

PA-5800-29-06-DP
PA-5800-32-09-DP
PA-5800-35-12-DP



ANTENNAS

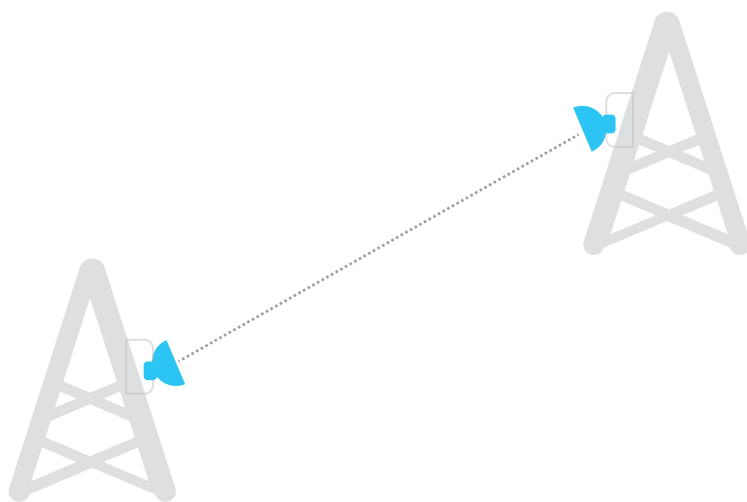
DISH ANTENNA

- *Excellent bandwidth*
- *Fast and easy installation*
- *Light and elegant design*

APPLICATION

ALGcom Dish Antennas were designed with latest generation technology to ensure the best unlicensed frequency links.

Find below the details of the Dish Antenna!



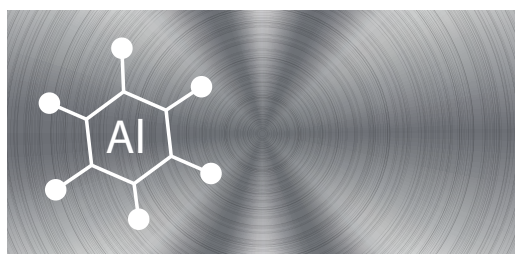
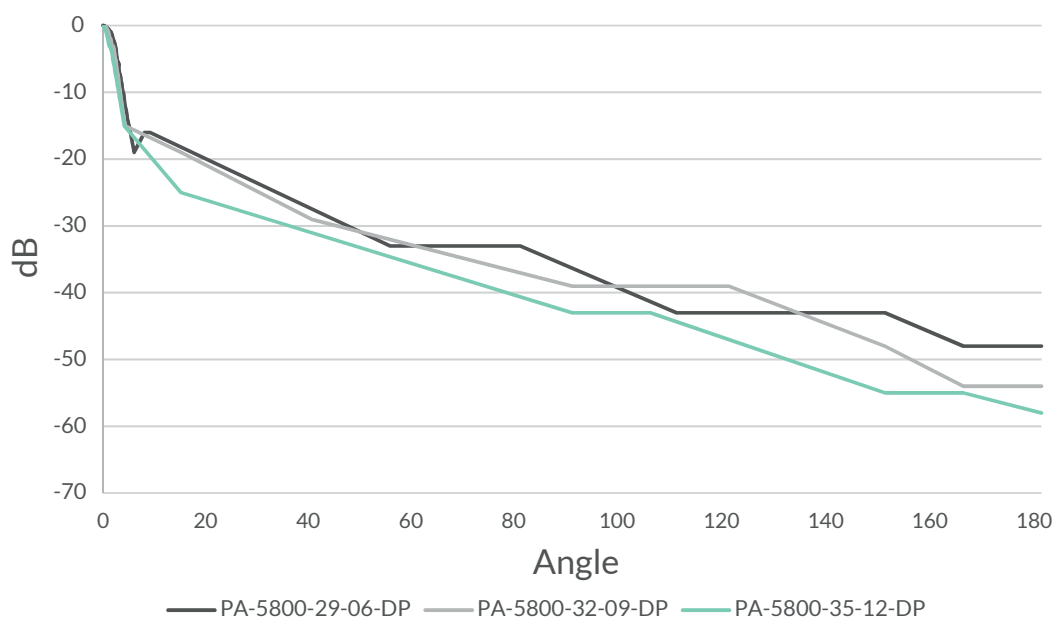
EXCELLENT BANDWIDTH

ALGcom Dish Antenna has an excellent bandwidth (4.9 - 5.875 GHz), giving more flexibility in the radio configuration to point-to-point links.



DISH ANTENNA

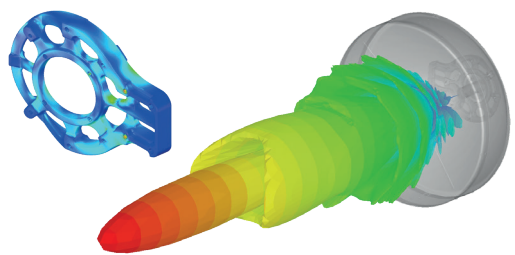
4,9 - 5,875 GHz



100% Aluminum Structure.



VSWR and isolation 100% verified. Technical report is included.



Projects are designed with computational tools that allows ALGcom to optimize the radiation efficiency and evaluate the mechanical structure.



All models approved by Anatel
3 years warranty

DISH ANTENNA

ELECTRICAL SPECIFICATIONS

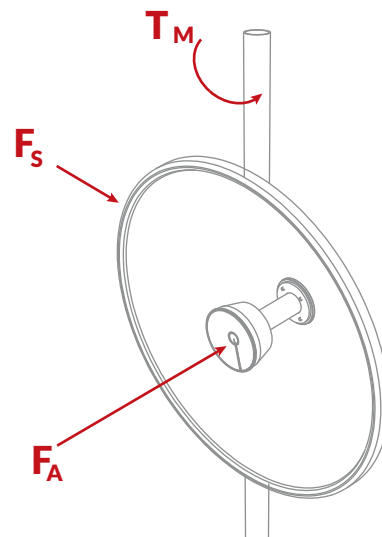
	PA-5800-29-06-DP	PA-5800-32-09-DP	PA-5800-35-12-DP
Frequency range	4,9 to 5,875 GHz	4,9 to 5,875 GHz	4,9 to 5,875 GHz
Diameter	0,6 m	0,9 m	1,2 m
Gain High Band	30,1 dBi	33,5 dBi	35,8 dBi
Mid Band	29,4 dBi	32,9 dBi	35,2 dBi
Low Band	29 dBi	32,4 dBi	34,7 dBi
Beamwidth	6,2°	3,6°	3,1°
Front-to-back ratio	> 48 dB	> 54 dB	> 57 dB
Polarization	Double (V and H)	Double (V and H)	Double (V and H)
Isolation between ports	> 20 dB	> 20 dB	> 20 dB
VSWR	< 1,8:1	< 1,8:1	< 1,8:1
Antenna input	SMA Male Reverse	SMA Male Reverse	SMA Male Reverse

MECHANICAL SPECIFICATIONS

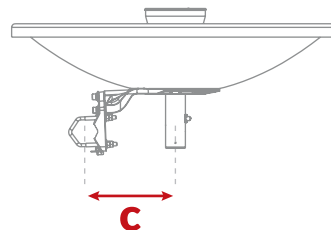
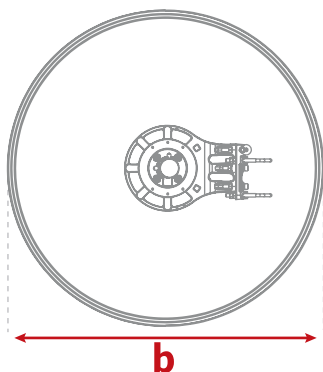
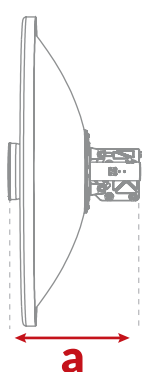
	0,6 m	0,9 m	1,2 m
Azimuth	Manual		
Elevation	+/- 7,5°		
Polarization Adjustment	+/- 5°		
Approximate weight	5,5 kg	8 kg	19,5 kg
Mounting pipe diameter	Ø1" to Ø2"		Ø2" to Ø4.1/2"
Operational windspeed	110 km/h		
Survival windspeed	200 km/h		

WIND FORCES AT WIND VELOCITY SURVIVAL RATE

	0,6 m	0,9 m	1,2 m
Torque maximum (T_M)	166,1 Nm	298 Nm	966 Nm
Axial force (F_A)	966 N	1448 N	2911 N
Side force (F_S)	280 N	492 N	1600 N

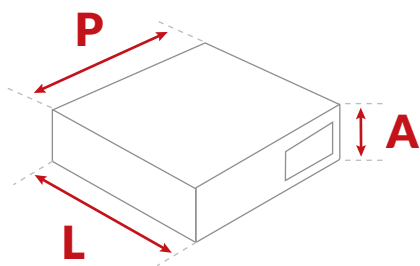


DIMENSION



	Diameter 0,6 m	Diameter 0,9 m	Diameter 1,2 m
a	245 mm	330 mm	562 mm
b	735 mm	995 mm	1280 mm
c	180 mm	180 mm	349 mm
Ø	1" to 2"	1" to 2"	2" to 4.1/2"

PACKING



	Diameter 0,6 m	Diameter 0,9 m	Diameter 1,2 m
Material	Carboard		
Height (A)	7,95 kg	14,5 kg	30,5 kg
Width (L)	32 cm	40 cm	43 cm
Depth (P)	75 cm	102 cm	133 cm
Volume	75 cm	102 cm	133 cm
Weight	0,18 m ³	0,411 m ³	0,760 m ³



Technology for professional links

Transforming ideas into future

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