

R118C(F)

The new **R118C** by Shermann® is a major advance in the development of compact, high power, low frequency drive systems.

The design by Ken Hughes introduces the QEP™ drive unit loading techniques within **R Series** LF products.

The technique offers major sonic advances through the combination of critical excursion control.



The European sourced 18" LF driver operates within a compact, ported enclosure to provide smooth, high energy, low frequency drive between 40 and 110Hz.

Sharing the same dimensions and optional flying hardware as the RS5 the R118C may be successfully used in a wide variety of high quality systems.

The R118CF is equipped with CF4 flying fittings and rear hinge plates

Touring the R118C

Versatility is the keyword with all Shermann products and the R118C has been designed to maximise use within a wide variety of system combinations.

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

Four x 100mm rear mounted swivel castors are supplied as standard whilst an *optional* castor attachment plate may be fitted to allow rapid removal of any castor for the odd occasion when load or stage space becomes a little tight.

A fully recessed, heavy duty 35mm pole mount is also fitted on the top of the R118C for use with our telescopic extension pole; these fittings will support a 40kg mid/high cabinet.

Installing the R118C

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 R118C may also be specified in a variety of painted finishes and 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 4)

Sealed insert style

Handles (top and bottom x 2)

Sealed insert style

Castors (rear mounted x 4)

100mm heavy duty swivel type.

Finish

Textured Protective Coating / black as standard; colour options

Grille

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

Skids

Bottom and rear mounted easily replaced 15mm plywood skids

Flying Points (R118CF)

2) GS-CF4 side mounted plates and rear hinge plates

Construction

Cabinet shell

18mm multi-laminate Scandinavian birch plywood.

Baffle assembly

25mm multi-laminate Scandinavian birch plywood.

Connections

Speakon NL8

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

Speakon NL4 (option) *

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

Wiring (NL4 & NL8 connectors)

Brown + / Blue -

Connector / back plate options *

- 1) Deep recessed 2 x NL4
- 2) Deep recessed single NL8
- 3) Single NL8 plus 2 x NL4

All sockets are parallel linked on all pins eg. 1+ to 1+ (see diagrams)

Crossover frequencies

High pass

35Hz 4th/8th order Linkwitz-Riley or Butterworth filtering

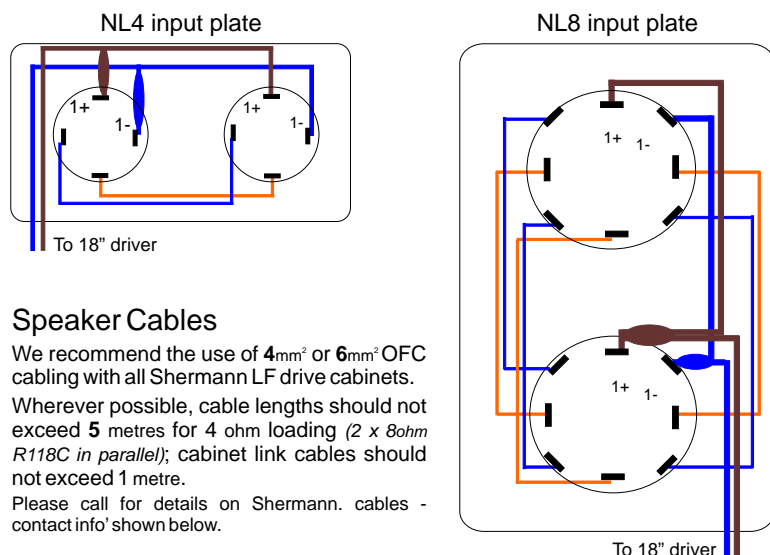
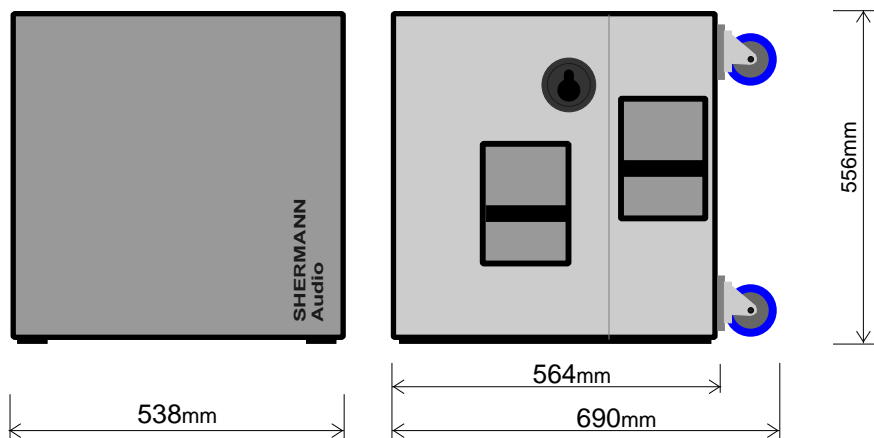
Low pass

110Hz 4th order Linkwitz-Riley

Note: The R118C is not available with internal passive filtering

* Options must be requested at time of ordering.

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Speaker Cables

We recommend the use of 4mm² or 6mm² OFC cabling with all Shermann LF drive cabinets. Wherever possible, cable lengths should not exceed 5 metres for 4 ohm loading (2 x 8ohm R118C in parallel); cabinet link cables should not exceed 1 metre. Please call for details on Shermann 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 Shermann product please fax, call or email us - contact details are shown below.

The information within this data sheet is accurate and correct at the time of publication. It is recommended 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	QEP loading
Nominal impedance	8 ohm
Optional impedance	16 ohm *
Rec' amp' power @ 8ohm	400-600 watts rms
Maximum power	900 watts
Short term peak	1,800 watts

Performance

Sensitivity @ 1w/1m	98 dB
Output (peak)	128(131)dB @ 1m
Frequency response (-3dB)	40 Hz - 120 Hz

Components

Drive unit size	462 mm / 18"
Voice coil diameter	102 mm / 4"
Chassis	cast aluminium
Magnet	neodymium
Suspension	dual spider
Mounting	6mm caphead bolts x 8

Dimensions

Height	561 mm (22.10")
Depth - excl' castors	564 mm (22.20")
Depth - over castors	690 mm (27.25")
Width	538 mm (21.20")
External volume	148 lts (5.22 ft ³)
Weight	38.6 Kgs (89 lbs)
Weight (with CF4 flying fittings and hinge plate)	39.8 Kgs (92 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 R118C. Klark-Teknik, BSS and XTA manufacture suitable models which may be loaded with preset configurations to operate with any Shermann system.

The front foam used on this cabinet is not fire retardent.



Shermann

R Series