

JBL SOUND POWER SERIES

4788A

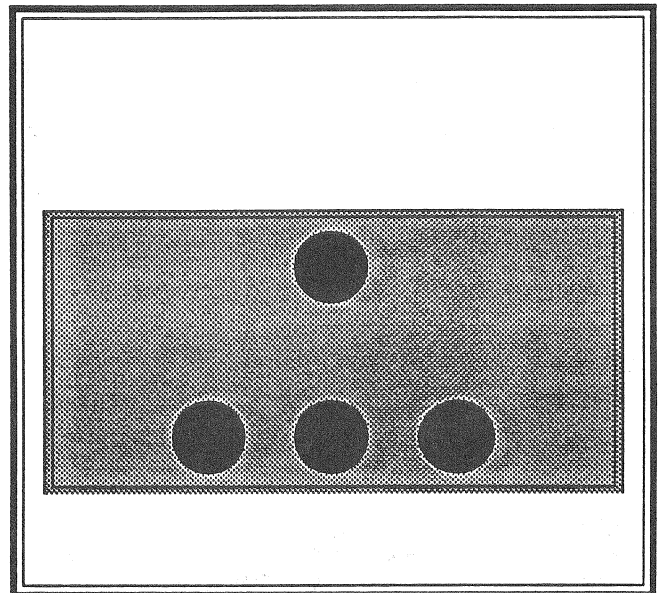
DUAL 460 MM (18")

TRIPLE CHAMBER BANDPASS™ SUB-BASS SYSTEM

PRELIMINARY SPECIFICATION SHEET

FEATURES:

- ▶ Triple Chamber Bandpass enclosure design
- ▶ Uniform response and power handling down to 25 Hz
- ▶ Dual JBL 2240H 460 mm (18 in) drivers
- ▶ Rugged and attractive finish



The JBL 4788A sub-bass loudspeaker system employs JBL's exclusive TCB™ (Triple Chamber Bandpass) design with opposing drivers to deliver up to twice as much output at lower frequencies with less distortion than a standard ported enclosure of equivalent volume. Designed to complement the low frequency potential of JBL Sound Power Series full-range systems, it is intended for touring applications or installation in larger venues, where its dual JBL 2240H 460 mm (18 in) low frequency, low distortion cone drivers will consistently reproduce bass frequencies down to 25 Hz.

The 4788A is designed to satisfy the most rigorous demands for high power low frequency performance at exceptionally low distortion levels. The TCB enclosure delivers higher output, greater bass response and significantly lower distortion than a standard ported enclosure of equivalent volume, while minimizing compression effects and the noise of air flow through vents. Mechanical stresses created by the dual drivers actually cancel each other, resulting in reduced enclosure resonance distortion. The cabinet, of 18 mm (3/4 in) Finnish birch plywood, is solidly constructed to stand up to road use and heavily braced internally to minimize enclosure resonances at high levels. The large ports

prevent compression effects and vent-induced air noise from interfering with the audible output.

System efficiency and superior performance are assured by utilizing a JBL 5235 or other external electronic crossover and amplifier at a crossover frequency of 80 to 150 Hz. Adding a 4788A sub-bass loudspeaker to an existing full-range system increases the available amplifier/driver headroom in the main system chain by separating VLF signals with their high power demands.

An 8-pin Neutrik Speakon™ socket handles all input wiring, while a second similar connector carries a loop-through signal for direct connection to other components of the Sound Power Series. JBL's special 8-conductor cabling is available as an option, featuring four different wire gauges for the four frequency bands.

All Sound Power Series components share a dark grey acid-hardened paint finish, so almost any combination can be used to form an array tailored to the needs of the situation and still look good on stage. Recessed cutout handles make transporting the 4788A simple, with no danger of broken hardware.

PRELIMINARY SPECIFICATIONS

Model 4788A

Components	2 - JBL 2240H low frequency transducers
Frequency range (-10 dB)	20 Hz—260 Hz
Frequency response (± 3 dB)	25 Hz—200 Hz
Enclosure tuning	26 Hz, 69 Hz
Sensitivity	103 dB (2.83 V, 1 m ²)
Power capacity	1200 W (continuous program)**
Maximum SPL (1 m, continuous sine wave)	TBA
Recommended crossover frequencies	80-150 Hz, 20 Hz low cut
Nominal impedance	4 ohms
Connectors	2 - Neutrik Speakon NL8MPR
Dimensions	1500 mm W x 750 mm H x 780 mm D (59" W x 29 1/2" H x 30 11/16" D)
Finish	Dark grey acid-hardened paint
Net weight	TBA

Accessories?

4788ADL	Cover/Dolly
NL8FC	Neutrik Speakon Cable Connector, 8-Pin
NL8MM	Neutrik Speakon Coupler, 8-Pin
3703-8	8-Wire Speaker Cable
3705-8	8-Wire Shaker 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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