

MOONRAKER

Type 29W

Marine HF Antenna for large vessels over 18 metres (60 feet)

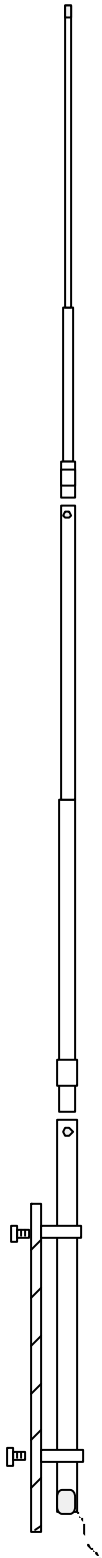
Designed to provide extremely high radiating efficiency for the professional user on the marine communications channels from 2-30 MHz.

The 29W is a highly efficient, self supporting whip which maximises performance both in the transmit and receive modes, thus requiring less operating power.

Construction is of heavy gauge marine grade aluminium alloy tubing to give a large low loss surface area for maximum radiating efficiency. The antenna is coated with a high durability epoxy based coating, for full protection from the marine environment, and coloured black (option of white) for maximum protection from ultra violet radiation. Fittings are of nylon and stainless steel with low loss loading coils and/or traps 2.75 metres (9 ft) from the top.

For ease of transport it breaks down into three sections, the largest of which is 3.65 metres (12 ft).

It is available unloaded, resonant at a single frequency (the highest to be used - normally 2.6, 4.6 or 6.3 MHz), or resonant at three frequencies (4.6, 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	8.8 metres (29 ft)
Pattern	Omnidirectional
Polarisation	Vertical
Base Diameter	32mm (1.25 in)
Frequency Range	Pretuned to frequency or frequencies required, or unloaded 2-30 MHz with suitable ATU
Wind Loading	10.4 kg at 100 km/h (22.9 lbs at 60 mph) 17.6 kg at 130 km/h (38.7 lbs at 81 mph)
Power Capability	1 kW PEP for normal loaded or unloaded top sections; 500 W PEP for trapped top sections; higher power to order
Mountings	Two 100mm (4 in) nylon clamp type insulators, 50mm (2 in) diameter, threaded to take ½ inch Whitworth bolt (not supplied); insulator spacing not less than 1.4 m (4.5 ft)
Connection	Silicone insulated flexible cable tail 2.5 m long (8 ft) 56/0.3 tinned copper; length should not exceed that provided for correct operation on the higher frequencies
Packed Weight	8 kg (17.6 lbs) with mountings

Specifications subject to change 9/96

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