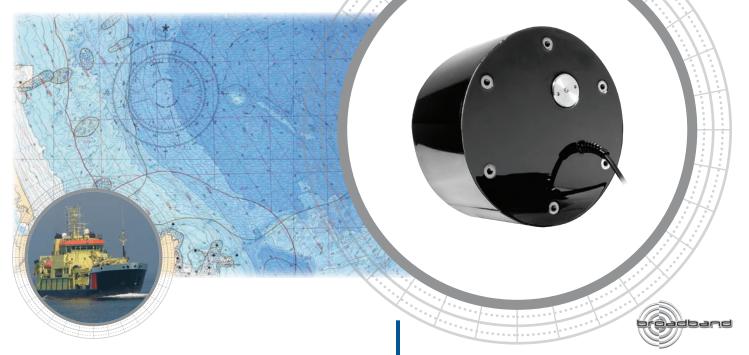
M74



Low-Frequency Performance

The M74 features low-frequency, ceramic arrays for exceptional deep-water performance and sub-bottom detail. This transducer can be "chirped" with a longer pulse over a wide-frequency band.

Options

- Impedance to customer's specifications using matching transformer
- Bulkhead or in-line connector to customer specifications

External-Mount 4 kW/ Broadband

Applications

- Survey echosounding
- Sub-bottom profiling

Features

- Long, acoustic paths
- Matching transformer provides pure, resistive load
- Transducer features a transformer-access pocket for simplified, field repair
- Housing features six, threaded, mounting points
- Seamless, SEALCAST™, urethane housing for long life underwater







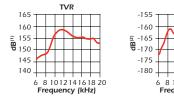
Frequencies	Configuration	Beamwidth (@-3 dB)	RMS Power (kW/)	FOM (dB)	Q	Series Impedance (R-jX)
12 kHz-J	6600 A	20°	4 kW	-9.5	2.4	60-j0(Ω)
15 kHz-C	6000 в 6000 в	17°	4 kW	-10	2	60-j0(Ω)

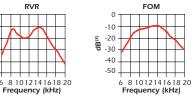
RVR

Technical Data—12 kHz-J

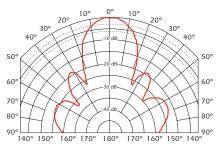
TVR in dB re 1 μ Pa/Volt at 1 m

RVR in dB re 1 Volt/µPa





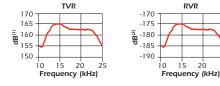
Directivity Pattern—12 kHz-J

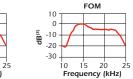


Technical Data—15 kHz-C

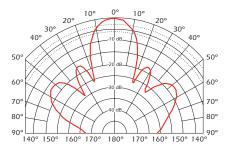
TVR in dB re 1µPa/Volt at 1 m

RVR in dB re 1 Volt/µPa





Directivity Pattern—15 kHz-C







SPECIFICATIONS

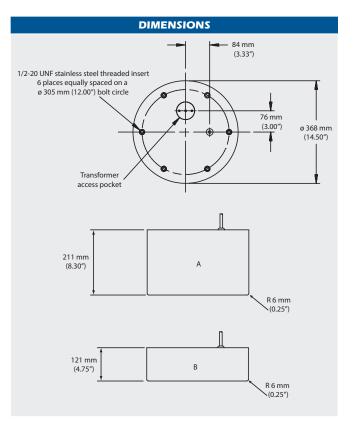
Weight*:

A—74.5 kg (164 lb) B—40 kg (88 lb)

Acoustic Window: Urethane

Cable Type: C-43 Shielded twisted pair (2-14 AWG) with braided shield, black neoprene jacket, 10 mm (13/32") diameter

*Weights may vary depending on the cable length and configuration.



©Airmar Technology Corporation

M74_rl 06/26/20

As Airmar constantly improves its products, all specifications are subject to change without notice. All Airmar products are designed to provide high levels of accuracy and reliability, however they should only be used as aids to navigation and not as a replacement for traditional navigation aids and techniques. SEALCAST^M is a trademark of Airmar Technology Corporation. Other company or product names mentioned in this document may be trademarks or registered trademarks of their respective companies, which are not affiliated with Airmar.