

M O O N R A K E R

Type 18W

Marine HF antenna for vessels over 9 metres (30 feet)

Designed as a high efficiency compact whip, in both the transmit and receive modes, for professional use in the HF Band range from 2-30 MHz.

The 18W, a 5.5m (18ft) heavy duty whip, is comprised of two sections [base: 3.65m (12ft); top: 1.85m (6ft)] which screw together on a self locking taper.

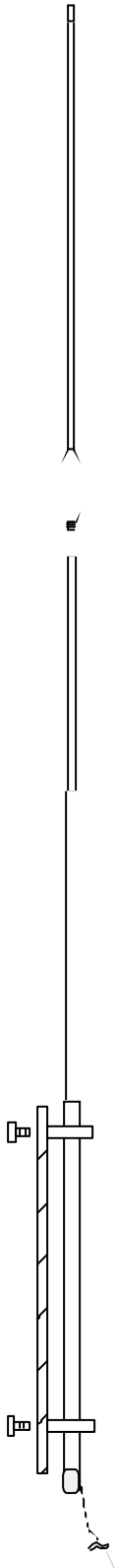
It is constructed from marine grade tempered aluminium alloy which provides a large low loss radiating surface and is coated with black (optionally white) PVC for extra protection from the marine environment and ultra violet radiation. Fittings are of nylon, stainless steel and chromed bronze with low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

It is available unloaded, resonant at a single frequency (the highest to be used, normally 2.6, 4.6, 6.3, 8.3 or 10 MHz) or resonant at two frequencies (8.3 and 12.4 MHz). For operation on frequencies lower than the resonant frequency, the difference is made up in the ATU.

SPECIFICATIONS

HF Marine Band	2-30 MHz
Length	5.5 metres (18 ft)
Pattern	Omnidirectional
Polarisation	Vertical
Base Diameter	23mm (0.875 in)
Frequency Range	Pretuned to frequency or frequencies required, or unloaded 2-30 MHz with suitable ATU
Wind Loading	4.9 kg at 100 km/h (10.8 lbs at 60 mph) 8.3 kg at 130 km/h (18.3 lbs at 81 mph)
Power Capability	800W PEP for unloaded top sections, 600W PEP for normal loaded top sections; 400W PEP for trapped top sections; higher power to order
Mountings	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). Minimum insulator spacing not less than 60cm (2 ft)
Connection	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
Packed Weight	4 kg (8.8 lbs) with mountings

Specifications subject to change 11/97



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