

The JBL logo is displayed in white, bold, sans-serif capital letters on a black rectangular background.

JBL SOUND POWER SERIES

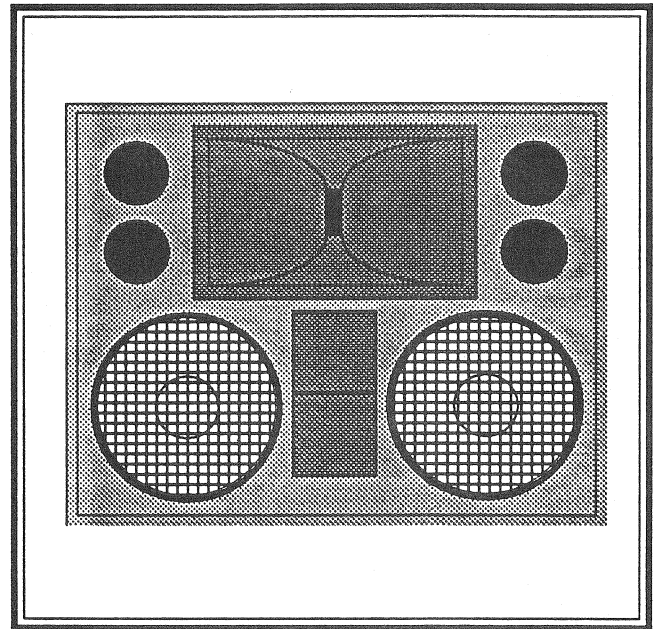
4755A

HIGH POWER TWO-WAY FULL-RANGE SYSTEM

PRELIMINARY SPECIFICATION SHEET

FEATURES:

- ▶ Smooth, accurate response from 40 Hz to 20 kHz
- ▶ High efficiency and power handling
- ▶ Tightly controlled 90° x 40° dispersion
- ▶ Rugged and attractive finish



The JBL 4755A is a two-way or optional three-way full-range loudspeaker system. Used in discotheques and medium to large venues, it will deliver high quality sound reproduction and dispersion for excellent audience coverage. The 4755A is supplied as a two-way system with dual 300 mm (12 in) JBL 2206H bass/mid cone transducers mounted in a ported enclosure and a 100 mm (4 in) JBL 2445J titanium diaphragm compression driver mounted on a 50 mm (2 in) throat, 90° x 40° JBL 2380A Flat-Front Bi-Radial® horn. It is also pre-cut and pre-wired for optional three-way operation with one or two JBL 2404H ultra-high frequency drivers.

The 4755A is designed to be actively driven using a JBL 5235 or other external electronic crossover, and bypass protection capacitors are fitted internally. The optional ultra-high frequency section can be driven with a passive network in those instances when three-way active operation is impractical. For extended low frequency performance, the 4755A may be used with Sound Power Series 4745A, 4748A, 4785A or 4788A VLF systems.

The JBL 4755A is designed for sound reinforcement and music reproduction applications in larger auditoriums. Fabricated from Finnish birch plywood, internally braced for maximum rigidity and durability, and with a dark grey acid-hardened finish, the 4755A looks good and performs time after time.

Recessed handling points and individual steel protective grilles for both bass drivers in addition to the removable black nylon front grille are indicative of the care taken in overall design. Two 8-pin Neutrik Speakon™ connectors (one for input and a second for connection to other 4755A's or to a 4745A, 4748A, 4785A or 4788A sub-bass speaker) ensure simple and secure system connection. The heavy-duty rear connector panel features a threaded insert to accept an M12 safety eyebolt. JBL's special 8-conductor cabling is available as an option, featuring four different wire gauges for the four frequency bands. The optional range of MTA Series mounting hardware allows versatile installation of the 4755A in a wide variety of situations.

PRELIMINARY SPECIFICATIONS

Model 4755A

Components	2 - JBL 2206H low frequency transducers 1 - JBL 2380A Flat-Front Bi-Radial horn 1 - JBL 2445J compression driver
Frequency range (-10 dB)	32 Hz—20 kHz
Frequency response (± 3 dB)	42 Hz—17 kHz
w/optional 2404H Bi-Radial Ring Radiators	42 Hz—20 kHz
Enclosure tuning	47 Hz
Sensitivity	
Low frequency	101 dB (2.83 V, 1 m)*
High frequency	112 dB (2.83 V, 1m)*
Power capacity	
Low frequency	1200 W (AES standard, 50-500 Hz)
High frequency	150 W (continuous program)**
Maximum SPL (1 m, continuous program)	TBA
Recommended crossover frequencies	800 Hz, 7 kHz, 30 Hz low cut
Coverage angles (-6 dB nominal)	90° horizontal 40° vertical
Nominal impedance	
Low frequency	4 ohms
High frequency	16 ohms
Connectors	2 - Neutrik Speakon NL8MPR
Dimensions	680 mm Hx850 mm Wx485 mm D (26 3/4" H x 33 7/16" W x 19 1/8" D)
Finish	Dark grey acid-hardened paint with black nylon grille
Net weight	60 kg (132 lb)
Accessories:	
N4751AP	Passive UHF Network (may be used with optional 2404H's)
MTA 24123	"U" Bracket
MTA24125	Heavy Duty Adjustable Wall-Mount Bracket
MTA24126	Heavy Duty Right-Angle Wall-Mount Bracket
NL8FC	Neutrik Speakon Cable Connector, 8-Pin
NL8MM	Neutrik Speakon Coupler, 8-Pin
3700-8	8-Wire Speaker Cable
3705-8	8-Wire Speaker Cable, 5 m, with NL8FC Connectors
3720-8	8-Wire Speaker Cable, 20 m, with NL8FC Connectors
4700APNT	Touch-Up Paint

* 2.83 V is 1 W across an 8 ohm load.

** Continuous program power is defined as 3 dB greater than continuous sine wave and is a conservative expression of the transducer's ability to handle typical speech and music program material.

JBL continually engages in research related to product improvement. New materials, production methods and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description but will always equal or exceed the original design specifications unless otherwise stated.