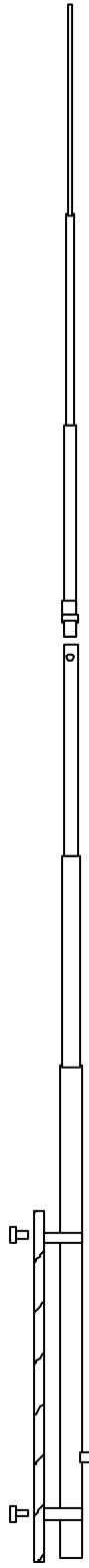


M O O N R A K E R

Type 23H/S

Higher power capability ruggedised marine HF whip antenna for professional use on vessels over 18 metres (60 feet)



The type 23H/S is a 7 metre (23 ft) heavy duty self supporting whip antenna with a power capability of 1.2 kW PEP in the frequency range 1.6 to 30 MHz. This is a side mounting version of the military type 23B/3C. Wind survival is to 240 km/h (150 mph) without permanent deformation effects.

The 23H/S utilises two side mounting insulators with the RF feed point placed just above the position for the lower insulator. Construction is from laminated heavy gauge marine grade aluminium alloy tubing, providing a large low loss surface area for maximum radiating efficiency. The radiator is fully protected by a high durability epoxy based coating, highly resistant to chemical attack, abrasion and the effects of ozone and ultra-violet radiation. Standard colour is black.

For ease of transport, the antenna breaks down into two sections [base 3.76m (12.3 ft); top 3.35m (11 ft)] which slip together and fasten with four stainless steel locking screws.

The 23H/S is available unloaded or resonant at a single frequency of 4.6 MHz. For operation on frequencies other than the resonant frequency, the difference is made up in the antenna tuning unit.

Specifications

HF Marine Band	1.6-30 MHz
Length	7.0 metres (23 ft)
Pattern	Omnidirectional
Polarisation	Vertical
Frequency Range	Pretuned to 4.6 MHz or, unloaded, 1.6-30 MHz with suitable ATU
Wind Loading	8.8 kg at 100 km/h (19.5 lbs at 60 mph) 20 kg at 150 km/h (44 lbs at 94 mph) Antenna survival : 250 km/h (156 mph)
Power Capability	1.2 kW PEP for unloaded top sections, 800 w PEP for 4.6 MHz top sections
Radiator	Total radiating surface: 5,500 sq cm (5.9 sq ft)
Mountings	Two 100 mm (4 in) nylon clamp type insulators, 50 mm diameter, threaded to take ½ in Whitworth bolt (not supplied); insulator spacing not less than 0.9 m (3 ft)
Connection	1/4 in Whitworth stainless steel stud and lock nuts direct to antenna
Packed Weight	8 kg (17.6 lbs)

Specifications subject to change 6/01

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