



[invelco@invelco.com](mailto:invelco@invelco.com)



## 100KHZ - 1.6MHZ NAVTEX ANTENNA (74') MODEL AT-111-W



- Vertical antenna self-supported of 74 feet (22.7 meters) with internal charge coil extension.
- Typical applications:
  - Maritime coast stations.
  - Navtex communications.

The antenna model AT-111-W is made of fiberglass and installed self-supported with no struts, obtaining high performances in wind resistance and adverse climatological conditions.

This antenna is designed for communications applications in the range from 100KHz to 1.6MHz, for its use in maritime coast stations, aviation communications as well as all type of communications in telegraphy, telephone, etc. In the range of the H.F.

A complete radiant system of great efficiency can be formed when combined with the AC-160-W antenna coupler.

The antenna must be executed in its installation with a good ground to obtain better efficiency.

The antenna supports itself by stainless steel studs fitted in a concrete base or other anchorage capable of supporting the weight of the antenna (135 Kg) and the weight originated by the wind on the antenna.



Coupler not included

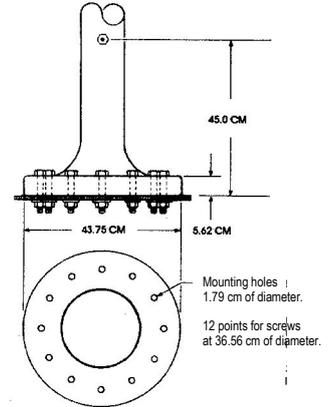
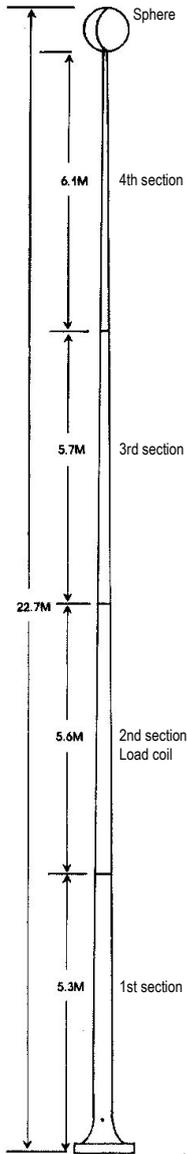
This antenna has a charge coil inside the fibreglass which forms part of the second section with the intention of making easier its coupling and increase the editing efficiency.

**100KHZ - 1.6MHZ NAVEX ANTENNA (74') MODEL AT-111-W**

**TECHNICAL CHARACTERISTICS**

**CHARACTERISTICS**

- High efficiency.
- Internal charge coil.
- Internal reinforced radiant system.
- Made of fiberglass.
- Very low cost of installation.
- Very low cost of maintenance.



**ELECTRIC CHARACTERISTICS**

- Frequency range**  
100KHz to 1.6MHz

---

- Resonance frequency**  
From 100KHz to 1.6 MHz to be specified by the buyer.

---

- Power**  
1.5Kw

---

- Insulation voltage**  
25 KV

---

- Electric length**  
Varies according to the charge coil

---

**MECHANICAL CHARACTERISTICS**

- Length**  
74' (22.7 meters)

---

- Material**  
Fiberglass

---

- Completion**  
In sphere

---

- Internal Material**  
Treated bronze

---

- Wind resistance**  
At 240 Km/h

---

- Ice test**  
1.87 cm Ice at 160 Km/h

---

- Erosion resistance**  
Good

---

- Centre of gravity**  
At 7.6 meters

---

- Operating temperature**  
-50°C to +65°C

---

- Finish**  
Epoxy paint

---

- Weight**  
135 Kg

---