

MW-FRA80S43

80GHz 43dB High Performance Flat Reflector Array Antenna

PROSE

- High Performance Flat Reflector Array Antenna
- 71.0-86.0 GHz
- Single-Polarized



Electrical Data

Operating Frequency		71.0-86.0 GHz
Gain	Low	42.5 dBi
	Mid	43.1 dBi
	High	43.7 dBi
3dB BW (Azimuth & Elevation)		1.0 deg
Regulatory Compliance		ETSI 302 217 R7 Class3
Rosenberger RPE Number		RPE-FRA80-43
VSWR (Return Loss)		1.50 (-14.0 dB)
F/B Ratio		61 dB
XPD		25 dB
Polarization		Single-polarized
Interface Waveguide Type		WR12 (R740)

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

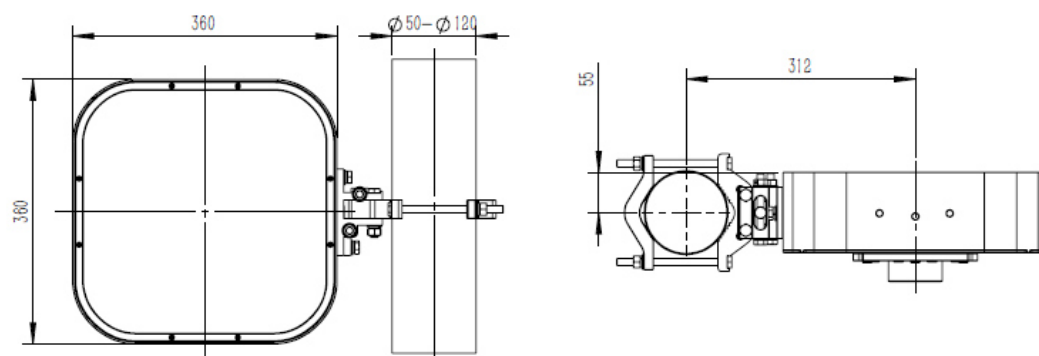
Reflector Construction		One-piece reflector
Adjustment	Azimuth	±15°
	Elevation	±15°
Packed Dimension	L / W / H	400mm / 400mm / 200mm
Packing		1 set in cardboard box

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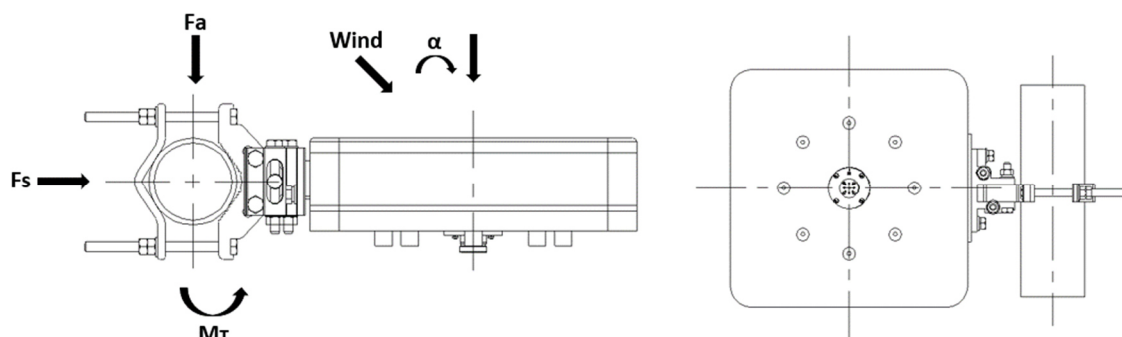
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Antenna Dimension (in mm) and Mounting Kit



Pole diameter	50-120 mm
Side struts, included	0

Wind Forces at Wind Velocity Survival Rating



Axial Force (F_a)	465 N
Side Force (F_s)	223 N
Twisting Moment (M_T)	43 N.M
Angle α for M_T Max	0°

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