DESCRIPTION

The WET215-99H is a two-way system designed to provide high quality music and voice reproduction in applications requiring extreme weather resistance. It uses a unique blend of advanced technologies to both enhance its ability to withstand long term exposure to tough environmental conditions and provide the uncompromising performance normally associated only with indoor loudspeakers. The enclosure and driver baffle are each molded as one-piece using 100% hand-laminated multi-layer glass composites, providing extreme structural strength. The HF driver uses a 3” titanium diaphragm. The LF driver has an environmentally inert carbon fiber cone. A 3-layer Weather-Stop™ grille of stainless steel mesh and open cell foam provides physical protection and prevents water intrusion. All exposed hardware is stainless steel or aluminum. The WET215-99H has a 15” LF and a 1.5” exit HF compression driver. The WET215-99H frequency range is from 50 Hz to 18 kHz with a 100 dB SPL 1W / 1m sensitivity and a maximum continuous broadband output of 123dB SPL/130dB SPL peak. Power handling is 200W RMS, 500W program when optioned with the high-power passive crossover. Six integral 1/2-13 mounting points on the sides of the enclosure mate with a special order yoke-type bracket.

APPLICATIONS:

- Waterparks, Theme and Amusement Parks
- Outdoor Entertainment Centers
- Swimming Pools
- Cruise Ships
- Music Pavilions
- Stadium Fill
- Musical Fountains

FEATURES:

- All-weather, Multi-layer Glass Composite Enclosure
- Stainless Steel Hardware
- Integral Mounting Points
- High Power Passive Crossover or Active Bi-amp Model
- Weather-Stop™ Grille

SPECIFICATIONS

- **Loudspeaker Type:** Two-way, full-range
- **Operating Range:**
  - 50 Hz to 18 kHz
  - 70 Hz to 17kHz (+/-4dB)
- **Power Handling (Passive):**
  - 200W RMS; 500W Program
  - 40V RMS, 89V momentary peak
- **Power Handling (Bi-amp):**
  - LF: 200W RMS; 500W Program
  - HF: 80W RMS; 160W Program
- **Recommended Power Amplifier:** 420W to 600W @ 8 Ohms
- **Sensitivity (1 Watt / 1 Meter):**
  - 100 dB SPL (80Hz - 12.5kHz 1/3 octave bands)
  - 102 dB SPL (250Hz - 4kHz speech range)
- **Nominal -6dB Beamwidth:**
  - 90° H (+1°/-40°, 1.6 kHz - 12.5kHz)
  - 90° V (+46°/+31°, 1.6 kHz-12.5 kHz)
  - 100° H x 100° V (650Hz)
- **Axial Q/DI:** 11.1/10.5; 1.6 kHz - 12.5 kHz
- **Nominal Impedance:**
  - (Passive) 8 Ohm
  - (Bi-amp) LF 8 Ohm, HF 8 Ohm
- **Crossover Frequency:** 1.5kHz
- **Recommended Signal Processing:** 60Hz High pass filter
- **Components:**
  - LF: 1 x15” carbon fiber cone cast frame LF driver
  - 200W RMS, 500W program, operating range is 50-600Hz
  - HF: B&C DE700 1.5” exit throat driver, 8 ohm, 80W continuous, 160W program, Operating range 1.5kHz - 17kHz
- **Maximum Continuous Level:** 123dB SPL, 130dB Peak
- **Input Connection:** 12’ (4m) 16-2 SJOW Cable, dual cables when bi-amplified
- **Enclosure Material:** Hand-laminated multi-layer glass composite, black gelcoat
- **Grille:** 3 Layer Weather-Stop™
- **Mounting:** Six 1/2 - 13 Threaded Inserts
- **Supplied Accessories:** (6 ea.) 1/2-13x1” Stainless steel bolts (6 ea.) Stainless steel lock and flat washers
- **Optional Accessories:** Digital Speaker Controller Special Order Mounting Yoke - Contact the factory for information

**DIMENSIONS:**

- **Height:** 19.38 inches (492.3 mm)
- **Width:** 33.63 inches (854.2 mm)
- **Depth:** 21 inches (533.4 mm)
- **Weight:** 115 lbs. (52 kg)

1. **Sensitivity:** Freefield pink noise measurement at 40’ at 45% power; extrapolated to 1 meter and an input of 2.83 volts RMS.
2. **Watts:** All wattage figures are calculated using the rated nominal impedance.

COMMUNITY PROFESSIONAL LOUDSPEAKERS

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Specifications subject to change without notice.
The loudspeaker shall be a two-way, weather-resistant design with one 15” carbon fiber cone LF driver and a 1.5” exit titanium diaphragm HF driver. The drivers shall be mounted on a one-piece multi-layer glass composite baffle. The passive crossover version shall use high-quality 250V film capacitors, low ESR inductors, and high positive current coefficient resistors (HPCCRs) for component protection. The one-piece loudspeaker enclosure shall be constructed of hand-laminated multi-layer glass composite with six integral 1/2-13 threaded mounting points. The system shall meet the following performance criteria: Amplitude response of 50 Hz to 18 kHz, 200 watts RMS power handling, 100 dB SPL sensitivity at 1 meter with 1 watt applied. The nominal system impedance shall be 8 Ohms for the passive crossover version. The bi-amp version shall be 8 Ohms LF, and 8 Ohms HF impedance. Nominal horn coverage pattern shall be 90°x 90° (H x V). Dimensions shall be 19.38 inches (492.3 mm) high, 33.63 inches (854.2 mm) wide, 21 inches (533.4mm) deep with a weight of 115lbs (52 kg.)

**LIMITED WARRANTY**

Community loudspeaker systems are guaranteed to be free from defects in materials and workmanship for a period of five years from the original date of sale. For complete warranty information, refer to our website at www.loudspeakers.net or call (610) 876-3400 for a copy.