

## HM218-M & HM223-M

### 2-piece mast mount collinear Marine HF 2-30MHz

The HM218-M and HM223-M are suitable for all HF marine communications within the 2-30MHz range. These antennas offer top performance together with a two-piece construction enabling easy dismantling and reduced storage area required.

This antenna is designed to couple with transmitters via an Antenna Tuning Unit (A.T.U.). Please check whether A.T.U. specification will load the given length of radiator for this antenna at your lowest frequency required.

Mounting hardware, water-proofing, bird proofing and other installation accessories are all available separately.

Specifications	HM218-M	HM223-M
Construction	Two-piece white radome, chrome joining ferrule and 304 stainless steel mounting section	
Frequency range	Marine HF 2-30MHz - <u>using suitable A.T.U.</u>	
Tuning	Field tuning using A.T.U.	
Gain	2.1 dBi	2.1 dBi
Maximum power	500 Watts PEP	1,400 Watts PEP
Impedance - nominal	An A.T.U. is required to match to 50 Ohms	
Polarisation	Vertical	Vertical
Cable	6 metres 20kV single core cable	
Termination	Stainless steel termination lug 25mm x 25mm	
Height - assembled:	6.0 metres	8.1 metres
Height - packed:	3.5 metres	4.3 metres
Weight	3.0kg	8.0kg
Projected area	0.136m <sup>2</sup>	0.215m <sup>2</sup>
Wind load at 160kph	16.46kg, 0.163kN	25.99kg, 0.255kN
Mount section	600mm x 38mm	840mm x 50mm
Mast mounting (order separate)	2 x UAM180L heavy-duty parallel clamps or 2 x UAM90L heavy-duty right-angle clamps	
Side/wall mounting (order separate)	2 x NSM-218	2 x NSM-223
Mounting position (recommended)	Mount as high on your vessel or structure as possible using appropriate mounting hardware. Ensure no obstructions around antenna.	



UAM180L



UAM90L



NSM-218 or NSM-223