AC MARINE

RADref-p3w

Radar reflector for offshore powerboats

RADref-p3w is designed with a mounting bracket and is most suitable for the use of powerboats and inflatables. It provides a radar cross section of 3 m^2. The reflector is made of ABS- and PVC plastics and marine grade aluminium. Due to the rugged design and the materials used, this reflector is in top quality and has less chance of chafing to the sails and rigging compared to similar products.

The best performance is achieved when mounting the radar reflector on the coach roof, a targa or a tunatower in a vertical position as high as possible above the deck. There are 4 holes for fasteners on the mounting bracket, and the reflector is easy to remove when not in use. In order to not block the radar signal, it is important to avoid mounting the reflector in the shadow of sails and other equipment on board e.g. antennas.

Mechanical Specification:

Material	Aluminium, ABS- and PVC plastics
Dimensions	Ø100-Ø380mm
Height (m/ft)	0.40/1.30
Weight	0.78kg (1.71 lbs)
The Foot (cm/ft)	16x12/0.50x0.40
Mounting method	In the coach roof, a targa or a tunatower
Radar cross section	3 m^2

Principles of the AC Marine radar reflector construction

AC Marine radar reflector is constructed as a multi reflector build by many dihedral reflectors placed on top of each other in a pipe which enables staggering of each of the reflectors and thereby ensures 360 ^{o} full coverage. This construction ensures the most effective reflection of electromagnetic radar signals which is due to the many angles covered as well as the compact size of the reflector.

AC Marine A/S · Pilehoej Vaenge 8E · DK-3460 Birkeroed · Tel.: +45 45 81 04 13
acmarine@acmarine.dk · www.acmarine.dk

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