

# M O O N R A K E R

## Type 15W

### Marine HF antenna for vessels over 5.5 metres (18 feet)

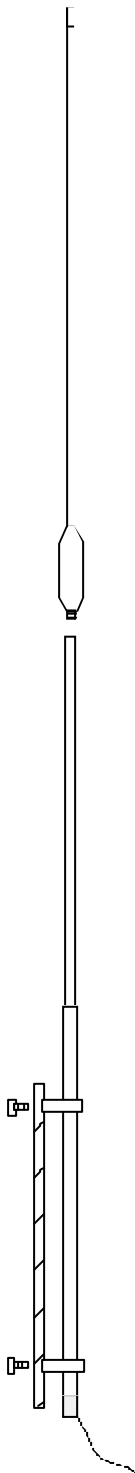
Designed to provide high efficiency communications in both the transmit and receive modes for professional use in the HF Band range from 2-30 MHz where a larger antenna may not be fitted.

The 15W is a compact 4.6m (15ft) whip, easily assembled from two sections [base: 2.7m (9ft); top: 1.85m (6ft)] which screw together on a self locking taper.

Construction is of marine grade tempered aluminium alloy, which provides a large low loss radiating surface, coated with black (optionally white) PVC for extra protection from the marine environment and ultra violet radiation. Fittings are of nylon, stainless steel and chromed bronze with low loss coils.

It is available unloaded or resonant at a single frequency (the highest to be used, normally 2.6, 4.6, 6.3, 8.3 or 10 MHz). For operation on frequencies lower than the resonant frequency, the difference is made up in the ATU.

### SPECIFICATIONS



<b>HF Marine Band</b>	2-30 MHz
<b>Length</b>	4.6 metres (15 ft)
<b>Pattern</b>	Omnidirectional
<b>Polarisation</b>	Vertical
<b>Base Diameter</b>	20mm (¾ in)
<b>Frequency Range</b>	Pretuned to frequency, or unloaded 2-30 MHz with suitable ATU
<b>Wind Loading</b>	3.5 kg at 100 km/h (7.7 lbs at 60 mph) 5.9 kg at 130 km/h (13 lbs at 81 mph)
<b>Power Capability</b>	500W PEP for unloaded top sections, 300W PEP for normal loaded top sections; higher power to order
<b>Mountings</b>	Two 63mm (2.5 in) nylon clamp type insulators, 35mm (1.375 in) diameter, threaded to take 3/8 inch UNC Whitworth bolt (not supplied); insulator spacing not less than 45cm (1.5 ft)
<b>Connection</b>	Silicone insulated flexible cable tail 2m long (6.5 ft) 56/0.3 tinned copper; length should not exceed that provided for correct operation on the higher frequencies
<b>Packed Weight</b>	3 kg (6.6 lbs) with mountings

Specifications subject to change 11/97

**Moonraker Australia Pty. Ltd.** A.C.N. 009 531 211

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

Telephone 61 (0)3 6273 1533 Fax: 61 (0)3 6273 1749 Email: radiocom@moonraker.com.au