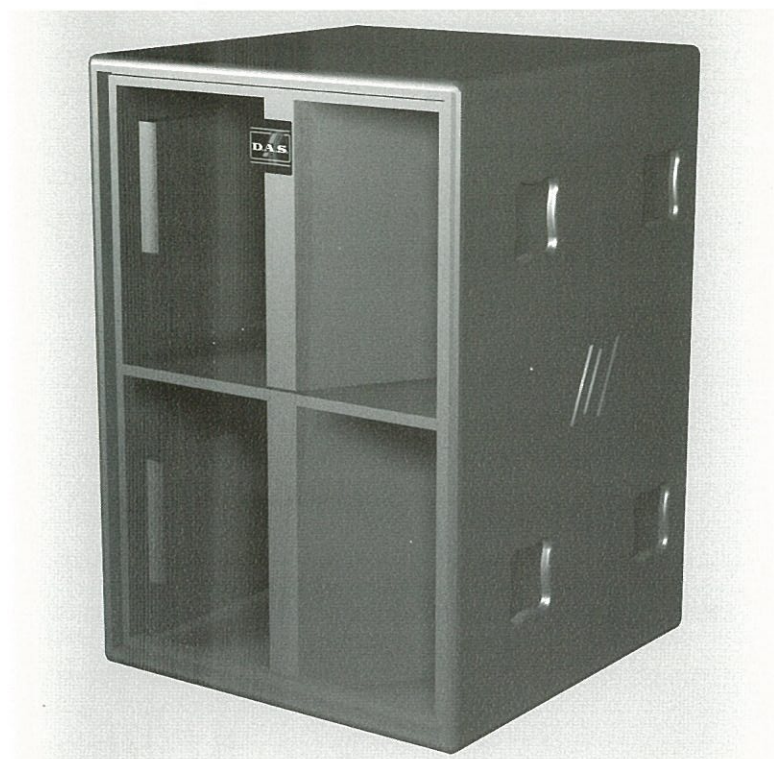


ST-218

Sound Touring series



FEATURES

- » High efficiency horn loaded low frequency system
- » 2 x 18" speaker
- » 1200 W power handling
- » Rugged steel grille with filter foam sheet

SPECIFICATIONS

RMS (Average) Power Handling^R:	1200 W
Program Power Handling^P:	2400 W
Peak Power Handling^K:	4800 W
On-axis Frequency Range^F:	40 Hz - 750 Hz
Usable Frequency Range:	35 Hz - 300 Hz
Nominal Impedance:	4 Ω
Minimum Impedance:	3.8 Ω (at 73 Hz)
On-axis Sensitivity 1W / 1 m^S:	102 dB SPL
Rated Peak SPL at Full Power:	139 dB SPL at 1m
Nominal -6 dB Beamwidths^A:	360° Horizontal
	(100 Hz octave)
Enclosure Material:	Wisa® Birch plywood
Finish:	Durable Catalyzed Polyurethane Paint
Transducers/Replacement Parts:	G-45/GM G-45
Connector:	2 paralleled NL8 Speakon, wired to ± 1
Dimensions (H x W x D):	102 x 70 x 84 cm (40.2 x 27.6 x 33 in)
Weight:	82 kg (180.8 lbs)
Shipping Weight:	90 kg (198.4 lbs)

INTRODUCTION

The ST-218 is a high efficiency horn loaded band pass system designed for sound reinforcement applications where high sound pressure levels of bass response are required. The ST-218 is part of the ST-2000 system.

APPLICATIONS

The horn loaded band pass configuration of the ST-218 provides enhanced acoustic coupling and efficiency as compared to traditional band pass systems. The hard hitting bass response makes it ideal for live systems.

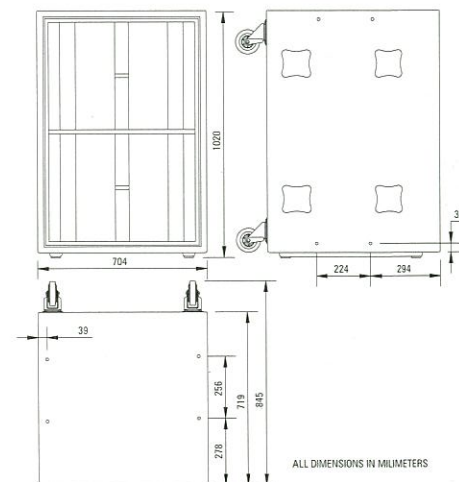
DESCRIPTION

The ST-218 houses two D.A.S. G-45 18" cone transducers. This long excursion driver features a 4" edgewound coil, massive magnet structure and carefully engineered cooling schemes, resulting in high power handling and low power compression.

The ultra-compact enclosure is manufactured from Wisa® Birch plywood and is finished with a durable catalyzed polyurethane paint. 16 integrated rigging points that accept 10M forged steel eyebolts make suspension in either the horizontal or vertical positions safe and simple. The ST-218 has a fabric covered steel grille to protect the loudspeaker components. The fabric covering is resistant to wear and tear, provides protection from dust and dirt, and is both acoustically transparent and flame retardant.

PLACEMENT

As with any bass unit, the ST-218's low frequency output will benefit from placement against walls and/or floors.



ALL DIMENSIONS IN MILLIMETERS

^R Corresponds to the AES power handling rating for the component, based on a 2 hour test using a 6 dB crest factor bandlimited pink noise signal.

^P Conventionally 3 dB higher than the RMS measure, although this already utilizes a program signal.

^K Corresponds to the signal crests for the test described in^P.

^F As per IEC 268-5 (1989), re. a one octave band centred at 125 Hz. Half space anechoic.

^I In practice cable and connector impedance has to be added to all impedance values.

^S For the 125Hz one octave band.

^A Average of one-third octave band measures.

One and one-third octave bands comply to ANSI S1.11-1986.

