

# *CARVIN*

## 3018 Horn Loaded Low Frequency System

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This folded horn system was designed as the woofer system for our Tri-Amp component speaker system. The system uses our 18" driver in a folded horn enclosure to create a highly efficient low frequency subsystem with 400 watts of power handling capacity. The 3018 can be combined (in singles or in arrays) with the 1210 Midrange Horn System and the R560 Radial Horn to create custom Tri-amped concert sound systems. The 3018 also finds increasingly popular use as a bass guitar speaker system.



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## • COMPONENTS

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The 3018 Bass Enclosure features the **PS18C Woofer**, a powerful 400 watt 18" speaker housed in a folded horn cabinet designed especially to maximize every bass watt. This makes for an exceptional low frequency system, capable of delivering clear, deep bass with great punch.

## • HOOK UP

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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 any damage. The second jack provides a parallel output 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

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

## • PRECAUTIONS

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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

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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.

## • RETURN FOR REPAIR

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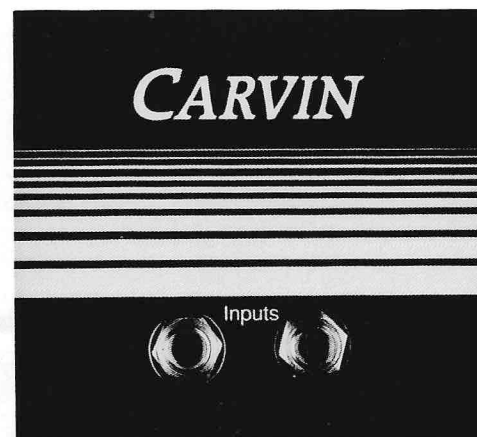
Any defective speakers/drivers should be removed from the enclosure and returned directly to Carvin. If your speaker(s) have been damaged, there will be a reconing fee. We advise placing the speakers on a 1/4" piece of plywood when returning. **DO NOT** stuff paper into the speaker as it will damage 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 3018 HORN LOADED LOW FREQUENCY SYSTEM

### TECHNICAL SPECIFICATIONS:

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Frequency Response:	60Hz to 500Hz $\pm$ 3dB
Useable Low Frequency Bandwidth:	47 Hz (-10 dB)
Power Handling:	400 Watts Continuous Program Power
Sensitivity:	103 dB SPL, 1Watt @ 1 meter
Coverage Angles:	100° Horizontal, 50° Vertical
Nominal Impedance:	8 $\Omega$
Transducer Components:	PS18C
Recommended Crossover Frequency:	150 HZ
Connectors:	Two 1/4" Jacks (parallel)
Woofer Enclosure Type:	Horn Loaded, Closed Box
Enclosure Covering:	OZITE™ (Charcoal Color)
Dimensions:	42" W x 24"D x 24"H
Weight:	145 lbs..



Connector Plate

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