

SHERMANN Audio

V20

The V20 - multi-role - lightweight - loud.

The new **Shermann** V20 is housed in the same footprint as the Sherman M20 wedge - it's also the same height.

V20 technology sees the use of neodymium magnet structures housing two independent voice coils.

Each section in the V20 driver handles its own dedicated frequency bands with the mid and HF sections exiting through a common, centrally mounted horn assembly.

Compact, lightweight and versatile are the requirements fulfilled by this superb Sherman cabinet.

For use in theatre touring systems, installed in theatres, larger churches and for outdoor events the V20 offers the owner or hirer a wide world of high quality sonic opportunities.

Return to the simple ways of successfully using a V20 with a Sherman R118B per side - a simple four cabinet rig offering substantial level and performance simply powered by just two channels per side.

The 12" LF section.

The V20 is equipped with a 76mm voice coil within a neodymium magnet structure housed in a cast aluminium chassis.

Eight mounting bolts secure the drive unit to the baffle board

The Mid/HF section.

A 76mm voice coil drives a titanium diaphragm for frequencies between 1.1KHz and 18.5KHz.

The Mid/HF range exits the driver from a dedicated horn assembly projecting through the centre of the drive unit.

The V20 cabinet.

Built from Eastern European birch plywood the V20 is capable of being used as a wedge monitor at two distinct angles.

A steep 35° angle allows close to mic' stand operation whilst a shallower 55° angle allows the V20 to be placed on, for example, the Sherman R3B sub for use as a drum, bass or keyboard monitor.

For flying purposes the V20 is equipped with GSTA2 flying track whilst a K&M 35mm stand mount allows the V20 to be stand or pole mounted.

An insert handle is fitted at the rear of the cabinet allowing quick and simple handling of this lightweight cabinet.

Finally, the gigging version of the V20 is coated with a dense, heavy duty textured material we've named TPC.

The coating is extremely durable and it's been proved that TPC retains its ability to protect the cabinet far longer than conventional paint finishes.

The results.

The V20 is a high technology loudspeaker that's a pleasure to use and a greater pleasure to perform with.

It's compact, durable and lightweight.

With or without subs the V20 allows the engineer great freedom of set-up whilst it's clear response in wedge mode allows artists to hear their performances precisely and accurately.

The technicals.

Please see page 2 for mechanical and technical details.

Warning.

It should be remembered that the V20 is capable of high pressure levels therefore care should be taken in their positioning with regard to your audience or artists.

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



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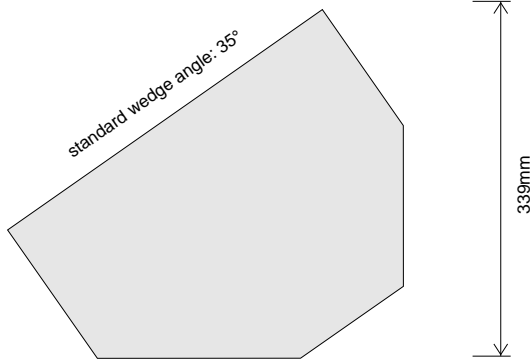
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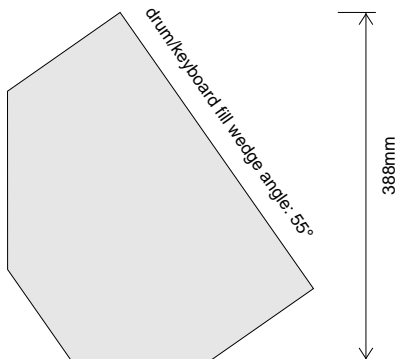
373mm

460mm



standard wedge angle: 35°

339mm



drum/keyboard fill wedge angle: 55°

388mm

System

Format	2 way passive
Passive Networks	PCN3
Nom' impedance	8 ohms
Hi-pass filter (-3dB)	50Hz / 4th/8th order
Hi-pass with sub	110Hz / 4th order LR
Power @ 8ohm	400w AES

Performance

Sensitivity @ 1w/1m	99dB
O/P level at rated power	126 dB @ 1m
Frequency range	60 Hz - 18.5 KHz (± 3dB)
Dispersion above 1KHz	60° x 40°

Drive unit - LF

Drive unit size	318 mm / 12"
Voice coil diameter	76 mm / 3"
Chassis	cast aluminium
Magnet	neodymium
Mounting	5mm caphead bolts x 8

Drive unit - Mid/HF

Drive unit exit	35 mm / 1.4"
Voice coil	76 mm / 3"
Magnet	neodymium
Diaphragm	titanium
Horn mounting	part of LF structure

Dimensions

Height	460 mm - 18.12"
Depth	260 mm - 10.25"
Width	373 mm - 14.68"
External volume	44 lts - 1.57 ft ³
Weight	13.3 Kgs - 31.5lbs

Cabinet

Panels	15 mm birch ply
Baffle	18 mm birch ply
Cabinet external	Textured Protective Coating
Handles	Top insert
Grille	Coated steel mesh
Skids	15mm plywood

Connections

Inputs	NL4 x 2
connection	Pins 1+ 1-

Flying & stand mount hardware

Stand mounts - fitted	35mm
Flying points - fitted	GSTA2 track

* 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 retardent.

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