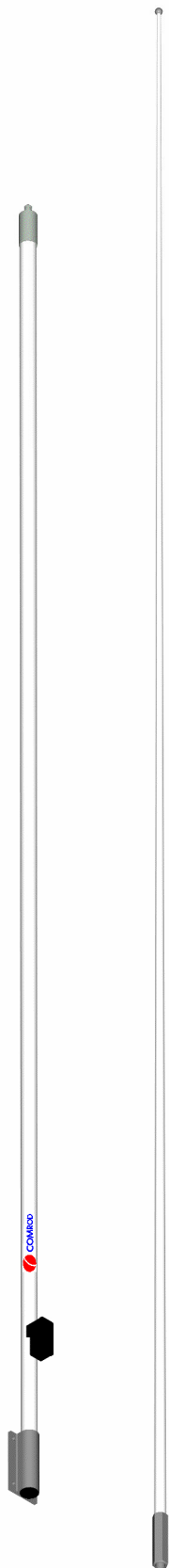


# COMROD AT92M

## 30' - 9 m HF Marine Transmitting Antenna



### Application:

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

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

### Electrical specifications:

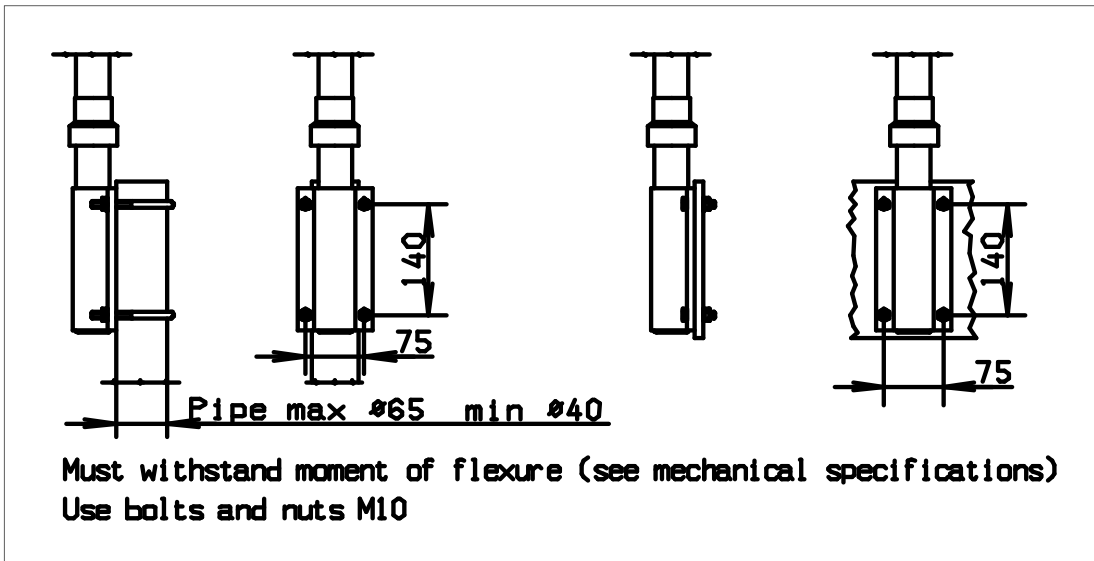
Frequency range	1.6-30 MHz
Power rating	1.5 kW PEP
Impedance	See separate section
Polarization	Vertical
Pattern	Omnidirectional
Electrical length	8.5 m (28 ft)

### Mechanical specifications:

Design	Self supporting fiberglass rod with aluminum mounting hardware.
Height	9 m (30 ft)
Weight	8 kg
Sections	Base: AXB42 Bracket, side feed Top: APB51
Wind rating	55 m/s = 125 mph
Moment of flexure	120 kpm at 55 m/s
Deflection due to wind load	5.8 m (19 ft) at tip ball at 55 m/s wind load 3.8 m (12.5 ft) at tip ball at 33 m/s wind load
Finish	Polyurethane lacquer, white
Temperature range	-55 °C, +70 °C, -67 °F, +160 °F
Ice build-up	Not affected

Mounting by means of U-bolts (included)

Mast/wall mounting.



Impedance Measurements:

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

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