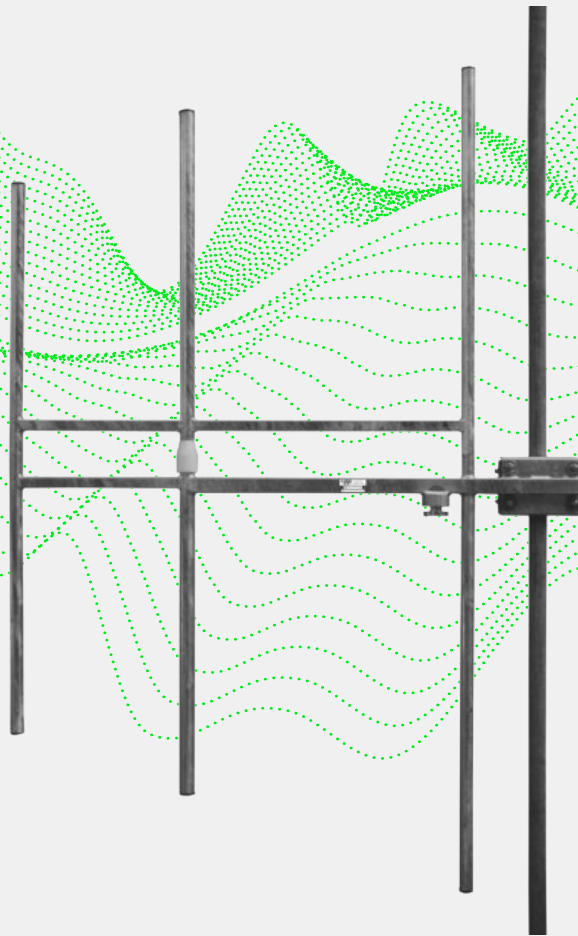


RFE

MAKING
BROADCAST
SMARTER

3-Elements Yagi Antenna DY3

ANTENNA SYSTEMS



**RFE**MAKING
BROADCAST
SMARTER

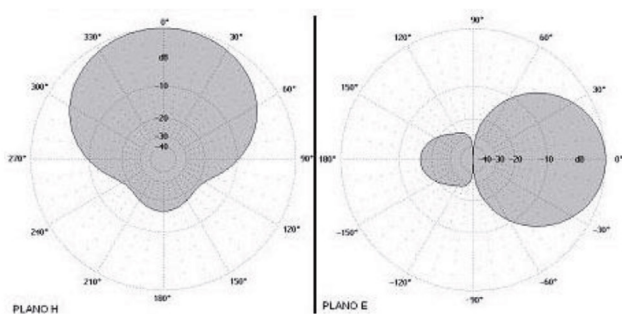
PRODUCT DESCRIPTION

3-Elements Yagi Antenna DY3



PRODUCT DESCRIPTION

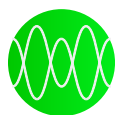
DY3 is a 3-elements yagi antenna, with linear polarization and directional pattern. Ideal for low-medium power broadcast application, it is detachable for easy packing and shipping.



MAIN FEATURES

- 87,5-108 MHz Broadband.
- Suitable for collinear stacks.
- Robust construction in stainless steel
- ICE protection
- Linear polarization
- Directional
- Low-medium power
- Detachable for easy packing and shipping





**ELECTRICAL
DATA**

Frequency Range	87.5÷108 MHz
Gain	5.2 ÷ 4.5 dBd
VSWR	≤1.25÷1 Broadband
Half Power Beam	E plane 67° — H plane 130°
Front to back Ratio [F/B]	>17 dB
Polarization	Linear
Connector	DIN 7/16" or EIA 7/8"
Max Power Rating	2.5 Kw — 5 Kw
Input Impedance	50 Ω
Lighting Protection	DC Grounded

**MECHANICAL
DATA**

Size [A x B x C]	1820x1600x230mm
Weight	10 Kg
Wind Load	44 Kg @ 160 Km/h
Max Wind Speed	Front 220Km/h — Side 200Km/h
Materials	Body and screw in stainless steel AISI 316, internal parts in silver-plated copper and PTFE
Mounting	Suitable mast diameter: 50 - 100 mm
Packing [AxBxC]	1800x370x140 mm

NOTE: RADIATION PATTERN, GAIN, F/B AND HALF POWER BEAM WIDTH ANALYZED WITH TOWER INFLUENCE.
NOTE: ARRAY GAIN REFERRED TO ANTENNA AVERAGE GAIN

N° OF BAYS	N° OF FACES	GAIN [dBd]	LENGTH mm
1	1	4.5	1900
	2	1.5	
2	1	7.5	4900
	4	4.5	
3	1	9.2	7900
	2	6.2	
4	1	10.5	10900
	2	7.5	
5	1	11.5	13900
	2	8.5	
6	1	12.3	16900
	2	9.2	
7	11	12.9	19900
	2	9.9	
8	1	13.5	22900
	2	10.5	
9	1	14	25900
	2	11.0	
10	1	14.5	28900
	2	11.5	

