# Several Installation Methods for Broadband / CHIRP Transducers

















PM265LH







Tilted Element™

600 W\*

B75L\*

following bandwidths:

CHIRPS across the

—Low-Frequency:

40-75 kHz



Tilted Element™

1 kW

**B175L** 

following bandwidths:

7 Internal Broadband

**B175M** 

following bandwidths:

—Medium-Frequency

1 Internal Broadband

CHIRPS across the

85-135 kHz

CHIRPS across the

—Low-Frequency:

40-60 kHz

Ceramics

Ceramic

# Thru-Hull 1 kW

#### **B265LH**

- CHIRPS across the following bandwidths: —Low-Frequency: 42-65 kHz -High-Frequency:
- 130-210 kHz

# **B265LM**

- CHIRPS across the following bandwidths —Low-Frequency: 42-65 kHz -Medium-Frequency: 85-135 kHz
- 8 Internal Broadband Ceramics
- Depth & fast-response water-temperature sensor
- Bronze housing with Urethane housing High-Performance Fairing
- Boat Size: 8 m (25') Boat Type:
- —Sportfishing Boat Type: —Commercial Hull Type:
- Hull Type: —Fiberalass —Wood Can retrofit to existing.
- -Metal B260 install

# Thru-Hull 2 kW

#### **R109LH**

- CHIRPS across the following bandwidths: -Low-Frequency: 38-75 kHz —High-Frequency 130-210 kHz
  - R109LM
- CHIRPS across the following bandwidths: —Low-Frequency: 38-75 kHz -Medium-Frequency: 80-130 kHz
  - 16 Internal Broadband Ceramics
  - Depth & fast-response water-temperature sensor
  - with stuffing tube and High-Performance Fairing
  - Boat Size: 12 m (40')
  - —Sportfishing —Commercia
- Can retrofit to existing R99 install

# Thru-Hull 2-3 kW/

#### **R509LH**

CHIRPS across the following bandwidths —Low-Frequency: 28-60 kHz —High-Frequency 130-210 kHz

### **R509LM**

- CHIRPS across the following bandwidths —Low-Frequency: 28-60 kHz —Medium-Frequency: 80-130 kHz
  - 25 Internal Broadband Ceramics
  - Depth & fast-response water-temperature sensor
  - Epoxy housing with stuffing tube and High-Performance
  - Boat Size: 12 m (40')
  - Boat Type: —Sportfishing —Commercial
  - Hull Type: —Fiberalass —Wood -Metal
  - Can retrofit to existing R209 install

# In-Hull

# **M265LH**

1 kW

CHIRPS across the following bandwidths -Low-Frequency: 42-65 kHz —High-Frequency 130-210 kHz

# **M265LM**

- CHIRPS across the following bandwidths —Low-Frequency: 42-65 kHz -Medium-Frequency: 85-135 kHz
  - 8 Internal Broadband Ceramics
  - Depth only Plastic/Urethane housing with yellow
  - in-hull tank Boat Type: —Sportfishing
  - —Commercial Hull Type: —Solid Fiberalass hull
  - only Can be pocket / keel-mounted

# In-Hull & Pocket /Keel-Mount 2 kW

# PM111/R111LH

 CHIRPS across the following bandwidths: —Low-Frequency: 38-75 kHz —High-Frequency: 130-210 kHz

# PM111/R111LM

- CHIRPS across the following bandwidths: —Low-Frequency: 38-75 kHz -Medium-Frequency:
- 80-130 kHz 16 Internal Broadband
- Ceramics Depth & fast-response water-temperature
- sensor Urethane housing with yellow in-hull tank
- Boat Type: —Sportfishing —Commercia
- Hull Type: —Solid Fiberalass hull Can retrofit to existing
- Also suitable for pocket/keel-mount installs without tank

R299 tanks

# In-Hull 2-3 kW

# **R599LH**

- CHIRPS across the following bandwidths —Low-Frequency: 28-60 kHz -High-Frequency
  - 130-210 kHz

#### **R599LM** CHIRPS across the

- following bandwidths —Low-Frequency: 28-60 kHz ---Medium-Frequency:
- 80-130 kHz 25 Internal Broadband Ceramics Ceramics
- Depth only
- Epoxy housing with yellow in-hull tank
- Boat Type: —Sportfishing —Commercial
- Hull Type: —Solid Fiberglass hull only Can retrofit to existing
- R299 tanks Same shape and size as CM599 and CM199 (urethane housing)

# **Transom-Mount** 1 kW

#### **TM265LH**

CHIRPS across the following bandwidths —Low-Frequency: 42-65 kHz —High-Frequency

130-210 kHz

# TM265LM

- CHIRPS across the following bandwidths —Low-Frequency: 42-65 kHz -Medium-Frequency:
- 85-135 kHz 8 Internal Broadband
- Depth & fast-response water-temperature sensor
- Urethane housing and stainless steel mounting bracket
- Boat Size: 8 m to 12 m (25' to 40' Boat Type:
- —Outboards —I/O
- Hull Type: —Fiberalass —W/00d -Metal
- Can retrofit to existing TM258 & TM260 bracket

#### **Tank-Mount** Pocket/ **Keel-Mount** 1 kW 1 kW

### CM265LH

CHIRPS across the following bandwidths —Low-Frequency: 42-65 kHz -High-Frequency: 130-210 kHz

CHIRPS across the

—Low-Frequency:

42-65 kHz

85-135 kHz

Ceramics

sensor

Boat Type:

Hull Type:

—Wood

Cannot be

installation

—Fiberglass

—Tank Installation

pocket-mounted

Recessed design

ideal for tank mount

—Sportfishin

—Commercia

following bandwidths

—Medium-Frequency:

8 Internal Broadband

Depth & fast-response

water-temperature

Urethane housing

#### CM265LM PM265LM

CHIRPS across the following bandwidths —Low-Frequency: 42-65 kHz -Medium-Frequency:

130-210 kHz

- 85-135 kHz 8 Internal Broadband Ceramics
- Depth & fast-response water-temperature
- Bronze housina
- Boat Type: -Sportfishing —Commercial

sensor

- Hull Type: —Fiberglass only
- Flat face design ideal for pocket/keel-mount

# Tank-Mount/ Pocket/Keel-Mount 2-3 kW

#### **CM599LH**

CHIRPS across the CHIRPS across the following bandwidths following bandwidths: —Low-Frequency: -Low-Frequency: 42-65 kHz 28-60 kHz —High-Frequency: —High-Frequency

## **CM599LM**

80-130 kHz

Ceramics

sensor

Boat Type:

Hull Type:

Epoxy housing

—Sportfishing

—Commercial

—Fiberalass only

Recessed design

installation

—Tank Installation

Same shape and size

as R599 and CM199

ideal for tank mount

130-210 kHz

- CHIRPS across the CHIRPS across the following bandwidths: following bandwidths -Low-Frequency: —Low-Frequency: 28-60 kHz
- 40-75 kHz -Medium-Frequency: ---Medium-Frequency: 80-130 kHz
- 2 Internal Broadband 25 Internal Broadband Ceramics
- Depth & fast-response Depth & fast-response water-temperature water-temperature sensor
  - High-Performance Fairing

—Wood

Bronze housing with

- Boat Size: 9 m (30') Hull Type: —Fiberglass
- All advantages of larger Thru-Hull CHIRF transducers, for smaller boats

# Thru-Hull 600 W\*

#### **B765LH\***

CHIRPS across the following bandwidths -Low-Frequency: 40-75 kHz

B765LM\*

-High-Frequency: Available in 0° or 12° 130-210 kHz tilted versions only

CHIRPS across the following bandwidths: ---Medium-Frequency: 80-130 kHz

sensor

(25')

Hull Type:

—Wood

—Fiberglass

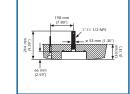
Bronze housing

Available in 0°, 12°, or 20° tilted versions

**B75H** 

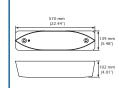
- **B175H** CHIRPS across the CHIRPS across the following bandwidths: following bandwidths: —High-Frequency: —High-Frequency: 130-210 kHz 130-210 kHz
- Available in 0°, 12°, or 1 Internal Broadband 20° tilted versions Ceramic
- 1 Internal Broadband Available in 0°, 12°, or Ceramic 20° tilted versions
- Depth & fast-response Depth & fast-response water-temperature water-temperature
  - Bronze housing
- Boat Size: Up to 8 m Boat Size:
  - Up to 11 m (36') Hull Type: —Fiberglass —Wood

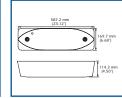
CHIRP Comparison rD

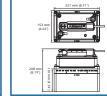


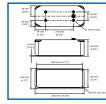
—Fiberglass

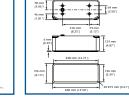
—Wood

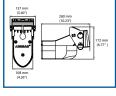


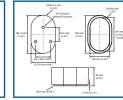




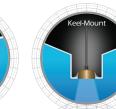




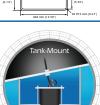




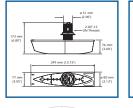




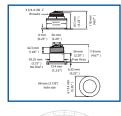




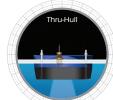


































01/27/14











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.

\*The B75L and B765 LM/LH low frequency element is rated at 300 W











