

Variant 18A

Variant
series



FEATURES

- » Compact direct radiator line array subwoofer
- » 18" low frequency cone speaker
- » Integral line array rigging hardware

SPECIFICATIONS

Power Amplifier:	2500 W _{peak} - 1250 W _{continuous}
Input Type:	Balanced Differential
Input Impedance:	Line: 20 kΩ
Sensitivity:	Line: 1.54 V (+6 dBu)
On-axis Frequency Range (-10 dB):	33 Hz - 156 Hz
Maximum Peak SPL at 1 meter:	134 dB
Enclosure Material:	Wisa® Birch Plywood
Finish:	Black or White Paint
Transducers/Replacement Parts:	1 x 18H / GM 18G
Connectors:	INPUT: Female XLR LOOP THRU: Male XLR SATELLITE OUT: Male XLR AC INPUT: PowerCon NAC 3 FCA
AC Power Requirements:	115 V, 50 Hz/60 Hz 230 V, 50 Hz/60 Hz
Dimensions (H x W x D):	50.7x57.4x65 cm (19.9x22.6x25.6 in)
Weight:	49 kg (108 lb)
Accessories (optional):	AX-V25 (Black)/AX-V25W (White)

INTRODUCTION

The Variant 18A compact subwoofer system is the ideal complement for the Variant 25A extending the bandwidth of the array to 33 Hz.

DESCRIPTION

The cabinet design incorporates rigging hardware that permits a column of Variant 25A's to be flown from or stacked above the Variant 18A.

The Variant 18A utilizes a single 18" cone transducer. The 18H loudspeaker incorporates a 4" (100 mm) edge-wound flat wire (EFW) voice coil and carefully engineered cooling scheme efficiently evacuates voice-coil heat providing a high power handling capability and low power compression.

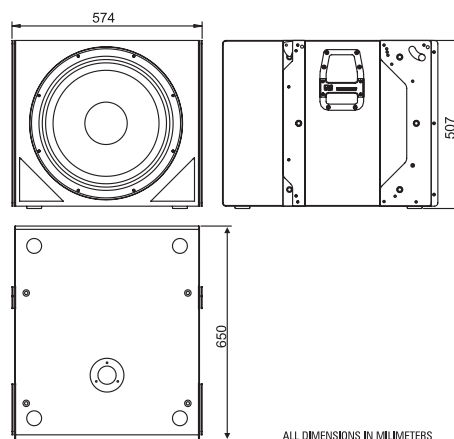
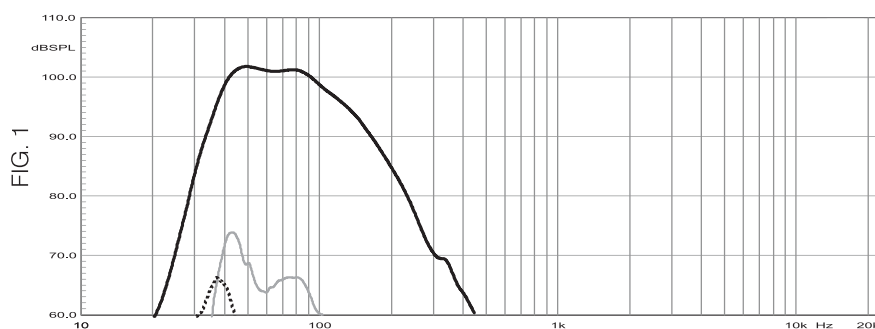
A 2500 W class D amplifier powers the Variant 18A subwoofer system. The amplifier is self-cooled so no fans or bulky heatsinks are required. It is equipped with a limiter/compressor that protects the loudspeaker components without compromising sound quality providing virtually transparent limiting even when driven to maximum output levels.

The Variant 18A amplifier offers soft start-up, is protected against under voltages and has an AC fuse that is replaceable from outside the amp.

VARIANT-1 BA

FREQUENCY RESPONSE AND DISTORTION

Figure 1 shows the frequency response at 1 m of a unit radiating to an anechoic environment and driven by a swept sine wave signal (-20 dBu input). Grey and dotted curves show Second and Third Harmonic distortion.



ALL DIMENSIONS IN MILLIMETERS

NOTES. 1.Frequency response: referred to 1 m; low end obtained through the use of near field techniques; one-third octave smoothed for correlation with human hearing.

Product improvement through research and development is a continuous process at D.A.S. Audio. All specifications subject to change without notice.

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