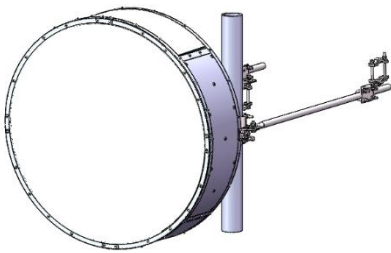


MW-V12S18

1.2m 18GHz High Performance Microwave Antenna

PROSE

- High Performance Antenna
- 17.70-19.70 GHz
- Single-Polarized



Electrical Data

Operating Frequency	17.70-19.70 GHz	
Gain*	Low	44.2 dBi
	Mid	44.7 dBi
	High	45.1 dBi
3dB BW (Azimuth & Elevation)	0.9 deg	
Regulatory Compliance	ETSI 302 217 R2 Class3 US FCC Part 101A	
RPE Number	RPE12-18	
VSWR (Return Loss)	1.30 (-17.7 dB)	
F/B Ratio	73 dB	
XPD	30 dB	
Polarization	Single-polarized	
Interface Waveguide Type	WR42 (BJ220)	

* Tolerance : ±1.0dBi.

Environmental Data

Operating Temperature	-55°C to +70°C	
Storage Temperature	-55°C to +70°C	
Wind resistance	Operational	180 km/h
	Survival	252 km/h

Mechanical Data

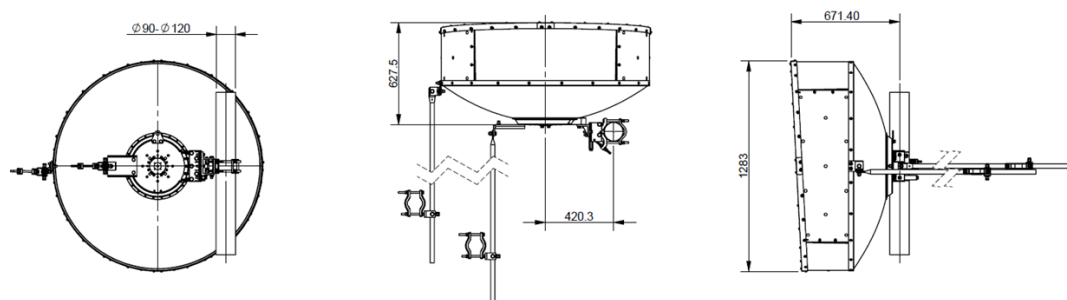
Reflector Construction	One-piece reflector	
Adjustment	Azimuth	±15°
	Elevation	±15°
Packed Dimension	L / W / H	1380mm / 440mm / 1540mm
Packing	1 set in wood box	
Net Weight	45Kg (99.2LB)	
Gross Weight	68Kg (150.0LB)	

MW-V12S18

1.2m 18GHz High Performance Microwave Antenna

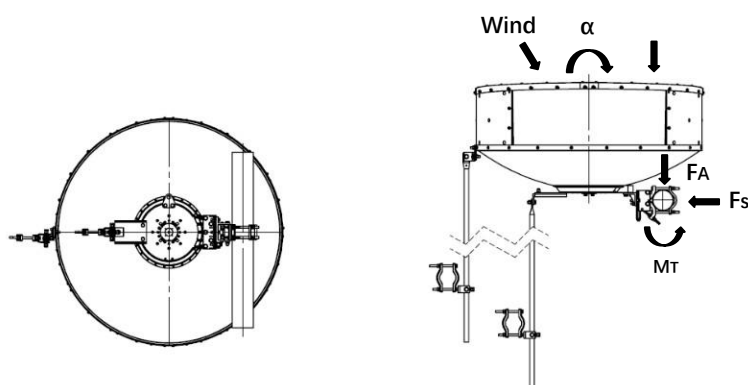
PROSE

Antenna Dimension (in mm) and Mounting Kit



Pole diameter	120 mm
Side struts, included	2

Wind Forces at Wind Velocity Survival Rating



Axial Force (FA)	4956 N
Side Force (FS)	2446 N
Twisting Moment (MT)	2200 N.M
Angle α for MT Max	-10°

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.