

LM153 15-inch 3-Way Main / Monitor

Features

- ◆ Compact light weight 3-way Design
- ◆ Heavy-Duty Neodymium 15-inch Woofer
- ◆ Neodymium 6-inch mid-range Woofer
- ◆ Neodymium 1-inch exit (1.5" VC) HF driver
- ◆ Monitor cuts on both back corners
- ◆ Water Resistant Polypropylene Enclosure

Application

The LM153 is designed to stand alone as a full range sound reinforcement loudspeaker, to lay down for a full range monitor, or to couple with our LSX1801 for a three way extended low-end system. Effective for both permanent and portable applications, it comes with 4 fly points, rubber footpads, and a 1-3/8-inch pole mount cup.

Applications include:

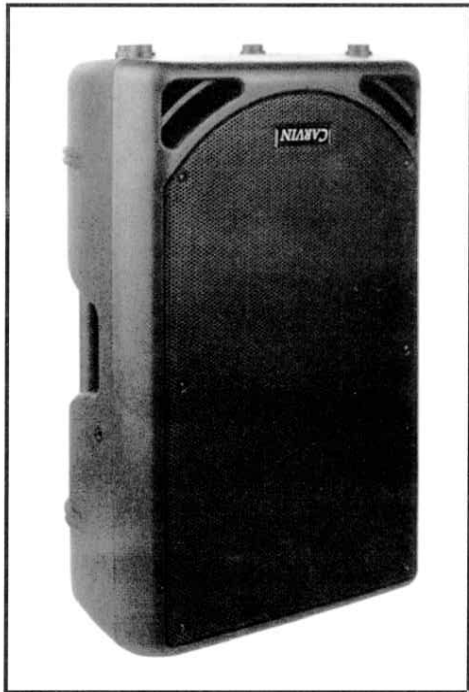
- ◆ Club System
- ◆ House of Worship
- ◆ Band PA
- ◆ Satellite system

Description

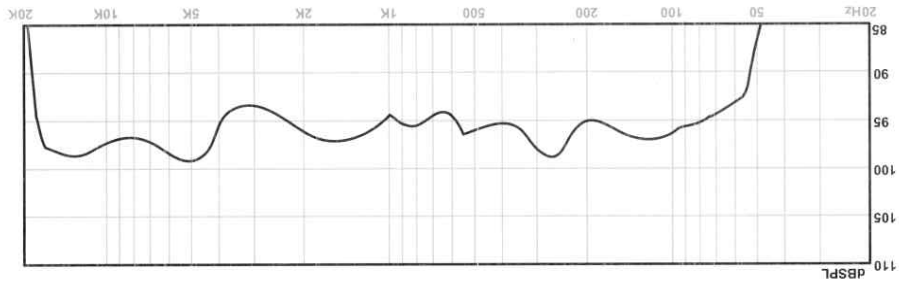
The LM153 incorporates premium lightweight Neodymium components housed in a rugged, water resistant polypropylene enclosure making this is the most advanced system on the market today. The high-end Neodymium drivers offer a greater range with higher dB output for the same wattage making them more efficient than their ceramic magnet counterparts. Designed for medium size venues, the audience will hear crystal clear sound. The enclosure is made of molded virgin polypropylene it won't chip or crack and can withstand our drop tested at 3M (12.5 ft). The front is covered by a heavy gauge steel powder coated grill. The crossover includes two of Neutrik's combo Speakon and 1/4" phone connectors mounted on FR4 double sided circuit boards for solid construction and durability. Carvin's exclusive Speaker Guard™ HF Driver protection uses a self resetting relay circuit to dim the HF driver 10 dB protecting the voice coil from excessive power. The benefits are the driver is not turned off losing all the high frequencies, the circuit resets as soon as the high frequency content is back to normal levels.

Specifications LM153

System Type:	15-inch 3-Way, bass-reflex
Frequency Response:	50 Hz - 18 kHz (-10DB)
	58 Hz - 17 kHz (-3 dB)
Coverage Pattern:	90° x 45°
Crossover:	2-Way with Speaker Guard™ HF protection
Crossover Frequency:	400Hz, 3.5 k Hz
Power:	Continuous / Program / Peak
Full Range:	475w /950w /1900
Recommended Amplifier Power:	400 - 1400w
Sensitivity (1w @ 1m):	97dB
Maximum SPL:	123dB
LF Driver:	15-inch Neodymium Woofer
MF Driver:	6-inch Neodymium Woofer
HF Driver:	1-inch exit 1.5-inch VC
Nominal Impedance full range:	8 ohms
Enclosure:	Virgin Polypropylene
Suspension/Mounting:	1-3/8-inch pole mount cup
Transport:	4 Fly Points
	2 Handles
Grill:	Black steel
Connectors:	Two Neutrik Combo
Dimensions (H x W x D):	1/4-inch / Speakon's
	710 mm x 454 mm x 300 mm
	27.875 in x 17.875 in x 13.125 in
Net Wt:	16 kg (35 lb)
Optional Accessories:	CVL15 cover
	LMUB suspension "U" bracket



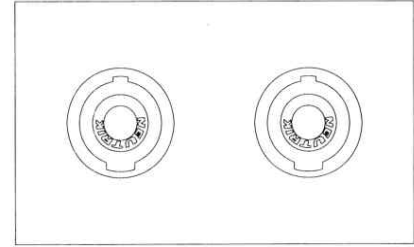
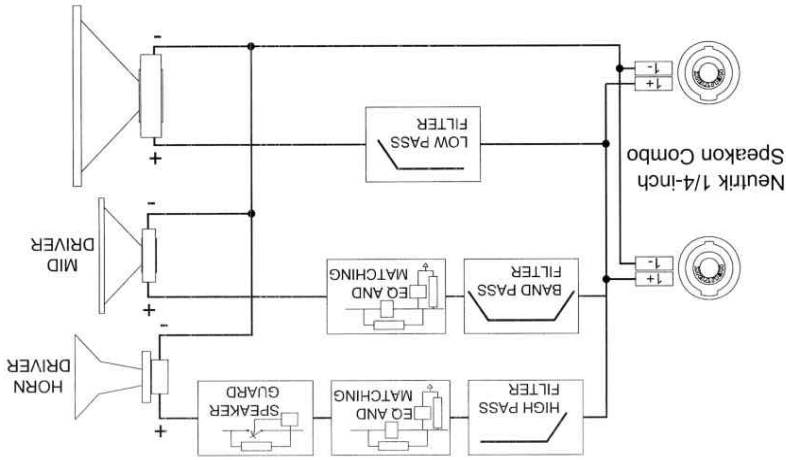
Frequency Response



Rear Plate



Crossover Block Diagram



Suspension with LMUB Bracket

