



# MOONRAKER

## Type MMD 3088

### Broadband VHF Military Marine Mobile Antenna System

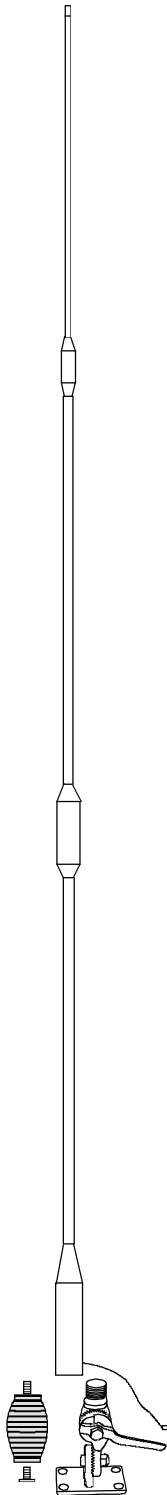
A rugged, ground independent centre fed dipole antenna giving broadband transmitting and receiving performance across the VHF military band from 30 to 88 MHz with minimum signal attenuation.

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 1/2 inch Whitworth thread in base, or stainless steel spring fitted to base, or stainless steel swingdown mount (1 inch thread).



### Specifications

<b>Frequency Range</b>	30-88 MHz.
<b>Overall Length</b> (approx)	3.2m (10.5ft)
<b>Radiator Diameter</b>	23mm (7/8 in) tapering to 12.7mm (1/2in)
<b>Base Diameter</b>	44mm (1.73 in)
<b>Impedance</b>	50Ω nominal
<b>Power Capability</b>	100w continuous
<b>Gain</b> (approx)	better than -10 dBi at 30 MHz, -1.5 dBi at 60 MHz, +1.0 dBi at 88 MHz
<b>VSWR</b>	<3.5:1
<b>Pattern</b>	Omnidirectional
<b>Polarisation</b>	Vertical
<b>Wind Survival</b>	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
<b>Connector</b>	as required; please specify
<b>Mounting</b>	Via 1/2 in Whit thread in base, or stainless steel spring fitted to base; or stainless steel swingdown mount (specify)
<b>Weight</b>	Antenna only 2kg (4.4 lbs); packed 3kg (6.6 lbs)

Specifications subject to change 04/05

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