

FEATURES

- Exceptional power handling capacity
- Extended frequency response
- Ultra compact design
- Large area vents reduce air flow noise

Enhanced LF Driver cooling

The B218A is a carefully designed subwoofer intended for sound reinforcement applications. Lange Loudspeakers developed a proprietary cooling method that further enhances power handling capability and overall performance. Both ND magnets are placed in high turbulence areas of the reflex channels reducing by 25% the temperature rise of the driving mechanism of both LF drivers. A very dependable operation is achieved. When operating at full power the B218A has a reduced power compression ratio if compared to conventional systems.

DESCRIPTION

The B218A is a double tuned, double 18" Subwoofer incorporating Lange Loudspeakers loading principle. It is designed for use in applications requiring accurate and powerful reproduction of low frequencies.

The B218 has an operating frequency range of 30 Hz to 160 Hz with a maximum peak output of 141,8 db. It's a rugged, lightweight centrally charged enclosure housing two ND18" woofers. These advanced components, each fitted with 4,5 inch voice coils, provide the highest output power-to-weight ratio of any speaker system in its class.

The cabinet consists mainly of two different volumes with different charging techniques. The back sides of the two drivers are tuned by a reflex tunnel, while the front area of the diaphragms is charged by a truncated horn throat that extends the frequency response up to 160 Hz. The carefully designed concept can stand all the electrical power the B218A is stated avoiding any bottoming effect. The system is rated 2400 Watts PGM on a 4 Ohm load and shall deliver 106dB with one watt input @ one meter in half space conditions and 135.8 dB continuous, 141.8dB peak SPL.

The B218A is constructed of 18 mm Finnish birch, pressed and glued together for maximum strength and finely finished in black textured paint. The cabinet is 77 cm deep (without wheels), 75 cm tall and 57,5 cm wide. Extensive internal bracing guarantees long term stability even in the most demanding conditions. Eight handles allow easy transportation.



SPECIFICATIONS

Sensitivity	102 dB 1W, 1 meter (single unit)
Frequency response (1)	30 Hz – 160 Hz +0/- 6dB
Maximum power Handling (2)	4'800 watts
AES Power Handling (3)	2'400 watts
Maximum Sound Pressure	135,8 dB
Peak Sound Pressure	141,8 dB
Power Compression	3 dB
Impedance	4 Ω
Recommended Cross-Over	Between 80 Hz – 160 Hz
Connectors	2 x Neutrik $\text{\textcircled{R}}$ NL4MP wired: 1+ positive, 1- negative, +2 & -2 loop trough
Box Construction	18 mm (3/4") Birch plywood
Finish	Black epoxy glue, texture paint
Grille	Steel grille, 2mm, black powder coating with polyurethane foam (10ppm)
Dimensions	57,5 x 76,0 x 77.0 (cm)
Weight	56 Kg
LF Driver type	2x 18" ND drivers, 4,5" Voice coils
Spares & Accessories	B218 "Blickle" black heavy duty Wheel

(1) -6 dB point

(2) AES 1-1984 Rev. 2003

(3) 3 dB greater than nominal power

