

## GL3B

The **GL3B** is yet another major lightweight advance by Shermann® in the development of compact, high power, low frequency drive systems.

This entirely new design by Ken Hughes introduces TriA2™ loading techniques within **A Series** LF products.

This efficient loading technique offers major sonic advances through the combination of critical excursion control and port positioning optimised for the desired LF response.



The lightweight European built 15" LF driver operates within a compact, ported enclosure to provide smooth, high energy, extended low frequency drive below 35Hz.

### Touring the GL3B

Versatility is the keyword associated with all Shermann products and the GL3B has been designed to maximise use within a wide variety of system combinations.

Used in pairs or multiples the GL3B provides an advantageous LF drive solution for PA and AV rental companies.

At last, using Shermann GL3B LF units with R or A Series mid/hi cabs the FOH system will use far less cargo space and weight allowance than the supporting compliment of amp, desk, mic stand, FOH rack and cable flight cases.

This lightweight, compact low frequency workhorse is supplied with four strategically placed handles to assist loading or stacking; the cabinet may be used in vertical or horizontal format.

Four x 80mm rear mounted swivel castors are supplied as standard whilst a fully recessed, heavy duty 35mm pole mount is also fitted on the top of the GL3B for use with our telescopic extension pole.

Due to the low weight and compact nature of the GL3B it is our recommendation that any cabinet placed on the extension poles should not exceed 15kg.

### Installing the GL3B

The numerous advantages of fully equipped Shermann touring boxes are also available to the installer.

From a totally basic model without handles or castors the GL3B may also be specified in a variety of painted finishes and even supplied with flying equipment if space restrictions dictate that LF drive cabinets cannot be floor mounted.

Our expertise in the installation market allows us to offer superb sounding systems which are highly efficient, cost-effective and fully compatible with our customer's requirements.

### Exterior fittings

**Handles** (sides x 2)

Steel bar

**Handles** (top and bottom x 2)

Steel recessed large flip type

**Castors** (rear mounted x 4)

80mm heavy duty swivel type.

Quick removal castor plate option\*.

**Finish**

Textured **Protective Coating** or TRC finish for installations

**Grille**

Heavy duty welded mesh on steel frame c/w acoustically transparent foam and engraved logo.

**Skids**

Bottom and rear mounted easily replaced 18mm plywood skids

**Flying Points** (option)

GS-TA5 side and rear mounted track

### Construction

**Cabinet shell**

15mm multi-laminate Scandinavian birch plywood.

**Baffle assembly**

18mm multi-laminate Scandinavian birch plywood.

### Connections

**Speakon NL4**

pin 1+ **hot** / pin 1- **cold**

**Speakon NL8** (option) \*

pin 1+ **hot** / pin 1- **cold**

**Wiring** (NL4 & NL8 connectors)

**Brown + / Blue -**

**Connector / back plate options** \*

1) Dual NL8 - standard fitting

2) Deep recessed 2 x NL4

3) Single NL8 plus 2 x NL4

*All sockets are parallel linked on all available pins eg. 1+ 1- / 2+ to 2+ (see diagrams)*

### Crossover frequencies

**High pass**

30Hz 4th/8th order Linkwitz-Riley or Butterworth filtering

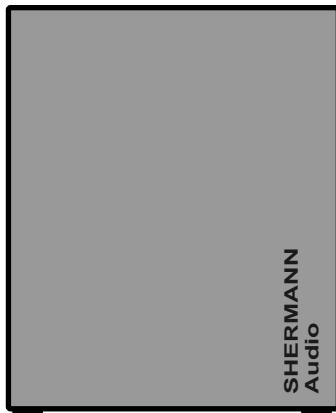
**Low pass**

110Hz 4th order Linkwitz-Riley

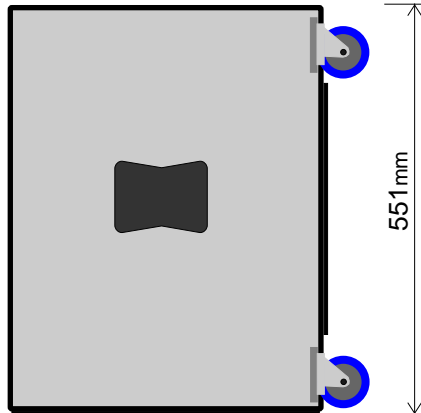
*Note: The GL3B is not available with internal passive filtering*

\* Options must be requested at time of ordering.

## GL3B

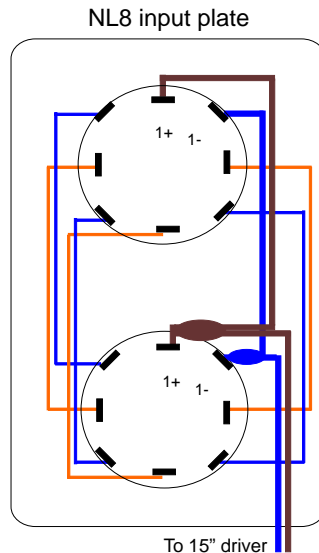
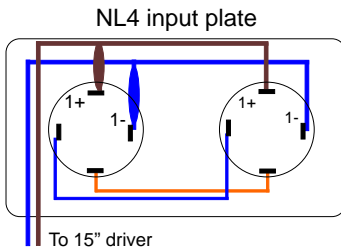


445mm



445mm  
521mm

551mm



### Speaker Cables

We recommend the use of 4mm<sup>2</sup> or 6mm<sup>2</sup> OFC cabling with all Sherman LF drive cabinets.

Wherever possible, cable lengths should not exceed 5 metres for 4 ohm loading (2 x 8ohm GL3B in parallel); cabinet link cables should not exceed 1 metre.

Please call for details on Sherman cables - contact info' shown below.

### Please note

We would like to draw your attention to the likelihood of hearing damage from prolonged exposure to high sound pressure levels.

Care should be taken when using cabinets in close proximity to the audience, musicians or artists.

For further information on the safe operation of any Sherman product please fax, call or email us - contact details are shown below.

The information within this data sheet is correct at the time of publication.

It is recommend that all technical information is verified with the company before inclusion in quotations or tender documents.

The company will not be held responsible for losses or difficulties arising from errors, changes or omissions.

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### Technical Specifications

#### System

Format	TriA2 loading
Nominal impedance	8 ohm
Optional impedance	n/a
Rec' amp' power @ 8ohm	450-700 watts rms
Maximum power	1400 watts

#### Performance

Sensitivity @ 1w/1m	98 dB
Output (peak)	126(129)dB @ 1m
Frequency response (-3dB)	38 Hz - 130 Hz

#### Components

Drive unit size	388 mm / 15"
Voice coil diameter	102 mm / 4"
Chassis	cast aluminium
Suspension	dual spider
Magnet	neodymium
Mounting	6mm caphead bolts x 6

#### Dimensions

Height - incl' skids	551 mm / 21.75"
Depth - over castors	534 mm / 21.00"
Depth - excl' castors	445 mm / 17.50"
Width	445 mm / 17.50"
External volume	109 lts / 3.8 ft <sup>3</sup>
Weight	22.1Kgs / 49 lbs

\* Options must be requested at time of ordering.

For optimum performance and system protection we recommend the use of a digital loudspeaker management unit within systems incorporating the GL3B. Klark-Teknik, BSS, Ashly and XTA manufacture suitable models which may be loaded with preset configurations to operate with any Sherman system.



**ShermannAudio**

A Series