



High Power 2-Way All Weather Loudspeaker with 1 x 15" LF & Rotatable Horn

#### **Professional Series**

## **Key Features:**

- Weather-Resistant, All Fiberglass Enclosure
- ▶ 60° x 60° Coverage
- ▶ 2265H Differential Drive® Low-Frequency Driver
- ▶ 2432H High Frequency Compression Driver
- ► Large PT<sup>TM</sup> Progressive Transition waveguide for excellent pattern control and low distortion
- Available in Gray and Black finish
- ▶ 400 W, 70/100V Transformer Included
- U-type Mounting Bracket Included

## **Applications:**

- Sports Facilities
- Themed Entertainment Venues
- Outdoor Entertainment Centers
- Cruise Ships
- Water Parks

The AW566 is a high power, lightweight, 2-way, full-range loudspeaker system comprised of the JBL Differential Drive dual voice coil and dual magnetic gap 2265H 380 mm (15 in) low-frequency driver and 2432H high-frequency 38 mm (1.5 in) exit, 75 mm (3 in) voice-coil compression driver. The large format Progressive Transition wave-guide provides excellent 60° x 60° coverage. The loudspeaker system can used in either the vertical or horizontal orientation.

The enclosure is constructed of multilayer glass composite and is heavily braced to maximize lowfrequency performance. The 16-gauge stainless steel grille, backed with open cell foam and stainless steel mesh, provides excellent protection in the harshest environments. The system can be operated as an 8-ohm device and is equipped with a 400W transformer for 70/100V applications.

A corrosion-resistant extra-thick zincplated polyester powder coated U-type mounting bracket is included.

The AW566 is part of JBL's AE Series, a versatile family of loudspeakers intended for a wide variety of applications.



# Specifications:

35 Hz – 20 kHz 54 Hz – 18 kHz 60° x 60°, rotatable waveguide 15.8 12 dB
60° x 60°, rotatable waveguide 15.8
15.8
12 dB
1.1 kHz
600 W (2400 W peak), 100 hrs
128 dB-SPL cont avg (134 dB peak)
100 dB SPL
70V: 400 W, 200 W, 100W 100V: 400W, 200W
1 x JBL 2265H 380 mm (15 in) Differential Drive* driver with 75 mm (3 in) dual voice coil
8 ohms
98 dB SPL
JBL 2432H, 38 mm (1.5 in) exit compression driver, 75 mm (3 in) voice co
8 ohms
113 dB SPL
PT-H66HF-1
Hand-Laminated Fiberglass, gray gelcoat (similar to Pantone 420C), available in black (-BK)
2 x M10 for Included U-Bracket, 2 x M6 for aiming stabilization, 1 x M10 on rear for safety.
Three layer grille assemblies consisting of 16-gauge powder coated stainless steel, backed with open cell foam and stainless steel mesh.
CE-compliant covered barrier strip terminals. Barrier terminals accept up to 5.2 sq mm (10 AWG) wire or max width 9 mm (.375 in) spade lugs.
IP55C per IEC 529
485 x 810 x 478 mm
(19.1 x 31.9 x 18.8 in)
28.3 kg (62.5 lb) rest factor, 100 hours.

"Calculated based on power rating and sensitivity, exclusive, joo foota compression. <sup>3</sup>Anechoic sensitivity in free field, no additional sensitivity gain from boundary loading. <sup>9</sup>Per EN54-24 Components of voice alarm system - loudspeakers 70V/400W (35V RMS, 70V peak), 100V/400W (50V RMS, 100V peak) JBL continually engages in research related to product improvement. Changes introduced into existing products without notice are an expression of that philosophy.

# ► AW566 High Power 2-Way All Weather Loudspeaker with 1 x 15" LF & Rotatable Horn



#### Frequency Response and Impedance



Vertical Up Off-Axis Frequency Response



Vertical Down Off-Axis Frequency Response









INDICATED DIMENSIONS ARE TO CENTER OF GRAVITY (CG)



Directivity Index, Q



### Horizontal 1/3 Octave Polars











Vertical 1/3 Octave Polars



90°

60°

120°



90°

60°

120°



— — 2.5 kHz

1.25 kHz

1.6 kHz

2 kHz





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