

ST-32

Sound Touring series



INTRODUCTION

The D.A.S. ST-32 is a compact high efficiency 2-way vented stage monitor and multi-purpose system.

DESCRIPTION

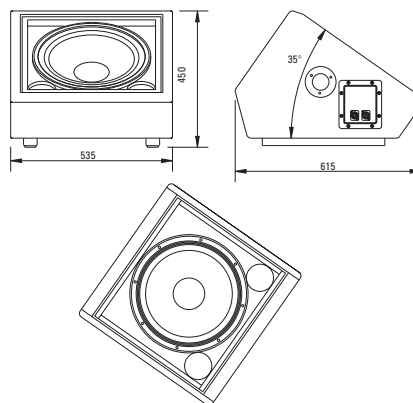
The system is made up of a cone speaker and a compression driver mounted coaxially. A 15" speaker with 4" voice coil is used for the low end, while the high frequencies are handled by a 1" exit compression driver with 1.75" titanium diaphragm and voice coil, coupled to an integral conical horn. The use of large magnetic circuitries and voice coils assures high resistance to abuse.

The coaxial arrangement of the low and high frequency drivers results in a directivity response free of irregularities, which helps overcoming microphone feedback problems. The front baffle is angled 35°, which is adequate for typical stage monitoring situations.

The enclosure is manufactured from Wisa® Birch plywood and is finished with a durable catalyzed polyurethane paint that provides protection against the elements and abrasion. The wedge shape minimizes panel vibration and cabinet modes.

The ST-32 has a polyamide powder coated steel grille to protect the loudspeaker components. The grille is covered with a fabric that provides resistance to wear and tear, protection from dust and dirt, and is both acoustically transparent and flame retardant.

An integral 35 mm socket can be used for tripod mounting, extending the range of applications for the system.



ALL DIMENSIONS IN MILLIMETERS

FEATURES

- » 2-way vented monitor wedge
- » 15" speaker and 1" compression driver
- » Coaxial design results in compact size and even directional response
- » Built-in tripod socket extends range of applications

SPECIFICATIONS

RMS (Average) Power Handling^a:	300 W
Program Power Handling^b:	600 W
Peak Power Handling^c:	1200 W
On-axis Frequency Range^d:	60 Hz - 18 kHz
Nominal Impedance:	8 Ω
Minimum Impedance^e:	6 Ω (at 65 Hz)
On-axis Sensitivity 1W / 1 m^f:	98 dB SPL
Rated Peak SPL at Full Power:	129 dB
Nominal -6 dB Beamwidths^g:	80° Horizontal
(average, 500 Hz to 8 kHz)	80° Vertical
Speech Coverage Angles^h:	80° Horizontal x 80° Vertical
Enclosure Material:	Wisa® Birch Plywood
Finish:	Durable Catalyzed Polyurethane Paint
Transducers/Replacement Parts:	15BCX/GM 15BCX (low), M5/GM M-5 (high)
Connector:	2 paralleled NL4 Speakon, wired to ±1
Dimensions (H x W x D):	45 x 54 x 62 cm (18 x 21.5 x 24.5 in)
Weight:	28.6 kg (63 lbs)
Shipping Weight:	31.8 kg (70 lbs)
Accessories (optional):	TRD-2 adjustable tripod

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^a Based on a 2 hour test using a 6 dB crest factor pink noise signal bandlimited according to IEC 268-1 (1985). All power ratings are referred to the nominal impedance.

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

^c Corresponds to the signal crests for the test described in^f.

^d As per IEC 268-5 (1989), re. a one octave band centred at 1 kHz. Half space anechoic.

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

^f For the 1 kHz one octave band.

^g Average of one-third octave band measures.

^h There is currently no standard method of averaging the beamwidth with frequency characteristics into a single meaningful figure, which impedes comparisons across manufacturers and very often even product lines. This, our own, criterion weighs the -6 dB coverage angles from one-octave bands according to their contribution to speech intelligibility.

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

