Antenna HP 20-107 S

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General Specifications

Diameter	2.0 m
Standard Colour	RAL 7030
Shroud	Standard profile
Antenna Input	Interface for IEC waveguide R 100
Polarization	Single

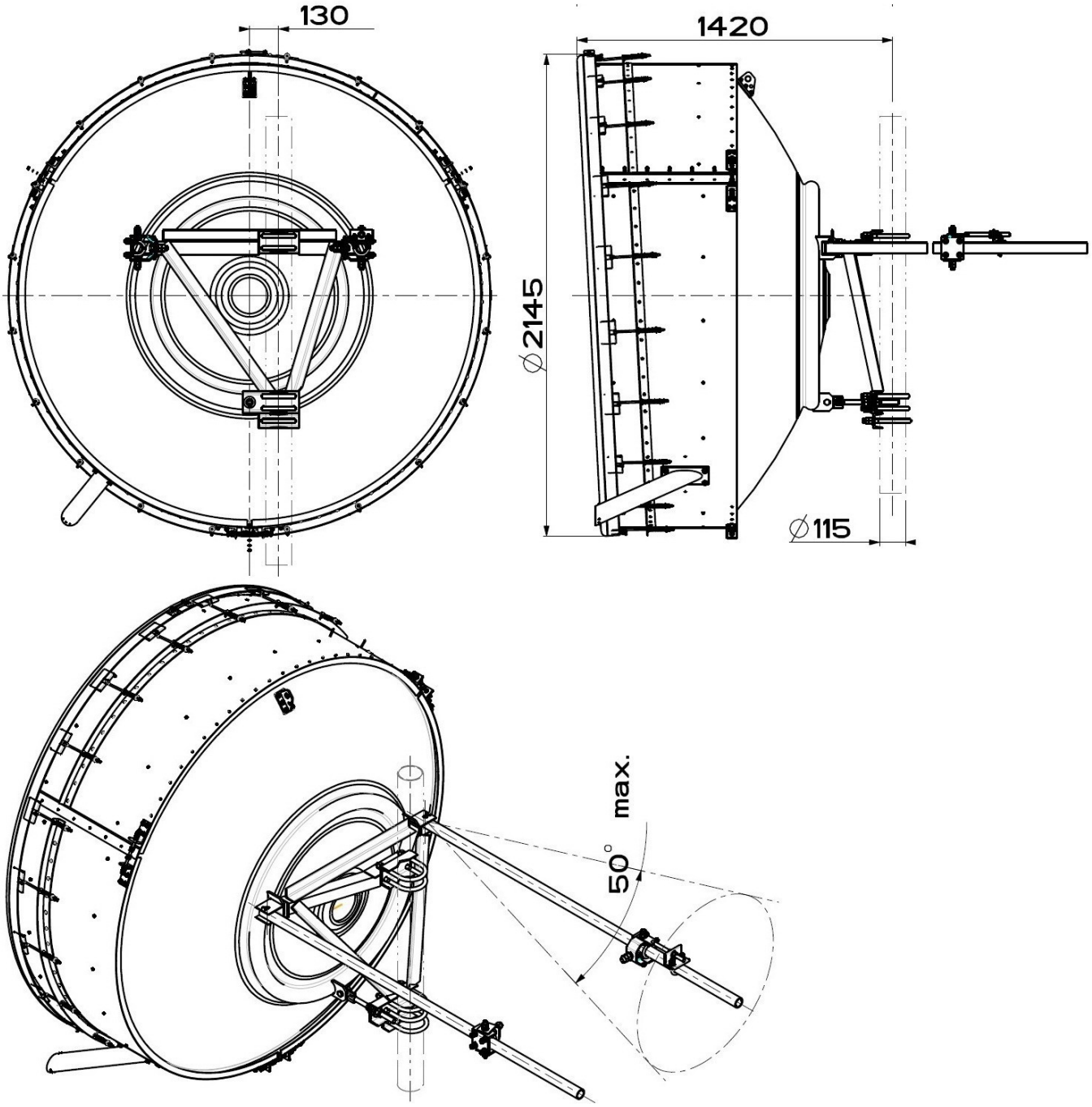
Mechanical Characteristics

Pole	115 mm
Elevation-fine adjustment	±5°
Azimuth-fine adjustment	±5°
Side struts, included	2
Side struts, optional	0
Net weight	211 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	2145 mm
Width	2145 mm
Depth	1420 mm



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

Axial force	8720 N
Side force	4320 N
Twisting Moment	3280 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	10.7-10.7 GHz
Gain, low band	44.4 dBi
Gain, mid band	
Gain, top band	
Return Loss	
VSWR	
HPBW	
Front to back ratio	
Isolation	
XPD	
Electrical Compliance	

Shipping Information

Gross weight	
Height	
Depth	
Width	

faini telecommunication systems	RADIATION PATTERN ENVELOPE ANTENNA TYPE HP 20-107	1249

