Product Specifications

AXXD09MS-3NX

0.9 m, High Performance, Dual-Polarized Class3 Modular Antenna, XX for 7W ~ 26GHz

General Specifications

Brand	UHP-M
Product Type	Microwave antenna

Electrical Specifications

Model Number	Frequency (GHz)	Gain (dBi)			HPBW (°)	XPD (dB)	F/B Ratio (dB)	IPI(dB)	Return Loss(dB)	ETSI Standard	Antenna Input*
		Low	Mid	High							
A7WD09MS-3NX	7.125 ~ 8.5	34.8	35.3	35.8	3	30	60	35	17.7	Class 3	154IEC-UBR84
A10WD09MS-3NX	10.125 ~ 11.7	37.8	38.4	39	2.1	30	63	35	17.7	Class 3	154IEC-UBR100
A13D09MS-3NX	12.75 ~ 13.25	39.9	40	40.1	1.8	30	64	35	17.7	Class 3	154IEC-UBR120
A15D09MS-3NX	14.4 ~ 15.35	40.3	40.6	40.9	1.6	30	67	35	17.7	Class 3	154IEC-UBR140
A18D09MS-3NX	17.7 ~ 19.7	43.1	43.5	43.7	1.2	30	70	35	17.7	Class 3	154IEC-UBR220
A23D09MS-3NX	21.2 ~ 23.6	44.5	44.8	45	1	30	67	35	17.7	Class 3	154IEC-UBR220
A26D09MS-3NX	24.25 ~ 26.5	45.6	45.8	46.2	1	30	70	35	17.7	Class 3	154IEC-UBR220

Mechanical Specifications

Diameter (m)	0.9
Antenna Color (color charts)	Pantone Light Gray 1C
Reflector	One-piece reflector
Radome Color	White
Fine Azimuth Adjustment	±15°
Fine Elevation Adjustment	±15°
Diameter of mounting pipe (mm)	Φ51 to 114
Side Strut	1 (optional 4 pcs)
Installation	Separate Mount
Ice-load(mm)	25.4
Operational Temperature (℃)	-45 to +60

Note: Huawei customized interface. It can be used as the flange type listing in the table.

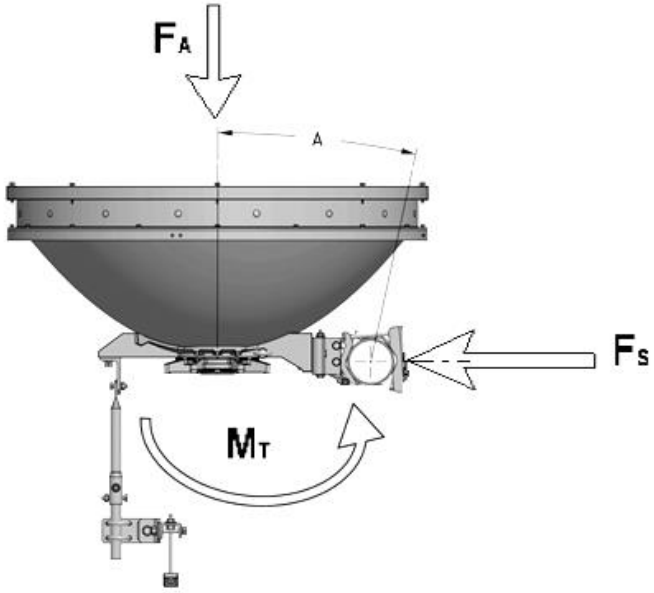
Product Specifications

Wind Forces At Wind Velocity Survival Rating

Wind Velocity Survival Rating, km/h	250
Wind Velocity Operational, km/h	200
Axial Force (N)	3074
Side Force (N)	1537
Twisting Moment (N·m)	1150

※ The diameter of the mounting pipe is 114mm when testing.
※ Axial Force/Side Force/Twisting Moment is at wind velocity survival rating.

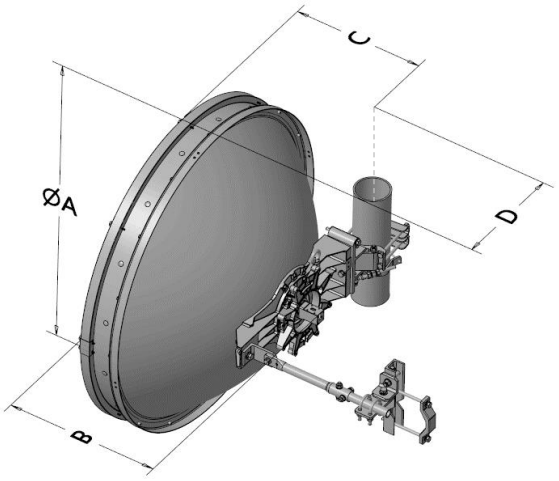
Wind Forces At Wind Velocity Survival Rating Image



Packed Dimensions

Gross Weight,Packed Antenna (kg)	47.3 ± 4
Net Weight,Only Antenna (kg)	21.9 ± 1
L × W× H (mm × mm × mm)	1100 × 525 × 1270

Antenna Dimensions



Dimensions in mm	
Antenna size,ft(m)	3(0.9)
A	1025
B	504
C	430
D	374

Product Specifications

Note

Gain	There may be an error in testing the gain in different test fields. The error should be less than 0.5dB.
Radiation Pattern Envelope Reference (RPE)	RPE of antenna is generated with the stated gain, so there will be a deviation of RPE when the gain is deviated. Theoretically, the pattern deviation dose not exceed 0.5dB.
Front-to-Back Ratio	Indicates the highest backward radiation, relative to the main lobe, in the range of 180° ± 40°.Production antennas do not exceed rated values by more than 2dB unless stated otherwise.
Cross Polarization Discrimination (XPD)	The stated 30dB antenna XPD is tested in professional test field. Both antennas have 30dB XPD in a link, but the link XPD may fall back to the worst 24dB.

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