

### **Dual-Frequency Capability** With Excellent Bottom Detail

The M177 features a wide variety of frequencies from 500 W to 2 kW. The performance options meet most survey requirements in shallow to deep water. Highly efficient, ceramic-element arrays provide excellent bottom detail.

#### **Options**

- Impedance to customer's specifications using matching
- Available as special-order unit with 28 kHz, 40 kHz, or 75 kHz array

## External-Mount

# 500 W - 2 kW **Broadband**

### **Applications**

Shallow and deep-water survey

### **Features**

- Fairing vertically orients sound beam for stronger return echoes resulting in optimal, sounder performance
- Stuffing tubes are available to form a watertight conduit for cable routing and are available in a variety of materials to match all hull types
- Streamlined shape minimizes drag
- Can be mounted as an in-hull in a fiberglass hull
- Fairing is easy-to-cut and will not swell
- All mounting hardware included
- Seamless, SEALCAST™, urethane housing for long life underwater



www.airmar.com

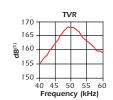


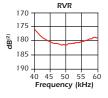
Frequencies	Configuration	Beamwidth (@-3 dB)	RMS Power (W)	FOM (dB)	Q	Series Impedance (R-jX)
28 kHz-E	<b>₩</b> A	29°	1 kW	-14	9	70-j0(t)
33 kHz-E	В	23°	700 W	-13	7	70-j0(t)
38 kHz-B	<b>⇔</b> c	20°	1 kW	-11	7	60-j0(t)
50 kHz-T	<b>₩</b> D	15°	1 kW	-13	8	80-j0(t)
200 kHz-S	E	4°	2 kW	-7	20	80-j40(t)
200 kHz-Slq	F	5°	2 kW	-5	6	60-j0(t)
200 kHz-BClq Broadband	O G	8°	500 W	-16	2.3	60-j0(t)

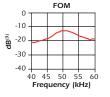
#### Technical Data-50 kHz-T

TVR in dB re 1µPa/Volt at 1 m

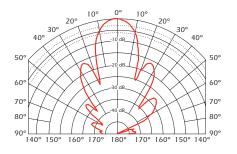
RVR in dB re 1 Volt/µPa







## Directivity Pattern-50 kHz-T



#### **SPECIFICATIONS**

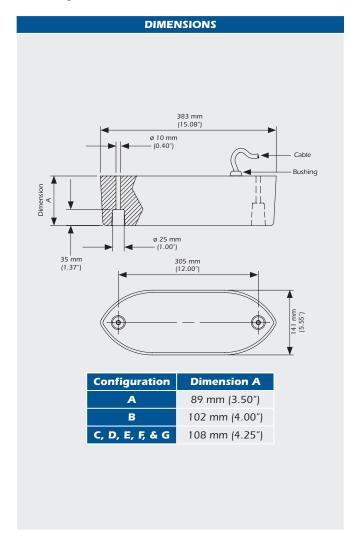
Weight\*: Varies depending on configuration (Call for weight)

Acoustic Window: Urethane

Cable Type: C-44

Three shielded twisted pairs (two 2-18 AWG and one 2-22 AWG) with foil and braided shield overall, black TPR jacket, 11 mm (7/16") diameter

\*Without fairing and installation kit







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