

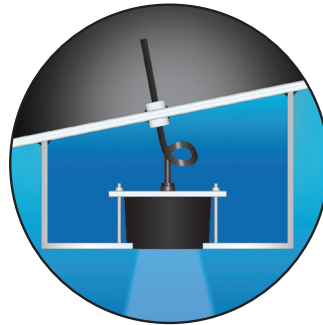
CM510L

3 kW Chirp-Ready Cavity Mount Transducer

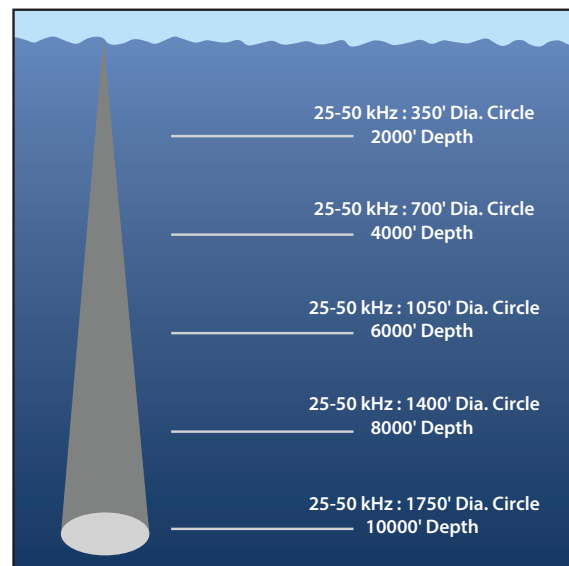
The CM510L is a 3 kW transducer with low frequency (25 to 50 kHz) Chirp capabilities. This transducer is perfect for commercial fishing applications where bottom discrimination and target resolution of bottom-fish species are critical to success. The CM510L delivers versatility to have one transducer for deep bottom longlining and still be able to have better performance for upper water column species like tuna. The bandwidth includes the popular 28 kHz, 38 kHz and 50 kHz plus every other frequency in the bandwidth. The CM510L provides better performance and higher acoustic efficiency than existing products on the market.

Features:

- Depth only
- 3 kW
- Maximum depth to 3,048 m (10,000')
- Low frequency: 25 to 50 kHz
- Beamwidths: 28 kHz — 10° (fore-aft) X 17° (port-starboard)
38 kHz — 8° (fore-aft) X 16° (port-starboard)
50 kHz — 7° (fore-aft) X 14° (port-starboard)
- Operates in Chirp mode or on discrete frequencies
- Covers popular fishing frequencies of 28, 38 and 50 kHz plus everything else in the bandwidth
- Epoxy housing designed for custom wet-box external mounting or pocket mounting
- Exclusive Xducer ID® technology



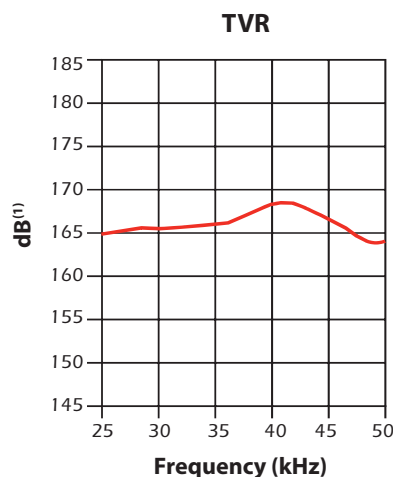
SPECIFICATIONS
Weight: 16.34 kg (36 lbs)
Cable Length: 25 m
Connector: None, bare wire
Hull material: Any hull material with external wet box or constructed pocket
Acoustic elements: 15 element array
Acoustic window: Epoxy
Dimensions: 14.76" (length) X 6.39" (width) X 4.86" (height) 375 mm (length) X 162 mm (width) X 123 mm (height)



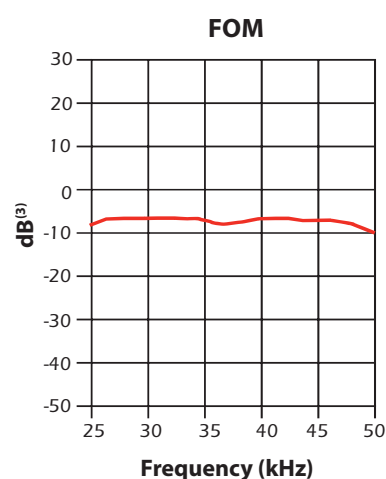
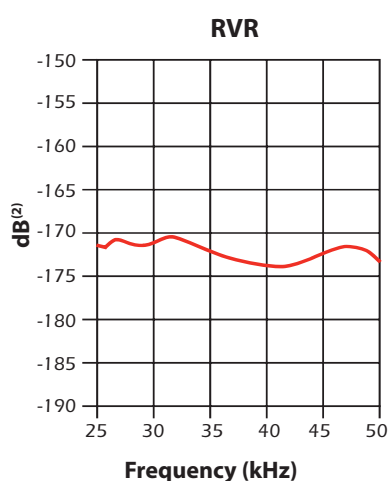
CM510L Chirp-Ready

Technical Data – 25 kHz to 50 kHz

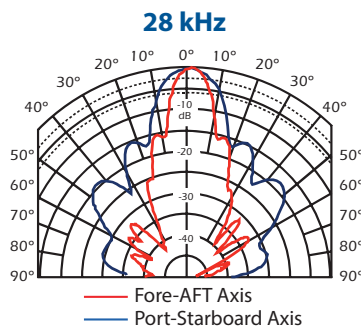
TVR in dB re 1 μ Pa/Volt at 1 m



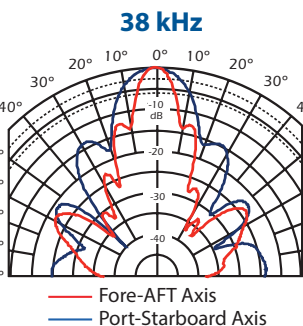
RVR in dB re 1 Volt/ μ Pa



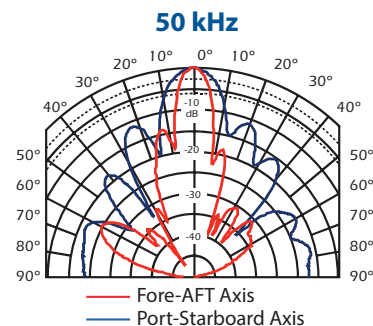
Directivity Pattern



Beamwidth	@28 kHz
-3 dB	10° / 17°
-6 dB	13° / 22°
-10 dB	16° / 29°

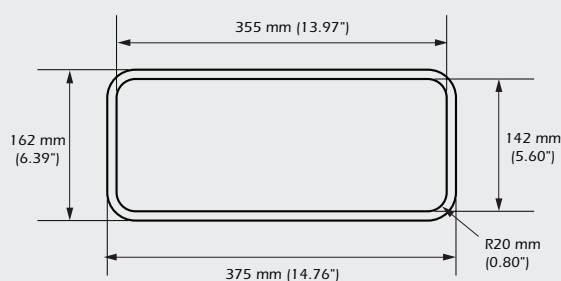
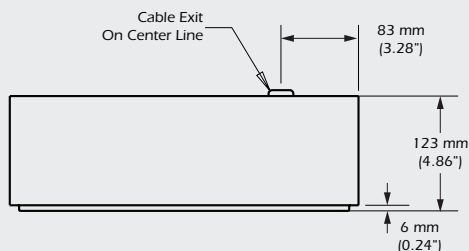


Beamwidth	@38 kHz
-3 dB	8° / 16°
-6 dB	12° / 23°
-10 dB	15° / 29°



Beamwidth	@50 kHz
-3 dB	7° / 14°
-6 dB	10° / 19°
-10 dB	13° / 24°

DIMENSIONS



www.airmar.com



©2020 Airmar Technology Corporation
 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. 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.

CM510L_DS_rB 11/25/20

