

## Broadband Transducers

### B265, M265

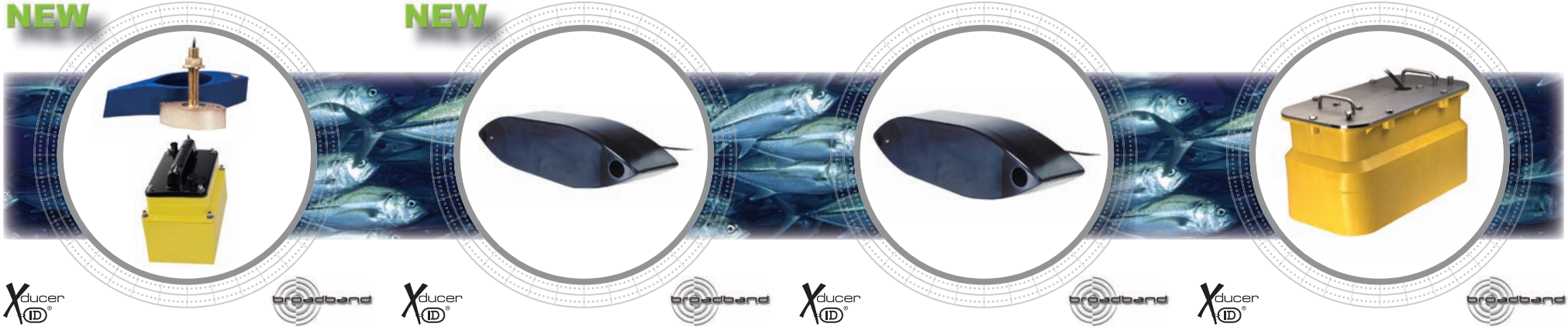
NEW

NEW

### R109

### R209, R309

### R299, R399



#### 1 kW, FM & Chirp Broadband

- Tunable, Broadband Ceramic Technology:
  - Crystal clear image detail and resolution
  - Distinguishes individual fish targets and fish tight to the bottom
- 1,000 Watts
- Depth and Temperature—B265  
Depth Only—M265
- Urethane Housings
- Operating Frequencies:
  - LF—40 to 60 kHz (Q = 4)
  - HF—130 to 210 kHz (Q = 1.5)
- 12 m (39') cable with OEM connector
- Beamwidth:
  - LF—25°
  - HF—6° to 11°
- Maximum Depth Range:
  - LF—529 m to 735 m (1,800' to 2,500')
  - HF—206 m to 294 m (700' to 1,000')
- Boat Size: 9 m (30') and up

#### 2 kW, FM & Chirp Broadband

- Tunable, Broadband Ceramic Technology:
  - Crystal clear image detail and resolution
  - Distinguishes individual fish targets and fish tight to the bottom
- 2,000 Watts
- Depth and fast-response temp. sensor
- Thru-Hull, Urethane Housing
- Operating Frequencies:
  - LF—38 to 75 kHz (Q = 3)
  - HF—130 to 210 kHz (Q = 3)
- 12 m (39') cable with OEM connector
- Beamwidth (Adjustable):
  - LF—11° x 18° to 5° x 10°
  - HF—7° to 5°
- Maximum Depth Range:
  - LF—735 m to 1,176 m (2,500' to 4,000')
  - HF—235 m to 353 m (800' to 1,200')
- Boat Size: 9 m (30') and up

#### 2-3 kW, FM & Chirp Broadband

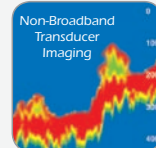
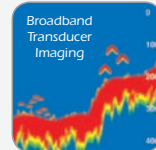
- Tunable, Broadband Ceramic Technology:
  - Crystal clear image detail and resolution
  - Distinguishes individual fish targets and fish tight to the bottom
- 2,000 to 3,000 Watts
- Depth and fast-response temp. sensor
- Thru-Hull, Urethane Housings
- Operating Frequencies:
  - LF—33 to 60 kHz—R209 (Q = 3)
  - LF—25 to 45 kHz—R309 (Q = 3)
  - HF—130 to 210 kHz—R209 & R309 (Q = 3)
- 12 m (39') cable with OEM connector
- Beamwidth (Adjustable):
  - LF—11° x 17° to 6° x 11°
  - HF—7° to 5°
- Maximum Depth Range:
  - LF—914 m to 1,372 m (3,000' to 4,500')
  - HF—235 m to 353 m (800' to 1,200')
- Boat Size: 12 m (40') and up

#### 2-3 kW, FM & Chirp Broadband

- Tunable, Broadband Ceramic Technology:
  - Crystal clear image detail and resolution
  - Distinguishes individual fish targets and fish tight to the bottom
- 2,000 to 3,000 Watts
- Depth Only
- In-Hull, Epoxy Housings
- Operating Frequencies:
  - LF—33 to 60 kHz—R299 (Q = 3)
  - LF—25 to 45 kHz—R399 (Q = 3)
  - HF—130 to 210 kHz—R399 & R399 (Q = 3)
- 12 m (39') cable with OEM connector
- Beamwidth (Adjustable):
  - LF—11° x 17° to 6° x 11°
  - HF—7° to 5°
- Maximum Depth Range:
  - LF—914 m to 1,372 m (3,000' to 4,500')
  - HF—235 m to 353 m (800' to 1,200')
- Boat Size: 9 m (30') and up

### Broadband Transducers

- Broadband Ceramic Technology:
  - Crystal clear image detail and resolution
  - Distinguishes individual fish targets and fish tight to the bottom
- Adjustable frequencies allow tunable echosounders to dial in a certain frequency for the specific fishing conditions
- Adjusting frequency changes the transducer beamwidth and depth capabilities



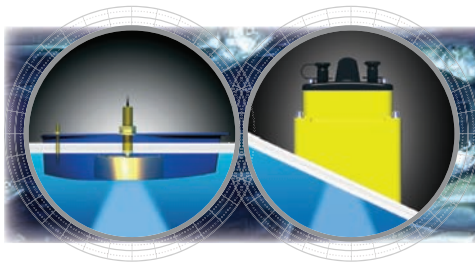
AIRMAR  
Broadband Transducers

**AIRMAR**  
TECHNOLOGY CORPORATION

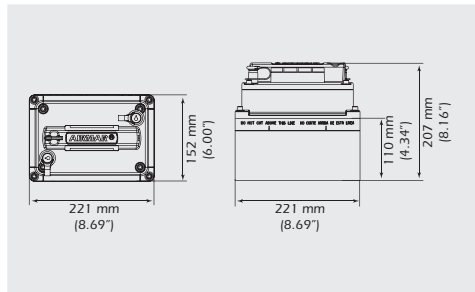
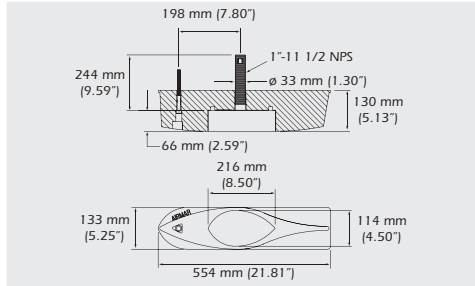
*Sensing Technology*

[www.airmar.com](http://www.airmar.com)

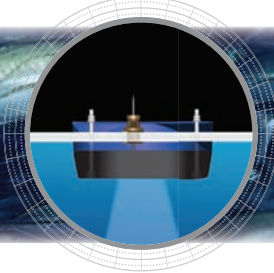
# B265, M265



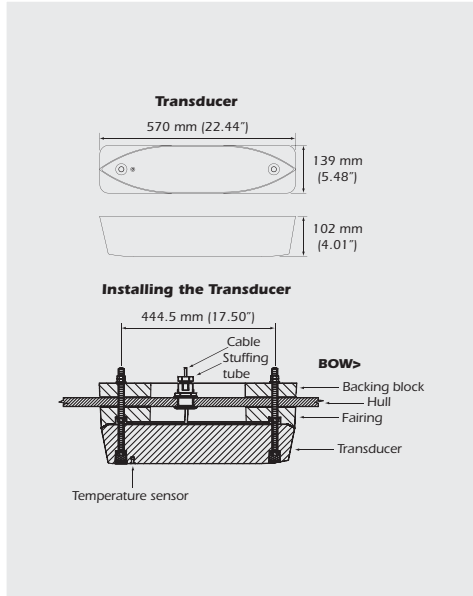
40-60 kHz-A / 130-210 kHz-C			
<b>Number of Elements and Configuration</b>			
<b>RMS Power (W)</b>	1 kW	1 kW	
<b>TVR</b>	161 dB @ 50 kHz	174 dB @ 200 kHz	
<b>RVR</b>	-175 dB @ 50 kHz	-181 dB @ 200 kHz	
<b>FOM</b>	-19 @ 50 kHz	-7 @ 200 kHz	
<b>Q</b>	4 @ 50 kHz	1.5 @ 200 kHz	
<b>Impedance</b>	506 Ω @ 40 kHz	204 Ω @ 50 kHz	560 Ω @ 60 kHz
	360 Ω @ 140 kHz	565 Ω @ 160 kHz	571 Ω @ 200 kHz



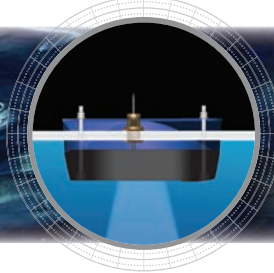
# R109



38-75 kHz-A / 130-210 kHz-BRIq			
<b>Number of Elements and Configuration</b>			
<b>RMS Power (W)</b>	2 kW	2 kW	
<b>TVR</b>	167 dB @ 50 kHz	177 dB @ 200 kHz	
<b>RVR</b>	-174 dB @ 50 kHz	-182 dB @ 200 kHz	
<b>FOM</b>	-9 @ 50 kHz	-6 @ 200 kHz	
<b>Q</b>	3 @ 50 kHz	2 @ 200 kHz	
<b>Impedance</b>	161 Ω @ 38 kHz	129 Ω @ 50 kHz	107 Ω @ 75 kHz
	169 Ω @ 140 kHz	250 Ω @ 160 kHz	314 Ω @ 200 kHz

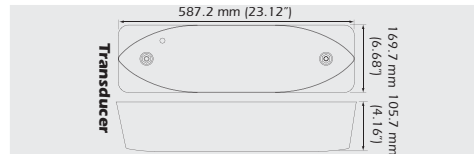


# R209, R309

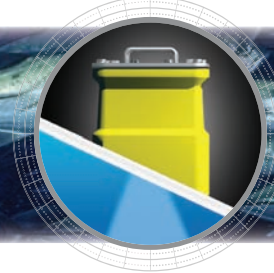


R209-33-60 kHz / 130-210 kHz			
<b>Number of Elements and Configuration</b>			
<b>RMS Power (W)</b>	3 kW	2 kW	
<b>TVR</b>	171 dB @ 50 kHz	172 dB @ 200 kHz	
<b>RVR</b>	-177 dB @ 50 kHz	-184 dB @ 200 kHz	
<b>FOM</b>	-7 @ 50 kHz	-12 @ 200 kHz	
<b>Q</b>	3 @ 50 kHz	3 @ 200 kHz	
<b>Impedance</b>	165 Ω @ 38 kHz	148 Ω @ 50 kHz	208 Ω @ 60 kHz
	169 Ω @ 140 kHz	250 Ω @ 160 kHz	314 Ω @ 200 kHz

R309-25-45 kHz / 130-210 kHz			
<b>Number of Elements and Configuration</b>			
<b>RMS Power (W)</b>	3 kW	2 kW	
<b>TVR</b>	169 dB @ 50 kHz	172 dB @ 200 kHz	
<b>RVR</b>	-167 dB @ 50 kHz	-184 dB @ 200 kHz	
<b>FOM</b>	-5 @ 50 kHz	-12 @ 200 kHz	
<b>Q</b>	3 @ 50 kHz	3 @ 200 kHz	
<b>Impedance</b>	187 Ω @ 28 kHz	185 Ω @ 38 kHz	228 Ω @ 45 kHz
	169 Ω @ 140 kHz	250 Ω @ 160 kHz	314 Ω @ 200 kHz



# R299, R399



R299-33-60 kHz / 130-210 kHz			
<b>Number of Elements and Configuration</b>			
<b>RMS Power (W)</b>	3 kW	2 kW	
<b>TVR</b>	171 dB @ 50 kHz	172 dB @ 200 kHz	
<b>RVR</b>	-177 dB @ 50 kHz	-184 dB @ 200 kHz	
<b>FOM</b>	-7 @ 50 kHz	-12 @ 200 kHz	
<b>Q</b>	3 @ 50 kHz	3 @ 200 kHz	
<b>Impedance</b>	165 Ω @ 38 kHz	148 Ω @ 50 kHz	208 Ω @ 60 kHz
	169 Ω @ 140 kHz	250 Ω @ 160 kHz	314 Ω @ 200 kHz

R399-25-45 kHz / 130-210 kHz			
<b>Number of Elements and Configuration</b>			
<b>RMS Power (W)</b>	3 kW	2 kW	
<b>TVR</b>	169 dB @ 50 kHz	172 dB @ 200 kHz	
<b>RVR</b>	-167 dB @ 50 kHz	-184 dB @ 200 kHz	
<b>FOM</b>	-5 @ 50 kHz	-12 @ 200 kHz	
<b>Q</b>	3 @ 50 kHz	3 @ 200 kHz	
<b>Impedance</b>	187 Ω @ 28 kHz	185 Ω @ 38 kHz	228 Ω @ 45 kHz
	169 Ω @ 140 kHz	250 Ω @ 160 kHz	314 Ω @ 200 kHz

