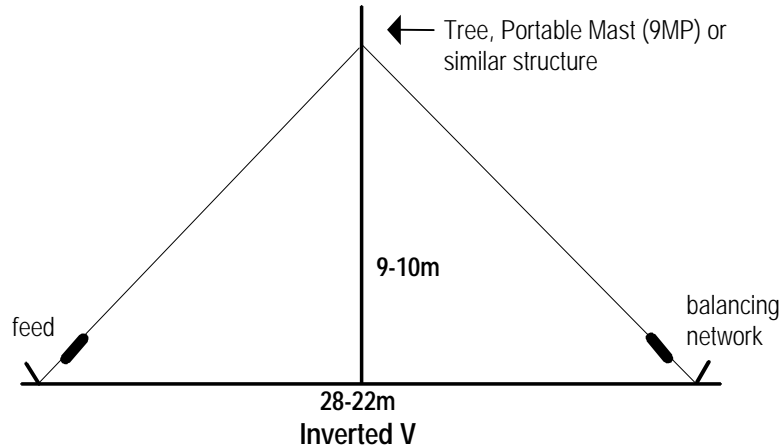




# MOONRAKER

## Type HF EF 2-30

### HF end fed broadband base station antenna



Designed to provide a compact efficient HF broadband base station for short to medium range communications without the need for an antenna coupler.

The HF EF 2-30 antenna system is compact in size, easily erected in the space saving *inverted v* configuration from a single central support, such as a mast, tree, building or similar structure. The Moonraker types 9MP or 12GM are suitable.

The radiating element is stainless steel wire rope to provide protection from environmental damage. Fittings are also of stainless steel with high quality insulators. The antenna is supplied complete with a matching transformer, with integral coaxial connector, a balancing network termination and two earth stakes. For areas of very poor ground conductivity an interconnecting wire between the end stakes is recommended.

The system provides efficient communications over the HF range from 2 to 30 MHz.

## SPECIFICATIONS

<b>Antenna Length</b>	30m (98ft)
<b>Frequency Range</b>	2-30 MHz
<b>Impedance</b>	50 $\Omega$ (nominal)
<b>VSWR</b>	<1.8:1 2-22 MHz; <2.5:1 22-30 MHz (as measured at the antenna input)
<b>Radiation Pattern</b>	High angle omnidirectional (azimuth)
<b>Power Capability</b>	100w CW, 250w PEP
<b>Connection</b>	via coaxial cable (option)
<b>Recommended Height</b>	10m (33ft) minimum at centre (mast/tower)
<b>Gain (maximum)</b>	better than 5dB
<b>Wind Rating</b>	210 km/h (130 mph)
<b>Packed Weight</b>	3 kg (6.6 lbs)
<b>Packed Size</b>	365x365x190mm (9.3x9.3x7.5 in)

Specifications subject to change 5/03

**Moonraker Australia Pty. Ltd.** A.B.N. 57 009 531 211

**Tasmania Technopark, Dowsing Point 7010, Tasmania Australia**

Website: [www.moonraker.com.au](http://www.moonraker.com.au) Telephone 61 (0)3 6273 1533 Fax: 61 (0)3 6273 1749 Email: [radiocom@moonraker.com.au](mailto:radiocom@moonraker.com.au)