

B164 Tilted Element™

1 kW
Dual-Frequency

Step up to a 1 kW—
without a fairing!



Aim in the Right Direction

Airmar has taken our innovative Tilted Element™ technology to a higher power. The new 1 kW, B164 low-profile, tilted element transducer is perfect for fast, trailered tournament sport fishing vessels who cannot have a high-performance fairing. The low-profile, bronze housing protrudes less than 6.35 mm (0.25") outside your hull and can sit on trailer rollers and bunks with no damage at all.

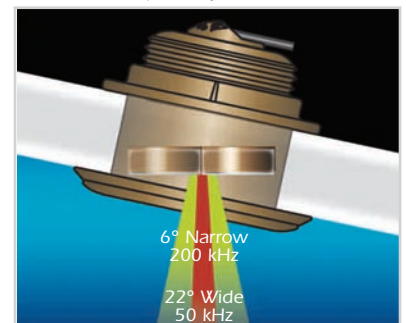
Fine Tune Your Fishing

The ceramic arrays are tilted inside the housing giving you the perfect vertical beam with maximum energy on what is directly below your boat. Take your fishfinder to the next power with Airmar's 1 kW tilted element transducers.

- Engineered for center console and trailered boats
- Low-profile design leaves no protrusions below the hull
- No effect on your boats running performance
- Interfaces to any 600 W or 1 kW sounder
- 1 kW power, 50/200 kHz operation
- Transducer face can sit on trailer rollers or bunks
- 0°, 12°, and 20° tilted versions
- Built-in temperature sensor




The ceramic elements are tilted inside the housing, which compensates for your boat's deadrise. This aims the beam straight toward the bottom, resulting in stronger echo returns and more accurate depth readings.



B164 Tilted Element™ Technical Information

1 kW
Dual-Frequency

Specifications

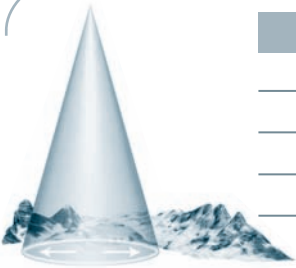
Frequencies	Number of Elements and Configuration	Beam Width (@-3dB)	Rated RMS Power (W)	TVR	RVR
50/200 kHz-G1q		22° x 20°	1 kW	158dB	-177dB
		6° x 6°	1 kW	168dB	-189dB

Weight: 2.7 kg (6 lb)

Hull Deadrise Angle: Up to 24°

	50 kHz	200 kHz
FOM	-23	-19
Q	7	17

Viewable Diameter Based on Depth



Depth	50 kHz	200 kHz
100'	39'	11'
400'	155'	42'
800'	311'	84'
1,000'	389'	105'

Tilted Element™ Comparison Chart

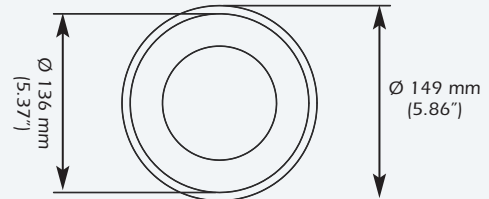
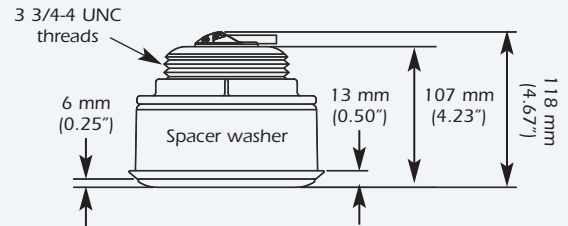
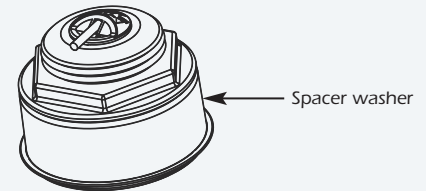


The chart compares a dual-frequency single-element 600 W transducer to the higher performance transducer models.

Model	Power	Rating	Performance Increase
B60, SS60	600 W	Good	Benchmark model for comparison
B164	1 kW	Better	6 times more sensitive at 50 kHz 2 times more sensitive at 200 kHz

B164 Dimensions

B164 transducer



92.25 mm (3.75") hole size

Performance



	50 kHz	200 kHz
Maximum	353 m to 529 m	152 m to 235 m
Depth Range	(1,200' to 1,800')	(500' to 800')

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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.