



PROFESSIONAL LOUDSPEAKERS

# WET315-94H

3-WAY WEATHER RESISTANT LOUDSPEAKER

## SPECIFICATIONS

**Loudspeaker Type:** Three-way, full-range

**Frequency Response:** 45 Hz to 17 kHz  
60Hz - 15kHz +/- 3dB

**Power Handling:**

(Passive): Full-Range 200W RMS; 500W Program  
(Bi-amp): LF 200W RMS; 500W Program  
MF/HF 75W RMS; 200W Program

**Sensitivity (1 Watt / 1 Meter):**

101dB SPL (63Hz-13kHz 1/3 octave bands)  
101dB SPL (250Hz - 4kHz speech range)

**Nominal -6dB Beamwidth:**

90° H (+2°/-25°, 1.6kHz - 12.5kHz)  
40° V (+20°/-2°, 1.6kHz - 12.5kHz)

**Axial Q/DI:** 22.2/13.5, 1.6 kHz - 12.5 kHz

**Nominal Impedance:** (Passive) 8 Ohm  
(Bi-amp) LF 8 Ohm; MF/HF 8 Ohm

**Crossover Frequencies:** LF 600Hz, MF/HF: 3500Hz

**Recommended Signal Processing:** 50Hz high pass filter

**Components:**

**LF:** 15" carbon fiber cone, cast frame, 8 Ohm

**MF:** M200 2" throat driver, 8 Ohm, 75W RMS/200W Program ferrofluid-cooled

**HF:** VHF100 1" throat driver, 8 Ohm, 20W RMS/50W Program ferrofluid-cooled

**Maximum Continuous Level:** 124 dB SPL, 131 dB SPL Peak

**Input Connection:** Single 12'(4m) 16-2 SJOW cable,  
dual cables when bi-amplified

**Enclosure Material:** Hand-laminated fiberglass composite,  
black gelcoat

**Grille:** 3 Layer Weather-Stop™

**Mounting:** Six 1/2 - 13 Threaded Inserts

**Supplied Accessories:** (6 ea.) 1/2-13x2 stainless steel bolts  
(6 ea.) Stainless steel lock & flat washers

**Required Accessories:** Electronic speaker controller

**Optional Accessories:** DSC52 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)

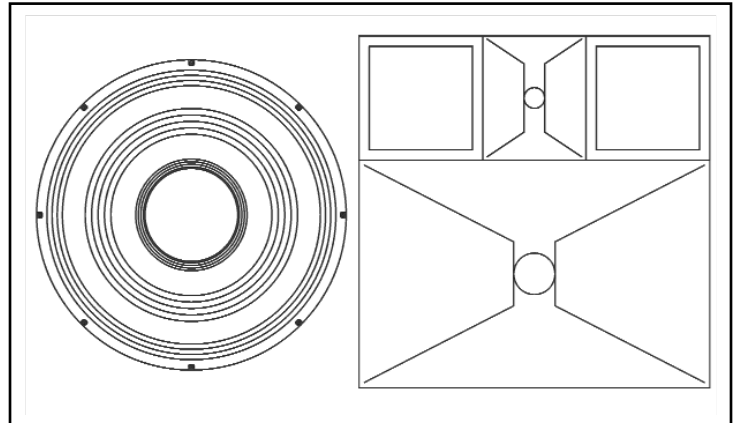
**Weight:** 125 lbs. (62.5 kg)

1. **Sensitivity:** Freefield pink noise measurement at 40' at 45% power;  
extrapolated to 1 meter and an input of 2 volts RMS.

2. **Watts:** All wattage figures are calculated using the rated nominal impedance.

## DESCRIPTION

The WET315-94H is a three-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 fiberglass composites, providing extreme structural strength. The HF driver uses a 1" exit, non-metallic diaphragm. The MF driver has an environmentally inert mylar diaphragm. Ferrofluid fills the MF and HF voice coil gaps to prevent gap corrosion as well as improve thermal power handling and reduce power compression. 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 WET315-94H has a 15" LF, a 2" exit MR driver, and a 1" exit HF compression driver. The entire MF/HF driver assembly can be factory ordered rotated 90 degrees axially. The WET315 frequency range is from 45 Hz to 17 kHz with a 101 dB SPL 1W / 1m sensitivity and a maximum continuous broadband output of 124 SPL. Power handling is 200W RMS, 500W when optioned with the through a high-power passive crossover. Power handling is 200W RMS LF, 500W program and 75W RMS, 200W program MF/HF when bi-amped. Six 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:

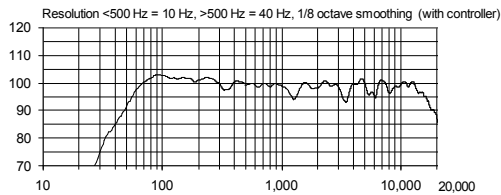
- All-weather, All-fiberglass Composite Enclosure
- Stainless Steel Hardware
- Integral Mounting Points
- High Power Full-Range Passive Crossover or Biamp Crossover with Passive MF/HF
- Weather-Stop™ Grille

COMMUNITY PROFESSIONAL LOUDSPEAKERS

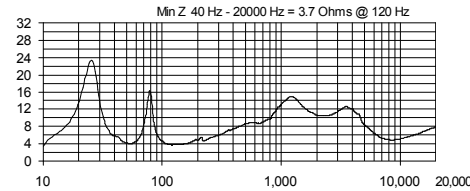
333 East 5th Street, Chester, PA USA 19013-4511 TEL (610) 876-3400 FAX (610) 874-0190

www.loudspeakers.net

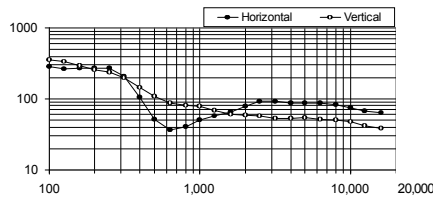
### Frequency Response



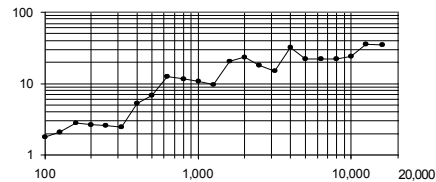
### Impedance



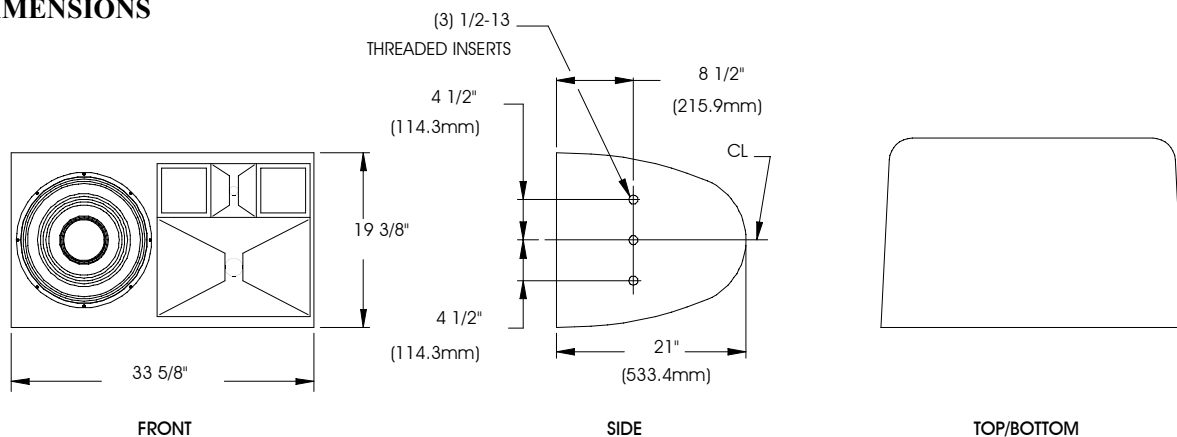
### Beamwidth



### Axial Q



### DIMENSIONS



### ARCHITECTS AND ENGINEERS SPECIFICATIONS

The loudspeaker shall be a three-way, weather-resistant design with one 15" carbon fiber cone LF, one 2" exit low compression non-metallic diaphragm midrange driver and a 1" exit non-metallic diaphragm HF driver. The drivers shall be mounted on a one piece fiberglass composite baffle. The crossover shall be passive or biamped with a crossover frequency of 600Hz. The crossover shall use high quality 250V film capacitors, low ESR inductors. The one piece loudspeaker enclosure shall be constructed of hand-laminated fiberglass composite with six integral 1/2-13 threaded mounting points. The system shall meet the following performance criteria: Amplitude response of 45 Hz to 17 kHz, 200 watts RMS power handling, 101 dB SPL sensitivity at 1 meter with 1 watt applied. The nominal system impedance shall be 8 Ohms. Nominal horn coverage pattern shall be 90°x 40° (H x V). Dimensions shall be 19.38 inches (492.3mm) high, 33.63 inches (854.2mm) wide, 21 inches (533.4 mm) deep with a weight of 125lb. (62.5 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](http://www.loudspeakers.net) or call (610) 876-3400 for a copy.