

**JBL**

JBL SOUND POWER SERIES

4742A**DUAL 300 MM (12") DIRECT RADIATOR
SUB-BASS SYSTEM**

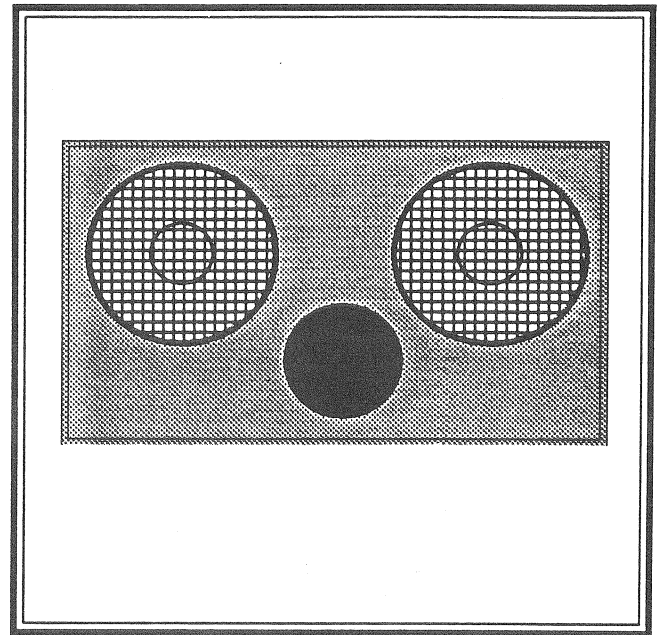
PRELIMINARY SPECIFICATION SHEET

FEATURES:

- ▶ Designed for use with the JBL 4716A, 4726AP and 4728AP systems
- ▶ Uniform response and power handling down to 35 Hz
- ▶ Maximum output from a compact enclosure
- ▶ Dual JBL 2206H direct radiating drivers
- ▶ Heavy duty internally braced non-resonant cabinet
- ▶ Rugged and attractive finish

The JBL 4742A is a direct radiator sub-bass loudspeaker system designed to augment the low frequency potential of the JBL Sound Power Series 4716A, 4726AP and 4728AP systems. The 4742A's two JBL 2206H 300 mm (12 in) low frequency, low distortion cone drivers will uniformly and efficiently produce bass frequencies down to 35 Hz at high levels with low distortion. An 80–250 Hz crossover range is recommended for the 4742A when used solely as a sub-bass unit, but because it has smooth frequency response up to 1200 Hz, the 4742A may be used with a higher crossover point to complement the low and low-mid response of the main system.

The 4742A is part of JBL's Sound Power Series, a comprehensive collection of sound reinforcement products made from top-of-the-line JBL components. Used singly or in combination, they can accommodate a broad range of sound reinforcement needs. The Sound Power 4742A is primarily for use in smaller venues such as discotheques and clubs, where high output is required, yet space limitations dictate a small system. It is designed to be actively driven using a JBL 5235 or other external electronic crossover and amplifier. The addition of an electronic crossover and a 4742A sub-bass system



increases the available amplifier/driver headroom on the main system chain by filtering out VLF signals with their high power demands.

Cabinet construction is solid, utilizing 18 mm (3/4 in) Finnish birch plywood with heavy internal bracing to minimize enclosure resonances at high levels. Large ports in the enclosure prevent compression effects and vent-induced air noise. For simplicity, input wiring is through a single 4-pin Neutrik Speakon™ connector.

Optional MTA Series brackets are available to provide additional mounting possibilities. A 35 mm pole-mount receptacle is recessed into the top of the 4742A, allowing one or two 4716A's, 4726AP's or 4728AP's to be used with the cabinet in a convenient package format. The heavy-duty rear connector panel features a threaded insert to accept an M12 safety eyebolt. In addition to a removable black nylon front grille, each of the bass drivers has an individual steel protective grille. Finished in durable dark grey acid-hardened paint with recessed cutout handles, the 4742A looks as good as it sounds.

PRELIMINARY SPECIFICATIONS

Model 4742A

Components	2 - JBL 22G6H low frequency transducers
Frequency range (-10 dB)	25 Hz—2.8 kHz
Frequency response C± 3 dB)	40 Hz—2 kHz
Enclosure tuning	47 Hz
Sensitivity	101 dB (2.83 V, 1 m)*
Power capacity	1200 W (AES standard, 60—600 Hz)
Maximum SPL (1 m, continuous program)	TBA
Recommended crossover frequencies	100 Hz—1200 Hz, 30 Hz low cut
Nominal impedance	4 ohms
Connectors	2 - Neutrik Speakon NL4MPR
Dimensions	500mmHx850mmWx480mmD(19 1/16" H x 33 7/16" W x 18 1/16" D)
Finish	Dark grey acid-hardened paint with black nylon grille
Net weight	46 kg (103 lb)

Accessories:

MTA 21336	Support Pole for use with 4716A/26AP/28AP
MTA 24123	"U" Bracket
NL4PC	Neutrik Speakon Cable Connector, 4-Pin
NL4MM	Neutrik Speakon Coupler, 4-Pin
3700-4	4-Wire Speaker Cable
3705-4	4-Wire Speaker Cable, 5 m, with NL4FC Connectors
3720-4	4-Wire Speaker Cable, 20 m, with NL4FC Connectors
4700APNT	Touch-Up Paint

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

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.