

# CARVIN

## 1331 Horn Loaded Low Frequency System

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The 1331 Woofer System employs our 400 Watt 15" driver in a vented horn loaded enclosure. The 1331 can be combined with the R560 Radial Horn to form a highly efficient full range two-way speaker system. The 1331 and R560 can also be combined into a high performance full range Bi-Amped speaker system.



## • COMPONENTS

The 1331 Low Frequency system employs the **PS15C** 400 watt driver in a horn loaded vented enclosure. The cabinet is covered in durable OZITE™ and has strong recessed handles and rugged steel corners. As the refined version of a proven speaker system the 1331 provides the performance required for professional sound reinforcement.

## • HOOK UP

Hook up is as simple as plugging in a non-shielded cable with a 1/4" phone plug into the input jack located on the input connector plate. **DO NOT use shielded cable as it may cause serious damage to the amp.** All power should be turned off while connecting to prevent damage. The second jack provides a parallel output allowing you to hook up other speaker systems. **CAUTION:** Your load impedance will be reduced by half if you add another speaker of the same impedance. **DO NOT daisy-chain more than two systems because of the limited power capacity of the main feed cable.**

## • TRI-AMPING

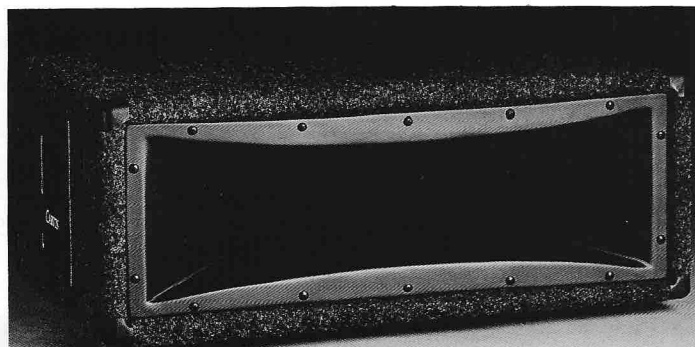
Substantially more clean output can be attained by the use of tri-amping. Two power amp channels and one three-way electronic crossover are required. One amp is used for driving the woofer, one for the midrange driver and one for the tweeter.

## • PRECAUTIONS

This system will give exceptional performance with years of service, providing the operator does not abuse the system. Please be advised of the following caution areas: 1) **DO NOT EXCEED THE POWER HANDLING CAPACITY.** 2) **KEEP THE SPEAKER AWAY FROM DAMAGING AGENTS** - such as water, moisture, dust and intense heat, as damage to the speakers is not covered under warranty.

## • WARRANTY

Your speakers are covered by a ONE year limited warranty. This covers only defects that may have occurred during manufacturing. **IT DOES NOT COVER:** 1) Opened or burned voice coils. 2) Torn cones or frames caused by improper packing or abuse. 3) Damage from rain, moisture, etc.



Matching R560 Radial Horn Enclosure

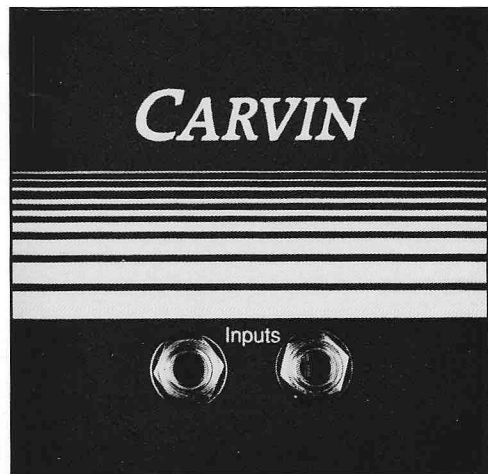


## • RETURN FOR REPAIR

Any defective speakers/drivers should be removed from the enclosure and returned directly to Carvin. If your speaker(s) have been damaged, there will be a reconing fee. We advise placing the speakers on a 1/4" piece of plywood when returning. **DO NOT** stuff paper into the speaker as it will damage the cone. Ship **PREPAID** by UPS. Include your address and description of the problem. Your speaker will be returned COD for the cost of shipping and reconing. Allow 2 to 4 weeks for processing.

## MODEL 1331 HORN LOADED LOW FREQUENCY SYSTEM TECHNICAL SPECIFICATIONS:

Frequency Response:	60Hz to 3kHz ± 3dB
Useable Low Frequency Bandwidth:	47 Hz (-10 dB)
Power Handling:	400Watts Continuous Program Power
Sensitivity:	102 dB SPL, 1Watt @ 1 meter
Coverage Angles:	90° Horizontal, 45° Vertical
Nominal Impedance:	8Ω
Transducer Components:	PS15C
Recommended Crossover Frequency:	2 kHz
Connectors:	Two 1/4" Jacks (parallel)
Woofer Enclosure Type:	Horn Loaded, Vented Box
Enclosure Covering:	OZITE™ (Charcoal Color)
Dimensions:	28" W x 24"D x 32"H
Weight:	130 lbs..



Connector Plate

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