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
Technical Information

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

Technical Data—12 kHz-J
TVR in dB re 1 µPa/Volt at 1 m

Technical Data—15 kHz-C
TVR in dB re 1 µPa/Volt at 1 m

Directivity Pattern—12 kHz-J

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.

DIMENSIONS

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