

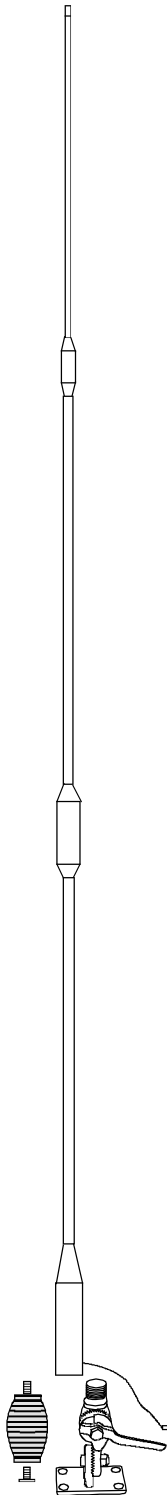


M O O N R A K E R

Type MMD 3088



Broadband VHF Military Marine Mobile Antenna System



A rugged, ground independent centre fed dipole antenna giving broadband transmitting and receiving performance across the VHF military band from 30 to 88 MHz with minimum signal attenuation.

The antenna system is designed to work without a ground plane. The coaxial cable connection is DC isolated from the antenna ground to guard against electrolysis.

Radiation is vertically polarised and is omnidirectional in the azimuth plane.

Construction is from marine grade, low corrosion tempered aluminium alloy tubing, completely coated with black PVC to provide maximum protection from the harsh marine environment and ultra-violet radiation.

The base mounting section housing the matching unit is 'O' ring sealed with attachment connection via a ½ inch Whitworth or 12mm metric thread in base, or stainless steel spring fitted to base, or stainless steel swingdown mount (1 inch thread).

Specifications

Frequency Range	30-88 MHz.
Overall Length (approx)	3.2m (10.5ft)
Radiator Diameter	23mm (7/8 in) tapering to 12.7mm (1/2in)
Base Diameter	44mm (1.73 in)
Impedance	50Ω nominal
Power Capability	100w continuous
Gain (approx)	better than -10 dBi at 30 MHz, -1.5 dBi at 60 MHz, +1.0 dBi at 88 MHz
VSWR	<3.5:1
Pattern	Omnidirectional
Polarisation	Vertical
Wind Survival	Designed to withstand wind velocities of 160 km/h (100 mph) no ice and 80 km/h (50 mph) with 25mm (1 in) radial ice build up
Connector	as required; please specify
Mounting	Via ½ in Whit or 12mm metric thread in base, stainless steel spring fitted to base; or stainless steel swingdown mount (specify). Sidemount version to order.
Weight	Antenna only 2kg (4.4 lbs); packed 3kg (6.6 lbs)

Specifications subject to change 05/10

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