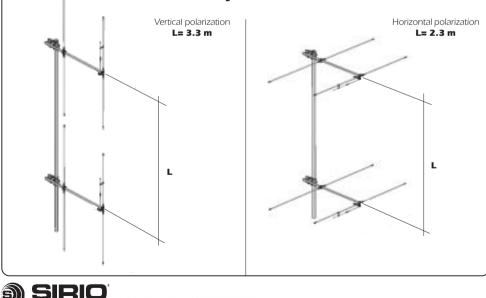
MOUNTING INSTRUCTIONS



Array distance



SIRIO HI-QUALITY ANTENNAS MADE IN ITALY

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SY68-2

VHF 68-78 MHz Base Station 2 Element Yagi Antenna

DESCRIPTION

Directional 2 elements Yagi antenna for VHF 68-78 MHz with gamma match feed system.

Elements and boom of generous section are completely made of anticorodal aluminum, and the steel bracket is placed in the rear position for the best performance in vertical and horizontal polarization. The elements are fixed to the boom by a strong die-cast metal support to get the maximum strength.

All connections are waterproof and it is supplied whit UHF female connector

All metal parts and hardware are weather resistant.

To improve the antenna gain please install it in stacked or bayed array.



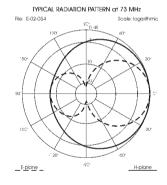
TECHNICAL DATA

Electrical Data	
2 elements Yagi	
68 - 78 MHz	
50 Ω Unbalanced	
Linear Vertical or Horizontal	
beamwidth @ -3 dB= 180° @ 73 MHz	
beamwidth @ -3 dB= 75° @ 73 MHz	
5 dBi	
≥8 dB	
≤ 1.5	
350 Watts (CW) @ 30°C	
Gamma Match	
UHF-female with rubber protection cap	

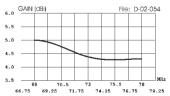
Mechanical Data

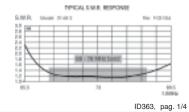
Materials	Aluminum, EPDM rubber, Zamak, Zinc plated
	Steel, Chromed Brass
Wind load / resistance	159 N at 150 Km/h / 140Km/h
Wind surface	0.128 m ²
Boom/elements diameter	33mm/16mm
Dimensions (approx.)	1250 x 2235 mm
Weigth (approx.)	2695 gr
Turning radius	1562 mm
Operating temperature	-40° ⊂ to +80° ⊂
Mounting Mast	Ø 35-52 mm

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TYPICAL GAIN DIAGRAM VS FREQUENCY





MOUNTING INSTRUCTIONS

