



Professional Series In-Hull

R399

The Broadband R399 is different from the R299. It operates at lower frequencies between 25 to 45 kHz and 130 to 210 kHz. Adjusting the frequency allows you to change the R399's beamwidth and depth capabilities. For example the narrow high-frequency beam will display extreme bottom detail and fish holding tight to structure. The wider, low-frequency beam will not only give deep-water bottom detail, but more importantly show you more of what is around your vessel—including bait which may attract game fish.

Features:

- Only transducer on the market that can operate at both 28 or 38 kHz
- Transducer can be easily removed from tank for service
- In-hull mounting eliminates cavitation and turbulence under the transducer's face resulting in precise readings—even at boat speeds above 30 knots (34 MPH)
- Included in-hull mounting tank is easily cut to the vessel's deadrise angle assuring sound waves are vertically oriented for optimal sounder performance

Performance:

	25/45 kHz-A	130/210 kHz-BRLq		
Target Resolution	Superb	Superb		
Bottom Definition	Superb	Superb		
Maximum Depth Range	735 m to 1,176 m (2,500' to 4,000')	235 m to 353 m (800' to 1,200')		



Hull material:
Fiberglass

Frequencies:	Beam Width: (@-3dB)	Rated RMS Power: (W)	Figure of Merit: (dB)	Q:
25/45 kHz-A	See*	3 kW	-5	3
130/210 kHz-BRLq	See*	2 kW	-12	2
Acoustic Window:	Epoxy			
Weight:	27.5 kg (60.6 lb)			
Hull Deadrise Angle:	0° to 25°			
*28 kHz	11° x 17°			
*38 kHz	9° x 15°			
*45 kHz	7° x 13°			
*140 kHz	7°			
*170 kHz	6°			
*200 kHz	5°			

Also see:

M260, R99, R199, R299, R309



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Applications:

- Mid-sized to large sport fishing boats
- In-hull installation over solid fiberglass only
- Small to mid-sized fiberglass commercial fishing boats

Notes:

- Mineral oil and non-toxic antifreeze should be used to fill mounting tank
- See our Reference section for details on hull thickness and transducer performance
- "Wet box" design enhances performance over epoxied in-hull installations

Options:



- External speed/temperature sensor
- Non-duplexer version for dual transmission line sounders

Parts & Accessories:



In-Hull Mounting Kit:
33-453-01 rev01



Hardware:
20-356-02



Tank:
20-586-01

