

Preliminary

B265LH



The Next Frontier

Imagine knowing what exact frequencies work the best at detecting specific fish species: Bluefin Tuna—60 kHz, Squid—133 kHz, and Cod—175 kHz. Now imagine tuning your fishfinder to these frequencies, marking the fish precisely on the screen, then catching them! With the B265LH transducer connected to a tunable fishfinder, you too can have a log book like a commercial fisherman. This powerhouse transducer delivers extreme target detail, bottom discrimination, and bait and game fish separation at all depths down to 914 m (3,000'). The Broadband B265LH is the industry's first, fully-tunable, 1 kW, thru-hull transducer. As tunable fishfinders become more common in the sportfishing market, captains will adjust the fishfinder and transducer frequency based on the fishing conditions and target species.

Fully Tunable

The B265LH is packed with a seven-element, low-frequency array that operates at anywhere between 42 kHz and 65 kHz. It has a wide, 25° beam that will adjust by several degrees as the frequency is tuned up or down the band. The single, high-frequency ceramic operates at any frequency between 130 kHz and 210 kHz and has a narrow, 6° beam that is adjustable by several degrees. The included High-Performance Fairing will give you broadband performance at speeds over 30 knots (34 MPH). We will leave it up to you to discover the rest of the secrets that can be unlocked with tunable, Broadband Transducer Technology.



Sensing Technology

Thru-Hull 1 kW FM & Chirp

Tunable Broadband

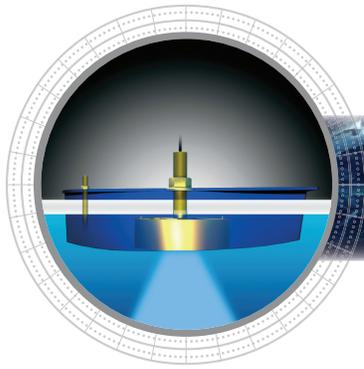
Fishing Applications

- Tuna, marlin, and in-shore game fish
- Bottom and wreck fishing down to 800 m (2,625')
- Commercial fishing

Features

- Designed for next generation FM and Chirp tunable sounders
- Operates at **any** frequency between 42 kHz to 65 kHz and 130 kHz to 210 kHz
- Depth and fast-response water-temperature sensor
- Bronze housing
- Four separate wires for low and high frequencies
- Interfaces to any 600 W or 1 kW echosounder
- Recommended for sportfishing boats above 9 m (30') and small to mid-size commercial fishing boats
- Optionally available as B265LM, low and medium-frequency (85 kHz to 135 kHz)

www.airmar.com



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Technical Information

	42-65 kHz	130-210 kHz
Elements		
Pulse Power*	1 kW	1 kW
Nominal TVR	167 dB	166 dB
Nominal RVR	-180 dB	-186 dB
Nominal FOM	-13 dB	-20 dB
Impedance	100 - 250 Ω	100 - 250 Ω

*The power rating is for conventional tone burst operation at 1% duty cycle. For longer duty cycle, Chirp, and FM operation and power rating for Broadband Transducers, contact Airmar.

MAXIMUM DEPTH RANGE	
Low-Frequency	High-Frequency
529 m to 735 m (1,800' to 2,500')	206 m to 294 m (700' to 1,000')

Directivity Patterns

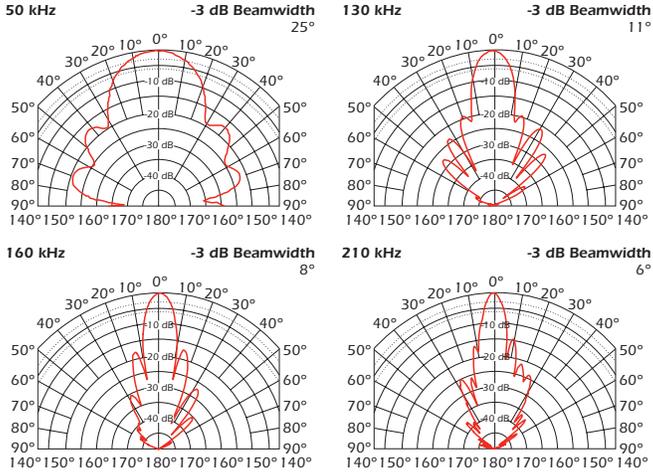
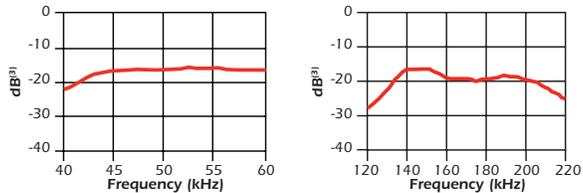


Figure of Merit

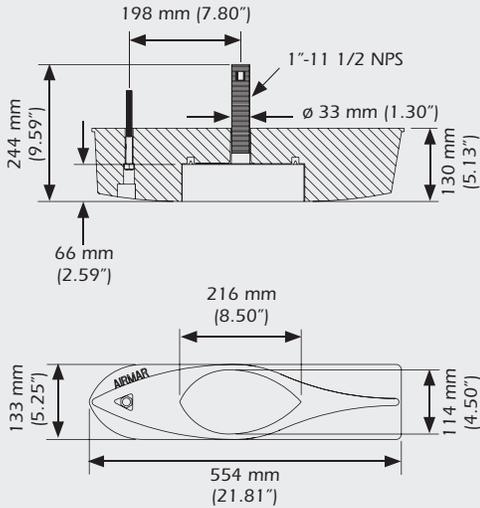
The graphs show that the B265LH can run optimally at a wide range of frequencies.



SPECIFICATIONS
Weight: 7.3 kg (16 lb)
Hull Deadrise: Up to 20° with fairing
Acoustic Window: Urethane

DIMENSIONS

Transducer and High-Performance Fairing



B265 Transducer

