini telecommunication systems	RADIATION PATTERN ENVELOPE ANTENNA TYPE HP 30-077 WB	1342

