

## Section 6

### MARINE ANTENNAS

Updated 10 August 2011

### BM6-27 and BM8-27 27.88 MHz Marine Radio Deck Mount



Ground independent and factory tuned for 27.88 MHz marine radio communications, these Base Model deck mount antennas are a perfect match in both height and appearance to other ZCG Scalar "BM" series marine antennas.

- ⇒ **BM6-27** stands 2 metres tall.
- ⇒ **BM8-27** is 2.5 metres tall.

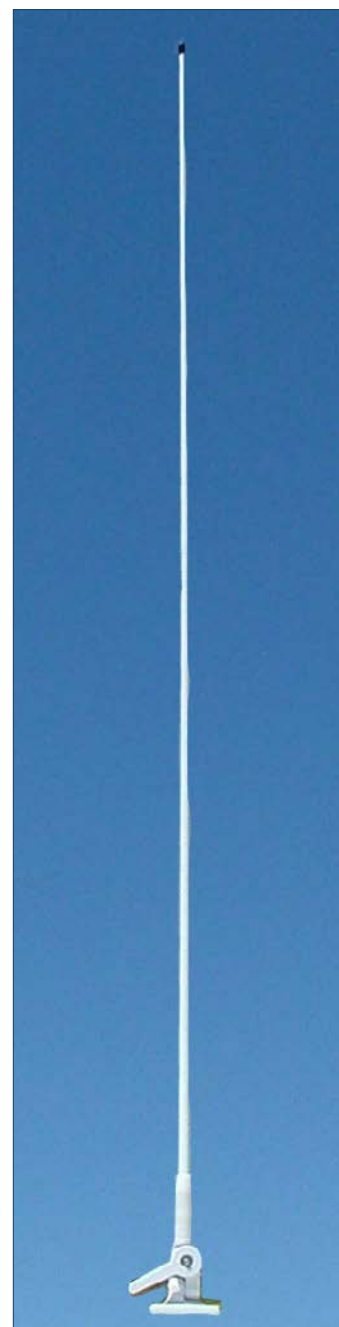
Construction consists of copper radiators fully sealed inside a single piece white fibreglass radome ensuring long term survival in the harsh marine environment. The end fed half wave design provides excellent performance.

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	BM6-27	BM8-27
<b>Construction</b>	Copper internals, single piece white fibreglass radome, white delrin ferrule 1"-14 UNS female thread, MM1 base	
<b>Frequency</b>	<b>27.88 MHz Marine Radio</b>	
<b>Tuning</b>	Factory	Factory
<b>VSWR</b>	Better than 1.5:1	Better than 1.5:1
<b>Gain</b>	<b>2.1 dBi</b>	<b>2.1 dBi</b>
<b>Max Input Power</b>	25 Watts	25 Watts
<b>Impedance</b>	50 Ohms	50 Ohms
<b>Polarisation</b>	Vertical	Vertical
<b>H-Plane</b>	360° Omnidirectional	360° Omnidirectional
<b>Cable</b>	4.5 metres RG58 low loss stranded cable side exits base	
<b>Connector</b>	UHF Male solder connector supplied, not fitted (PL259)	
<b>Height (inc mount)</b>	2.0 metres	2.5 metres
<b>Weight (inc mount)</b>	1 kg	1.5 kg
<b>Folding Deck Mount Base Supplied</b>	<b>MM1</b>	<b>MM1</b>



These antennas are identical in appearance to :

- BM6-VHF, BM8-VHF** VHF 156-162 MHz
- 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.