



TECHNICAL SPECIFICATIONS JH15

DESCRIPTION

A 2-way biamplified full range floor monitor system available in left or right versions. Includes a 15-in woofer and a 1.4-in exit/44mm voice coil compression drivers on a 60 x 45 constant directivity horn. The powering mode is biamplified. (Specify left or right.)

APPLICATIONS

The JH15 provides very high output, high definition sound for any live performance foldback monitoring application. Optimized power response provides a larger "sweet spot" than typical monitor designs. Six year warranty.

Applications include:

- Concert Touring
- Live Music Clubs
- Portable A/V

DESCRIPTIVE DATA

Part Number	999562 (Left) 999644 (Right)
Product Group	S
LF Subsystem & Loading	1x 15-in, Vented
HF Subsystem & Loading	1x 1.4-in exit/44mm voice coil Compression Driver on Constant Directivity Horn
System Configuration	2-way, Full Range
Powering Mode	Biamplified
Recommended High-Pass Frequency (24 dB/Octave)	50 Hz
Cabinet Type (shape)	Irregular Trapezoid (Floor Monitor)
Enclosure Materials	Baltic Birch Plywood
Finish	Black Polyurethane
Connectors	2x Neutrik NL4 Speakon
Grill	Vinyl Coated Perforated Steel, Arched



Left Shown

NOMINAL DATA

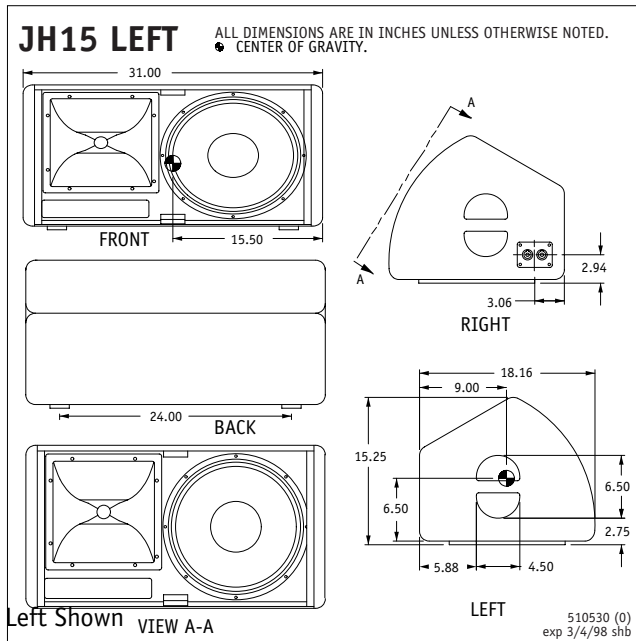
Frequency Response (1 Watt @ 1m)		
±3 dB	70 Hz to 17 kHz	
-10 dB	50 Hz	
Axial Sensitivity (dB SPL, 1 Watt @ 1m)		
LF	99	
HF	112	
Impedance (Ohms)		
LF	8	
HF	12	
Power Handling, AES Standard (Watts)		
LF	800	
HF	200	
Calculated Maximum Output (dB SPL @ 1m)		
LF Peak	134.0	
HF Peak	141.0	
LF Long Term	128.0	
HF Long Term	135.0	
Nominal Coverage Angle/-6 dB points (degrees)		
Horizontal	60	
Vertical	45	
Dimensions		
	inches	millimeters
Height	15.25	387
Width	31.00	787
Depth	18.16	461
Weights		
	pounds	kilograms
Net Weight	85	38.7
Shipping Weight	92	41.9





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DIMENSIONAL DRAWING



SERVICE ITEMS

LF: Complete Cone Driver	_____
EAW Part No.	804036
HF: Complete Compression Driver/Tweeter	_____
EAW Part No.	803034
LF: Recone Assembly	_____
EAW Part No.	460027
HF: Diaphragm Assembly	_____
EAW Part No.	806049

ARCHITECTURAL SPECIFICATIONS

The two-way biamplified full range floor monitor systems shall incorporate a 15-in LF transducer and a 1.4-in exit/44mm voice coil compression driver HF transducer.

The LF driver shall be mounted in a vented enclosure tuned for optimum low frequency response. The HF driver shall be loaded on a constant directivity horn with a nominal coverage pattern of 60° (h) x 45° (v).

System frequency response shall vary no more than ± 3 dB from 70 Hz to 17 kHz measured on axis. The low frequency section shall produce a Sound Pressure Level (SPL) of 99 dB SPL on axis at 1 meter with a power input of 1 Watt, and shall be capable of producing a peak output of 134 dB SPL on axis at 1 meter. The high frequency section shall produce a Sound Pressure Level (SPL) of 112 dB SPL on axis at 1 meter with a power input of 1 Watt, and shall be capable of producing a peak output of 141 dB SPL on axis at 1 meter. The low frequency section shall handle 800 Watts of amplifier power (AES Standard) and shall have a nominal impedance of 8 Ohms. The high frequency section shall handle 200 Watts of amplifier power (AES Standard) and shall have a nominal impedance of 12 Ohms.

The loudspeaker enclosure shall be irregularly trapezoidal in shape and shall be available in matched pairs (left or right). It shall be constructed of 15mm thickness void-free cross-grain-laminated Baltic birch plywood and shall employ extensive internal bracing. It shall be finished in black catalyzed polyurethane. Input connectors shall be 2x Neutrik NL4 Speakon. The front of the loudspeaker shall be covered with an arced vinyl coated perforated steel grill.

The 2-way full range loudspeaker shall be the EAW model JH15.