

Section 6

MARINE ANTENNAS

Updated 1 April 2011

**BM6-VHF and BM8-VHF
VHF Marine
Deck Mount**

**Frequency
156 – 162 MHz**

**Bandwidth
FULL BAND**



Ground independent and factory tuned to cover the full VHF Marine Band 156 to 162 MHz, these deck mount antennas are a perfect match in both height and appearance to other ZCG Scalar “BM” series marine antennas.

- ↻ **BM6-VHF** stands 2 metres tall.
- ↻ **BM8-VHF** is 2.5 metres tall.

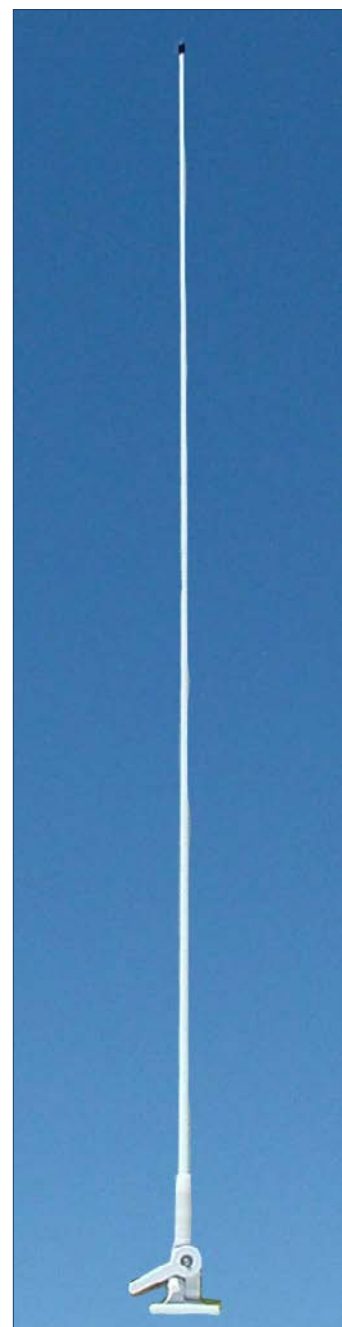
Both VHF deck mount models are rated for up to 25 watts input power.

Construction consists of copper radiators fully sealed inside a single piece white fibreglass radome ensuring long term survival in the harsh marine environment. The end fed half wave design provides excellent performance.

4.5 metres of RG58 low loss stranded cable side exits from the folding base. Cut the cable to the shortest length necessary prior to fitting the UHF Male solder connector provided.

The **MM1** folding deck mount supplied is constructed from toughened plastic. This base folds down in two directions and also swivels in the opposite plane by loosening the stainless steel pivot bolt. This versatility allows the antenna to be mounted in a variety of positions on any flat surface and at any angle using four screws or bolts.

The antenna must be in a vertical position for optimum performance and can be folded down flat when not required.



SPECIFICATIONS	BM6-VHF	BM8-VHF
Construction	Copper internals, single piece white fibreglass radome, white delrin ferrule 1"-14 UNS female thread, MM1 base	
Frequency	VHF Marine 156 to 162 MHz Full Band	
Tuning	Factory	Factory
VSWR	Better than 1.5:1	Better than 1.5:1
Gain	2.1 dBi	2.1 dBi
Max Input Power	25 Watts	25 Watts
Impedance	50 Ohms	50 Ohms
Polarisation	Vertical	Vertical
H-Plane	360° Omnidirectional	360° Omnidirectional
Cable	4.5 metres RG58 low loss stranded cable side exits base	
Connector	UHF Male solder connector supplied, not fitted (PL259)	
Height (inc mount)	2.0 metres	2.5 metres
Weight (inc mount)	1 kg	1.5 kg
Folding Deck Mount Base Supplied	MM1	MM1

These antennas are identical in appearance to :

- BM6-27, BM8-27** 27 MHz Marine
- BM6-DB, BM8-DB** Mobile Phone
- BM6-AM/FM, BM8-AM/FM** Radio Receive



UHF Male solder connector supplied, not fitted. (Also known as PL259.)



The **MM1** folding deck mount supplied is constructed from toughened plastic.