JBL SOUND POWER SERIES

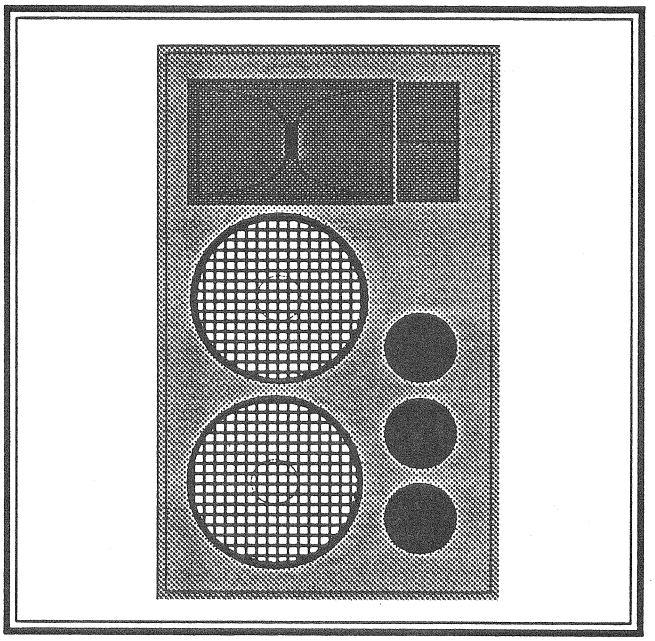
4770A

HIGH POWER TWO-WAY FULL-RANGE SYSTEM

PRELIMINARY SPECIFICATION SHEET

FEATURES:

- Smooth, accurate response from 35 Hz to 20 kHz
- High efficiency and power handling
- Tightly controlled 90° x 40° dispersion
- Wedge-shaped enclosure
- Rugged and attractive finish



The JBL 4770A is a two-way (optional three-way) high power full-range loudspeaker system, intended for sound reinforcement and music reproduction in larger auditoriums. The 4770A is supplied with two JBL 2226H 380 mm (15 in) high power, low distortion cone drivers mounted in a ported enclosure and one JBL 2445J 100 mm (4 in) titanium diaphragm compression driver mounted on a 50 mm (2 in) throat, 90° x 40° JBL 2380A Flat-Front Bi-Radial® horn. The 4770A may be used in conjunction with the JBL 4788A sub-bass system, and will accurately reproduce all types of demanding program material.

The 4770A can be used alone or in conjunction with other units to create compact arrays capable of delivering top-notch performance in a compact system size. The cabinet design employs vertical sides angled inward by 15°, so that clusters with uniform wide angle coverage of 40° vertical, increasing in multiples of 30° horizontal, can easily be constructed.

The Sound Power 4770A is designed for bi-amplified use with a JBL 5235 or other active electronic crossover, and comes pre-drilled and wired for optional three-way active operation with one or two JBL 2404H ultra-high frequency drivers. Bypass protection capacitors are fitted internally. The ultra-high frequency section can be driven with an optional passive network where three-way active operation is impractical.

21 mm (7/8 in) Finnish birch plywood construction, internal bracing for maximum strength, large ports to prevent compression effects and vent-induced air noise, and recessed cutout handles are all testimony to the care taken with the 4770A design. With its dark grey acid-hardened paint finish and individual steel protective grilles for both bass drivers in addition to the removable black nylon front grille, the Sound Power 4770A is built to stand up to touring abuse and still perform reliably.

For ease of connection, all input wiring is via a single 8-pin Neutrik Speakon™ socket. A second Speakon carries a loop-through signal for use with another 4770A or Sound Power Series sub-bass speakers. Rounding out the system, JBL offers an optional wheeled dolly unit for transit protection. The heavy-duty rear connector panel features a threaded insert to accept an M12 safety eyebolt. Additionally, JBL's special 8-conductor cabling is available as an option, featuring four different wire gauges for the four frequency bands.

PRELIMINARY SPECIFICATIONS
Model 4770A

Components	**2 - JBL 2226H 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	**103 dB (2.83 V, 1m)***
High frequency	**112 dB (2.83 V, 1 m)***
.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, 40 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	**1250** mm H x 750 mm W x **533 mm** D **(49 3/16"** H x 29 **1/2"** W x **21"** D)
Finish	**Dark grey acid-hardened paint with black steel protective grille**
Net weight	**110 kg (242 lb)**

Accessories?

N4751AP	**Passive** UHF **Network (may be used with optional 2404H's)**
4770ADL	**Cover/Doily**
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.

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