Commercial Marine & Keel-Mount Transducers

CM270W

1 kW

- Designed for tuna and marlin fishing
- Identical 25° beams at 50 kHz and 200 kHz
- 4 times wider at 200 kHz than all other 1 kW transducers

- 1,000 Watts
- Fast-response temperature sensor
- Urethane Housing
- Operating Frequencies:
  LF—50 kHz
  HF—200 kHz
- 12 m (40′) cable
- Beamwidth:
  LF—25° @ 50 kHz
  HF—25° @ 200 kHz
- Maximum Depth Range:
  LF—400 m to 610 m (1,350′ to 2,000′)
  HF—100 m to 180 m (330′ to 600′)

CM260

1 kW

- Crystal clear image detail and resolution
- Distinguishes individual fish targets and fish tight to the bottom

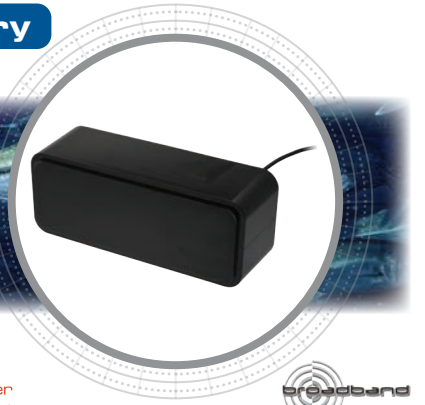
- 1,000 Watts
- Fast-response temperature sensor
- Urethane Housing
- Operating Frequencies:
  LF—50 kHz
  HF—200 kHz
- 12 m (40′) cable
- Beamwidth:
  LF—19° @ 50 kHz
  HF—6° @ 200 kHz
- Maximum Depth Range:
  LF—529 m to 735 m (1,800′ to 2,500′)
  HF—206 m to 294 m (700′ to 1,000′)

CM265LH

Preliminary

broadband

CM599LH



broadband

Tunable Transducers

- Operates at many popular commercial fishing frequencies
- Perfect for todays commercial sounders and next generation FM & CHIRP sounders

- 1,000 Watts RMS,
  18 to 25 continuous Watts
- Fast-response temperature sensor
- Urethane Housing
- Operating Frequencies:
  LF—42 kHz to 65 kHz
  HF—130 kHz to 210 kHz
- 12 m (40′) cable
- Beamwidth:
  LF—18° to 25°
  HF—6° to 10°
- Boat Size: 12 m (40′) and up
- Optionally available as CM265LM, low & medium-frequency (85 to 135 kHz)

- 2,000 Watts RMS,
  20 to 30 continuous Watts
- Fast-response temperature sensor
- Urethane Housing
- Operating Frequencies:
  LF—38 kHz to 75 kHz
  HF—130 kHz to 210 kHz
- 15 m (50′) cable
- Beamwidth:
  LF—11° x 17° to 6° x 11°
  HF—7° to 5°
- Boat Size: 12 m (40′) and up
- Optionally available as CM199LM, low & medium-frequency (85 to 135 kHz)

AIRMAR® Commercial Marine Transducers

Commercial Fishing Installations

- **Transducers can mount flush inside a conventional steel tank**
- **Cable can fit into existing stuffing tube**
- **Tuna, shirashu, baitfish, and dredging applications**
- **30% to 40% more efficient than Japenese commercial transducers**

- **Q is also 3 times lower providing higher resolution and better discrimination of fish and seabed**

Sportfishing Installations

- **Transducers can mount flush in the keels of larger sportfishing vessels**
- **A flush installation reduces drag and delivers crystal clear imaging—even at high speeds**
- **One transducer can operate at various frequencies**

AIRMAR® TECHNOLOGY CORPORATION

Sensing Technology

www.airmar.com

CM270W CM260 CM265LH CM599LH

50 kHz-AWIq & 200 kHz-BM		
Number of Elements and Configuration	⬢	◯
Beamwidth (@-3 dB)	25°	25°
RMS Power (W)	1 kW	1 kW
TVR	161 dB @ 50 kHz	165 dB @ 200 kHz
RVR	-175 dB @ 50 kHz	-194 dB @ 200 kHz
FOM	-19 dB @ 50 kHz	-30 dB @ 200 kHz
Q	4 @ 50 kHz	7 @ 200 kHz
Impedance	200 Ω @ 50 kHz	90 Ω @ 200 kHz

50 kHz-AE & 200 kHz-BH		
Number of Elements and Configuration	⬢	◯
Beamwidth (@-3 dB)	19°	6°
RMS Power (W)	1 kW	1 kW
TVR	162 dB @ 50 kHz	175 dB @ 200 kHz
RVR	-173 dB @ 50 kHz	-183 dB @ 200 kHz
FOM	-14 dB @ 50 kHz	-10 dB @ 200 kHz
Q	8 @ 50 kHz	8 @ 200 kHz
Impedance	250 Ω @ 50 kHz	90 Ω @ 200 kHz

	42-65kHz	130-210 kHz
Elements	⬢	◯
Pulse Power	1 kW	1 kW
Nominal TVR	166 dB	172 dB
Nominal RVR	-179 dB	-184 dB
Nominal FOM	-13 dB	-12 dB
Impedance	100-250 Ω	100-250 Ω

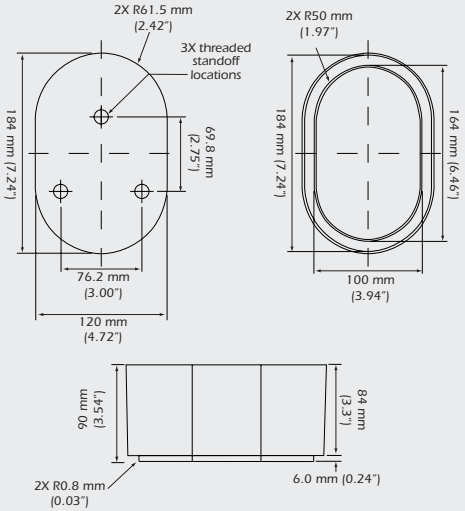
	38-75 kHz	130-210 kHz
Elements	⬢	◯
Pulse Power	2 kW	2 kW
Nominal TVR	169 dB	177 dB
Nominal RVR	-178 dB	-184 dB
Nominal FOM	-11 dB	-7 dB
Impedance	100-250 Ω	100-250 Ω

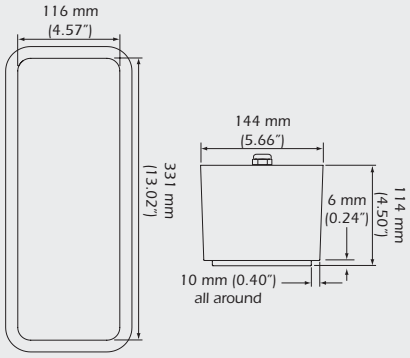
BEAM DIAMETER VS DEPTH		
Depth	50 kHz	200 kHz
9 m (30′)	4 m (13′)	4 m (13′)
30 m (100′)	14 m (45′)	14 m (45′)
122 m (400′)	55 m (180′)	55 m (180′)
305 m (1,000′)	137 m (450′)	137 m (450′)

SEE CM265LH DIMENSIONS

BEAM DIAMETER VS DEPTH		
Depth	50 kHz	200 kHz
9 m (30′)	3 m (10′)	0.9 m (3′)
30 m (100′)	10 m (34′)	3.3 m (11′)
122 m (400′)	41 m (134′)	13 m (42′)
305 m (1,000′)	102 m (335′)	32 m (105′)

SEE CM265LH DIMENSIONS





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Sensing Technology

ISO CERTIFIED

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