

SPO 380-2

Sirio Professional Omni

2 dBi UHF Base Station Antenna 380-470 MHz

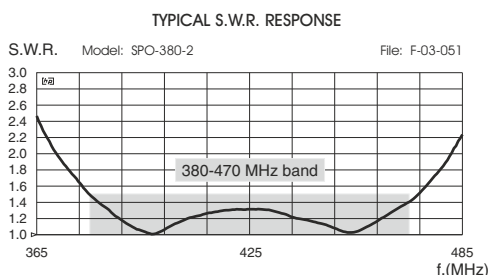
DESCRIPTION: wide band omnidirectional base station antenna for UHF band suitable for marine service too. The fiberglass protection radome and the anodized aluminium parts guarantee robustness and long life to all the SPO-antennas series. They are supplied with two strong extruded aluminium brackets and stainless steel hardware for a good installation on the mast.

Electrical Data

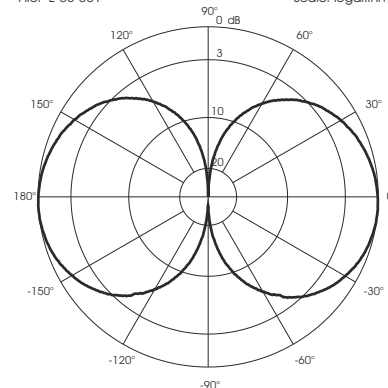
Type	Dipole
Frequency Range	380-470 MHz @ SWR ≤ 1.5
Impedance	50 Ω
Radiation (H-plane)	360° Omnidirectional - HCM code = 000ND00
Radiation (E-plane)	Beamwidth @ -3dB = 78° - HCM code = 039ND00
Radiation angle deg.	0°
Polarization	Linear Vertical
Gain	0 dBd - 2.15 dBi
Max Power	75 Watts (CW) @ 30°C ambient
Grounding Protection	All metal parts are DC-grounded, inner conductor shows a DC short
Connector	N-female, with rubber protection cap

Mechanical Data

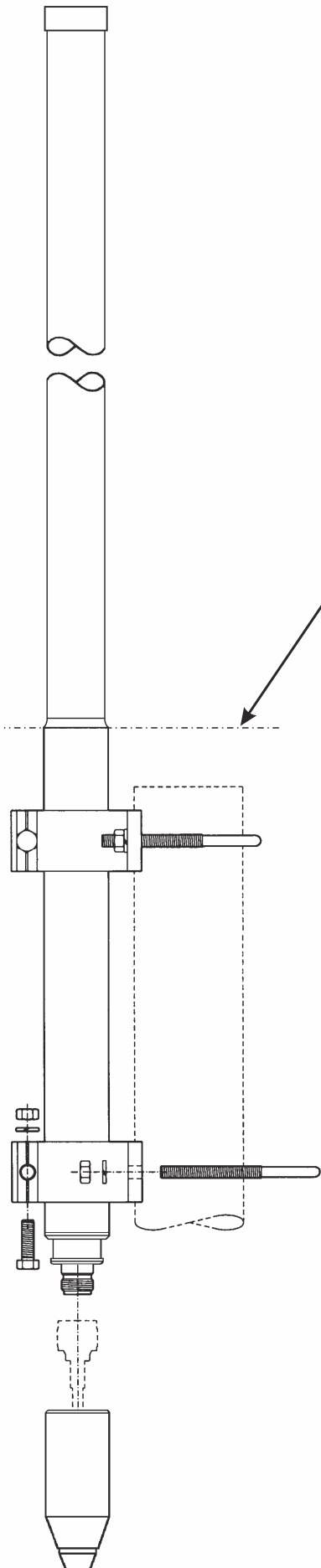
Materials	White fiberglass radome Ø 28.6 mm, anodized 6063-T5 aluminium, brass, stainless steel, copper, EPDM rubber.
Wind Load at 150 km/h	33 N
Wind Resistance	200 Km/h; 124 mi/h
Wind Surface	0.027 m ² ; 0.29 ft
Operatin temperature	-40°C to + 80°C
Height (approx.)	780 mm; 2.55 ft
Weight (approx.)	890 gr; 2 lb
Ingress Protection	IP 67
Mounting Mast	Side mast with "V" bolt, Ø 35-60 mm, Ø 1.4-2.4 in



TYPICAL RADIATION PATTERN in E-plane at mid-band
File: E-03-051 Scale: logarithmic



MOUNTING INSTRUCTIONS



ATTENTION!
The mounting mast
does not have to be
higher of the
aluminium tube

FT-5 fixing bracket:

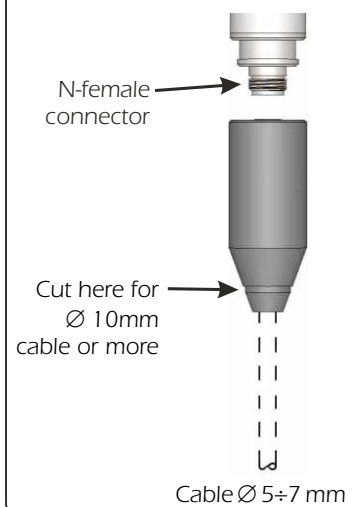


FT-5 fixing bracket part list

Q.ty	Description
2	Extruded aluminium bracket
2	M6x206 V-bolt
2	M6x20 Exagonal head screw
6	M6 Spring lock washer
6	M6 Hexagonal nut
Materials:	extruded aluminum
Hardware:	stainless steel
Dimensions :	85 x 65 x 25 mm
Weight:	220 g
Re-order code: 2519613.00	

Connector protection cap

Re-order code: TE06416



HI-QUALITY ANTENNAS MADE IN ITALY

