

DS-15A

Dynamics series



FEATURES

- » Bi-amplified 2-way System
- » 150 W low frequency power amplifier
- » 50 W high frequency power amplifier
- » 15" cone speaker
- » 1" compression driver

SPECIFICATIONS

Low Frequency Power Amplifier^A:	150 W _{RMS}
High Frequency Power Amplifier^A:	50 W _{RMS}
Input Type:	Balanced Differential for Line and Mic
Input Impedance:	Line: 20 kΩ; Mic: 2 kΩ
Sensitivity:	Line: 0.75 V (-0.28 dBu) Mic: [3 mV, 150 mV] (-48 dBu, -14 dBu)
On-axis Acoustical Frequency Range^F:	60 Hz - 15 kHz
Rated Maximum Peak SPL at 1 meter:	127 dB
Nominal -6 dB Beamwidths^B:	90° Horizontal
(average, 500 Hz to 8 kHz)	70° Vertical
Speech Coverage Angles :	95° Horizontal x 75° Vertical
Enclosure Material:	Mineral loaded polypropylene
Color:	Black or white
Transducers/Replacement Parts:	LF: P-15/GM P-15; HF: M-3/GM M-5
Connectors:	Female XLR for MIC IN. 1/4" phone jack for LINE IN, LINE OUT and INSERT.
AC Power Requirements:	115 V, 50 Hz/60 Hz 230 V, 50 Hz/60 Hz
Dimensions (H x W x D):	70 x 45 x 36 cm (28 x 18 x 15 in)
Weight:	23.4 kg (51.5 lbs)
Shipping Weight:	26 kg (57 lbs)
Accessories (optional):	TRD-2 adjustable tripod ANL-1 4-piece hanging eyebolt/carabiner set FUN-15A padded transport cover

INTRODUCTION

The DS-15A is a versatile bi-amplified two-way vented loudspeaker System.

APPLICATIONS

The DS-15A is an ideal System for solo musicians and keyboard based groups providing a complete sound reinforcement solution in a single package, PA applications such as recitals, conferences, receptions, or any event that requires a System that is easy to use and transport, will benefit from the DS-15A.

DESCRIPTION

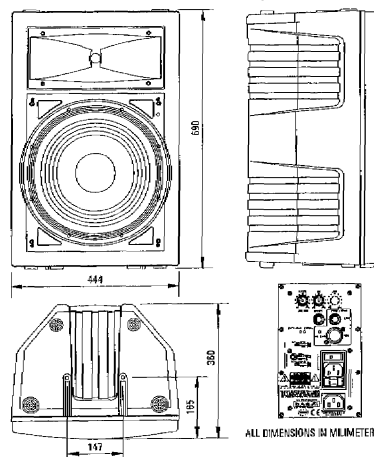
The DS-15A incorporates a 150 W amplifier for the low frequency transducer and a 50 W amplifier for the high frequency driver. Both are protected against overvoltage, undervoltage, overloads, including shorts to the supplies, thermal runaway, and instantaneous temperature peaks.

The DS-15A has a built-in two channel mixer with a microphone input and a line input with independent level controls. A master volume control is also provided.

The low frequency section utilizes a high efficiency 15" low frequency speaker with 3" voice coil. The high frequency section makes use of a 1" exit compression driver with 2" titanium diaphragm, coupled to a constant directivity horn.

Full use of high pressure injection moulding techniques has achieved a mineral loaded polypropylene cabinet of a very high density with minimum vibration. An integral handle facilitates carrying. A rugged steel grill protects the cone speaker.

Two M8 flying points on the top and bottom of the enclosure allow flying. An integral 35 mm socket can be used for tripod mounting.



ALL DIMENSIONS IN MILLIMETERS



^A 8 ohm load @ 1% THD.

^F As per IEC 268 5 (1999), re, a two octave band centred at 500 Hz. Half space anechoic.

^B Average of one third octave band measures.

^C 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 weights 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.