

AT92M

HF, two piece sectional whip, monopole, side feed, mast mount,
9 m, 1.6-30 MHz

Commercial and Marine Antennas



Application

The AT92 is a high performance fibreglass transmitting antenna for marine coastal and HF telephony bands (simplex and duplex SSB). It matches well with all modern SSB marine telephony transmitters and transceivers.

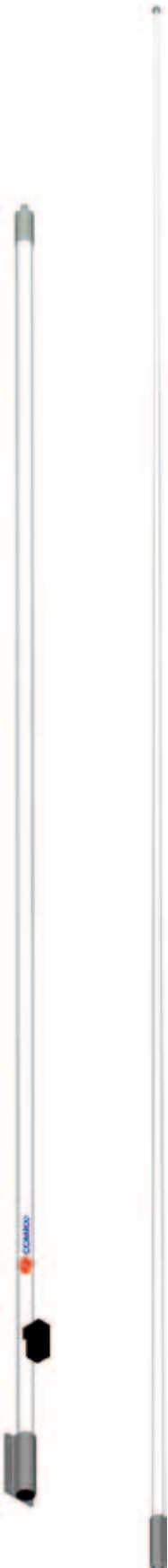
The antennas can be part of any MF/HF communication system but is specially designed to satisfy the demands of GMDSS.

Mechanical Specifications

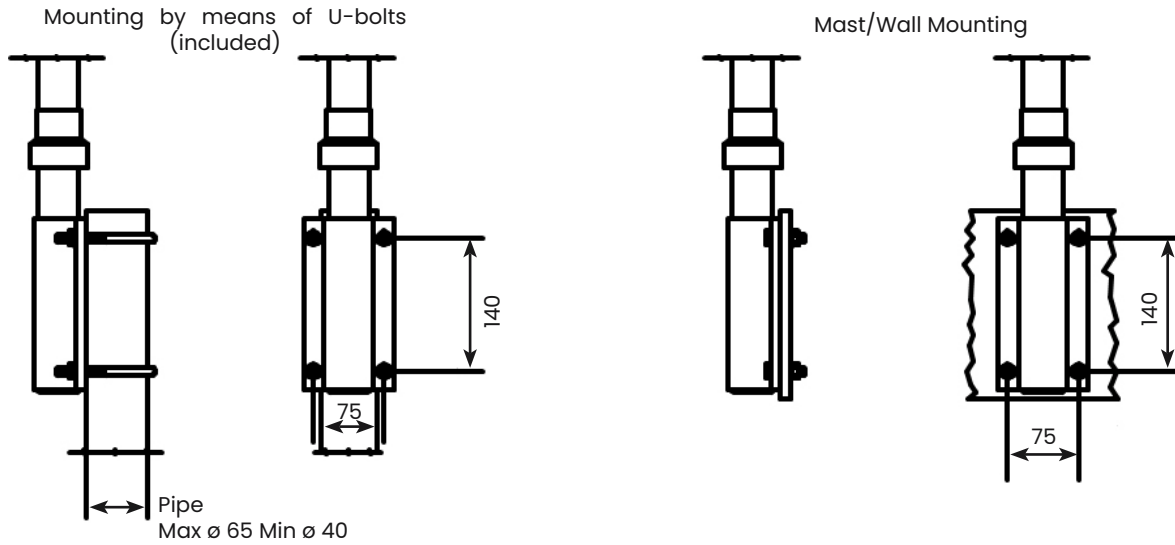
Design	Self-supporting fibreglass rod with aluminium mounting hardware.
Height	9 m
Weight	8 kg
Sections	Base AXB42 Bracket, side feed Top APB50
Wind Rating	55 m/s = 201 km/h
Moment of Flexure	120 kpm at 55 m/s
Deflection Due to Wind Load	5.8 m at tip ball at 55 m/s wind load 3.8 m at tip ball at 33 m/s wind load
Finish	Polyurethane lacquer, white
Temperature Range	- 55°C to + 70°C
Ice Build-up	Not affected

Electrical Specifications

Frequency Range	1.6 - 30 MHz
Power Rating	1.5 kW PEP
Impedance	see overleaf
Polarisation	Vertical
Pattern	Omnidirectional
Electrical Length	8.5 m



Mounting



Must withstand moment of flexure (see Mechanical Specifications)
Use bolts and nuts M10

Impedance Measurements

Antenna mounted on a 2 metre steel pipe over flat steel roof. Feed line 2 m.

Frequency (MHz)	Transmitting Antenna 9 m
1.6	4-j950
2.0	5-j720
3.0	6-j400
4.0	10.2-j259
5.0	17.9-j123
6.0	30-j8.4
7.0	50+j103.6
8.0	84.5+j226
10.0	298+j570
12.0	1593+j479
16.0	127.8-j391
18.0	58.1-j137
22.0	180.2-j380
25.0	997-j68
30.0	130.4-j160.6

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All specifications are subject to change without notice
The information contained herein is for reference only and does not constitute a warranty of performance

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