

Product Specifications



AXXD12MS-3NX

1.2 m, High Performance, Dual-Polarized Class3

Modular Antenna, XX for 6W ~ 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							
A6WD12MS-3NX	5.925 ~ 7.125	34.5	35.6	36.5	2.5	30	62	35	17.7	Class 3	154IEC-PDR70
A7WD12MS-3NX	7.125 ~ 8.5	36.9	37.4	37.7	2.2	30	63	35	17.7	Class 3	154IEC-UBR84
A10WD12MS-3NX	10.125 ~ 11.7	40.2	40.7	41	1.5	30	67	35	17.7	Class 3	154IEC-UBR100
A13D12MS-3NX	12.75 ~ 13.25	41.9	42	42.1	1.3	30	68	35	17.7	Class 3	154IEC-UBR120
A15D12MS-3NX	14.4 ~ 15.35	42.8	43	43.2	1.2	30	71	35	17.7	Class 3	154IEC-UBR140
A18D12MS-3NX	17.7 ~ 19.7	44.4	44.7	45.1	0.9	30	73	35	17.7	Class 3	154IEC-UBR220
A23D12MS-3NX	21.2 ~ 23.6	45.8	46.2	46.5	0.8	30	74	35	17.7	Class 3	154IEC-UBR220
A26D12MS-3NX	24.25 ~ 26.5	46.7	47.2	47.6	0.6	30	75	35	17.7	Class 3	154IEC-UBR220

Mechanical Specifications

Diameter (m)	1.2
Antenna Color (color charts)	Pantone Light Gray 1C
Reflector	One-piece reflector
Radome Color	White
Fine Azimuth Adjustment	±15°
Fine Elevation Adjustment	±10°
Diameter of mounting pipe (mm)	Φ114
Side Strut	1 (optional 4 pcs)
Installation	Separate Mount
Ice-load(mm)	25.4
Operational Temperature (°C)	-45 to +60

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

Product Specifications

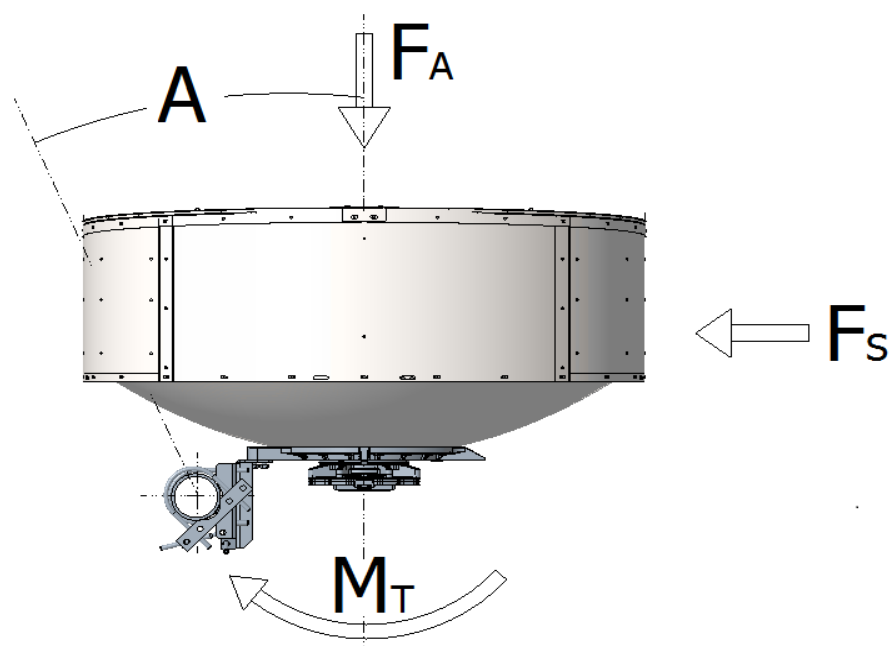
● Wind Forces At Wind Velocity Survival Rating

Wind Velocity Survival Rating, km/h	250
Wind Velocity Operational, km/h	200
Axial Force (N)	4916
Side Force (N)	2458
Twisting Moment (N·m)	1893

※ The diameter of the mounting pipe is 114mm when testing.

※ Axial Force/Side Force/Twisting Moment is at wind velocity survival rating.

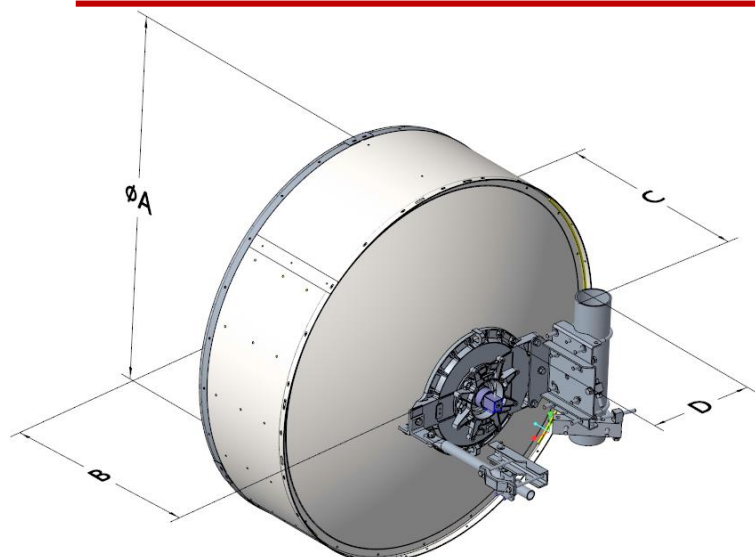
● Wind Forces At Wind Velocity Survival Rating Image



● Packed Dimensions

Gross Weight,Packed Antenna (kg)	67.8 ± 4
Net Weight,Only Antenna (kg)	43.4 ± 1
L x W x H (mm x mm x mm)	1380 x 380 x 1550

● Antenna Dimensions



Dimensions in mm	
Antenna size,ft(m)	4(1.2)
A	1305
B	690
C	704
D	385



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 $180^{\circ} \pm 40^{\circ}$. 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.

Product Specifications



Copyright © Huawei Technologies Co., Ltd. 2020. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

Trademarks and Permissions



HUAWEI and other Huawei trademarks are trademarks of Huawei Technologies Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

Notice

The purchased products, services and features are stipulated by the contract made between Huawei and the customer. All or part of the products, services and features described in this document may not be within the purchase scope or the usage scope. Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied.

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.

Huawei Technologies Co., Ltd.

Address: Huawei Industrial Base
Bantian, Longgang
Shenzhen 518129
People's Republic of China

Website: <http://www.huawei.com>

Email: support@huawei.com