

Notes:

All CA4 built between 1994 and 1997 and fitted with PHL 15", PHL midrange and Beyma HF.
Generally supplied with flying track.

The CA4 **low distortion - lightweight.**

The CA4 is a time aligned, high efficiency model designed to be used in pairs or multiples.

It is a higher power version of our original GX Commando which has been in use for many years covering the widest possible variety of public events from theatres to arenas and outdoor festivals.

The 15" bass/mids.

The CA4 is equipped with two highly efficient 15" low mid drivers selected for their fast reaction in their pass band of 80 - 700 Hz.

Mounted beneath the dual horn unit the 15" drivers offer depth and realism to the lower vocal region.

In addition, instrumental response including drums and percussion are reproduced with amazing accuracy.

The 6.5" and 2" Mid/HF horn assembly

The CA4 features a low distortion dual horn assembly built from GRP operating from 700Hz which houses two drive units.

A 6.5" driver operates from 700Hz to 2.7Khz which then crosses passively to an efficient 2" drive unit.

The dispersion is a nominal 70° x 40°.

Resulting in amazing vocal intelligibility the dual horn is the engine house of the Shermann **CA4**.

The CA4 cabinet.

Built from Eastern European birch plywood the CA4 is shaped in a conventional trapezoidal pattern for ease of transport, stacking and flying. Rear sides are angled at 17° making the use of two wide a successful option especially within wider than deep rooms.

For flying purposes the CA4 is equipped with three point track and may also be fitted with M10 inserts to enable use with its dedicated yoke bracket.

Six large insert handles are fitted to the enclosure as are plywood skids.

Finally, the gigging version of the CA4 is coated with a durable heavy duty black carpet material.

The results.

The CA4 is a high technology loudspeaker that's easier to use than many other loudspeaker systems.

It's ability to offer accurate dispersion in singles or multiples places control of the unit firmly with the engineer.

The reduction of not only rigging time but the amount of cabinets needed to be used was a prime consideration in the development of the **CA4**.

Therefore, not only will this model replace at least three boxes of mini line array in terms of output levels it may also be stacked or flown high above bass bins far more easily thereby eliminating sight line problems.

The required DSP settings are minimal in fact, the CA4 may be used with a completely flat crossover provided the filter points are correctly set.

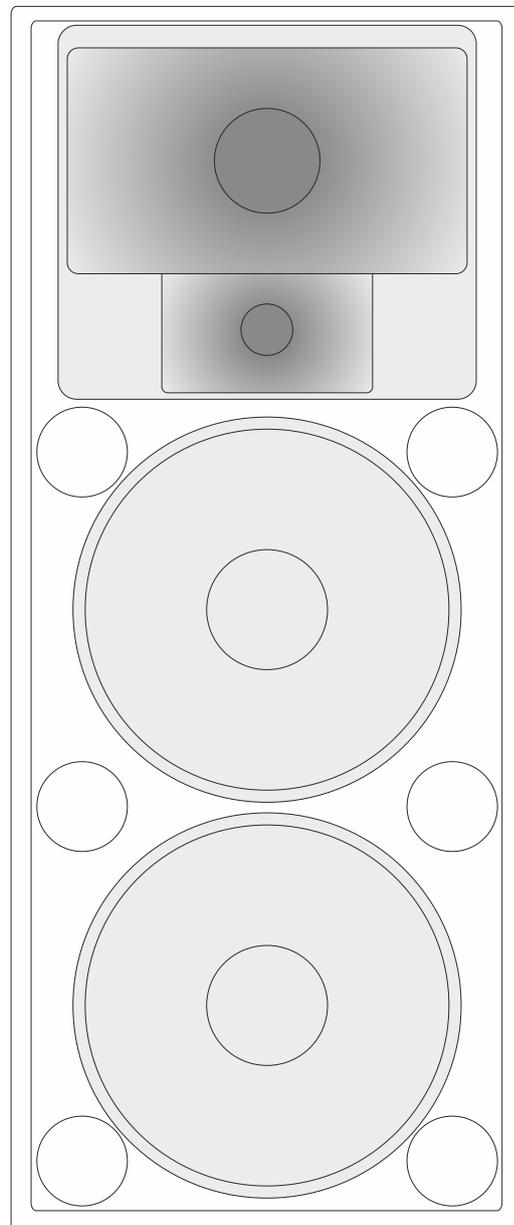
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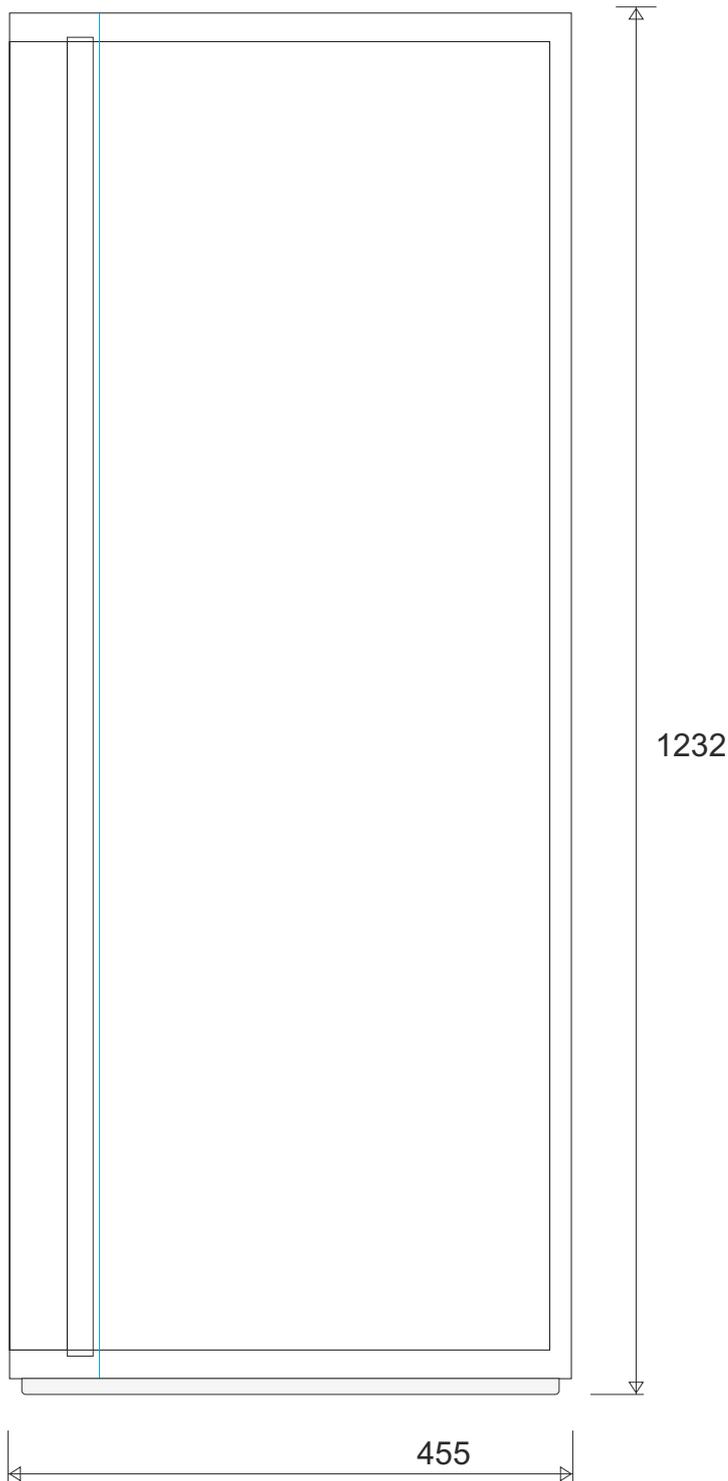
Please see page 2 for mechanical and technical details.

Warning.

It should be remembered that the CA4 is capable of high pressure levels therefore care should be taken in its positioning with regard to your employees and audience.

No responsibility will be accepted by the manufacturers, distributors or sellers for the incorrect or foolish use of Shermann loudspeaker systems.





System

Format	2 way (active drive)
Impedance - low	4 ohms (1600w)
Impedance - mid/high	8 ohms (250w)

Performance

O/P level at rated power	131 dB @ 1m
Frequency range	55 Hz - 19 KHz (± 3dB)
Dispersion above 500 Hz	70° x 40° (H x V)
Efficiency LF	100dB 1w/1m
Efficiency Mid/HF	106dB 1w/1m

Drive unit - 15"

Drive unit size	387 mm / 15" x 2
Voice coil diameter	101 mm / 4"
Chassis	cast aluminium
Magnet	ferrite
Mounting	6mm caphead bolts x 8

Drive units - horn

Drive unit - mid	164 mm / 6.5"
Voice coil - mid	44 mm / 1.7"

Drive unit exit - hf	51 mm / 2"
Voice coil - hf	76 mm / 3"

Horn unit construction	GRP
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Dimensions

Height	1232 mm - 48.50"
Depth	455 mm - 17.90"
Width	546 mm - 21.50"
External volume	305 lts - 10.80 ft ³
Weight	64 Kgs - 141 lbs

Cabinet

Panels	18 mm birch ply
Baffle	24 mm birch ply
Cabinet external	Heavy duty carpet
Handles x 2	Top and bottom back
Handles x 4	Side lift
Grille	Coated steel mesh & foam
Skids	15mm plywood

Connections NL8

Connector	NL8 x 2 (pins linked)
Low mid	Pins 2+ 2-
High mid	Pins 3+ 3-

Flying & stand mount hardware

Flying points - fitted	GS-TA3
Safety tie - fitted	GS track
Yoke bracket fittings - opt'	10mm nut plates

* Please Note - digital crossover settings are available for Ashly, XTA, BSS, Klark-Teknik and Xilica models. The front foam used on this cabinet is not fire retardant.

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