

# 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 with stand 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.

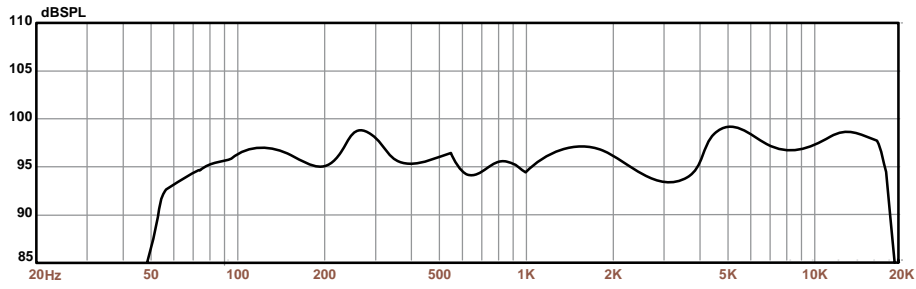


## Specifications LM153

<b>System Type:</b>	15-inch 3-Way, bass-reflex
<b>Frequency Response:</b>	50 Hz – 18 kHz (-10DB) 58 Hz – 17 kHz (-3 dB)
<b>Coverage Pattern:</b>	90H x 45V
<b>Crossover:</b>	Speaker Guard™ HF protection
<b>Crossover Frequency:</b>	400Hz, 3.5 k Hz
<b>Power:</b>	Continuous / Program / Peak
<b>Full Range</b>	475w /950w /1900
<b>Recommended Amplifier Power:</b>	400 – 1400w
<b>Sensitivity (1w @ 1m):</b>	97dB
<b>Maximum SPL:</b>	123dB / 129dB peak
<b>LF Driver:</b>	15-inch Neodymium Woofer
<b>MF Driver:</b>	6-inch Neodymium Woofer
<b>HF Driver:</b>	1-inch exit 1.5-inch VC Neodymium Titanium Driver
<b>Nominal Impedance full range:</b>	8 ohms
<b>Enclosure:</b>	Virgin Polypropylene
<b>Suspension/Mounting:</b>	1-3/8-inch pole mount cup 4 Fly Points
<b>Transport:</b>	2 Handles
<b>Grill:</b>	Black steel
<b>Connectors:</b>	Two Neutrik Combo 1/4-inch / Speakon's
<b>Dimensions (H x W x D):</b>	710 mm x 454 mm x 300 mm 27.875 in x 17.875 in x 13.125 in
<b>Net Wt:</b>	16 kg (35 lb)
<b>Optional Accessories:</b>	CVL15 cover LMUB suspension "U" bracket

# CARVIN

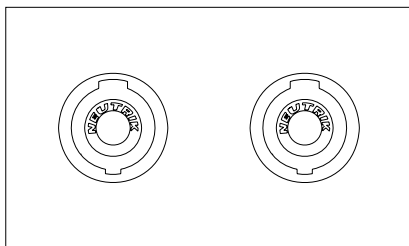
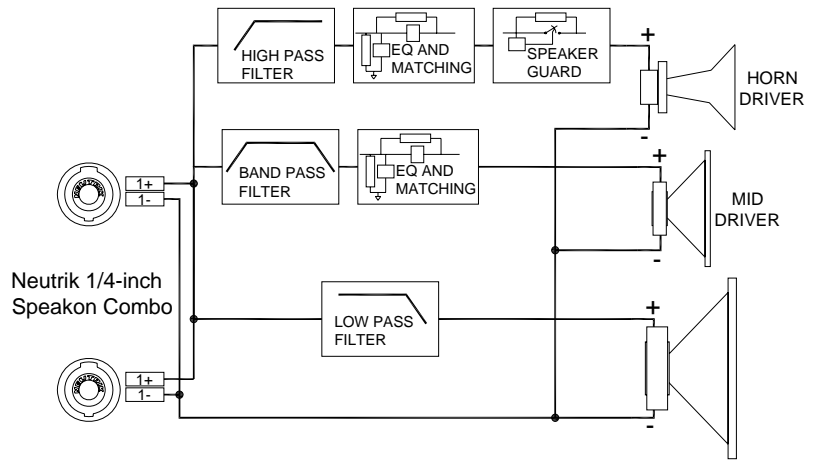
# Frequency Response



# Rear Plate



# Crossover Block Diagram



# Suspension with LMUB Bracket

