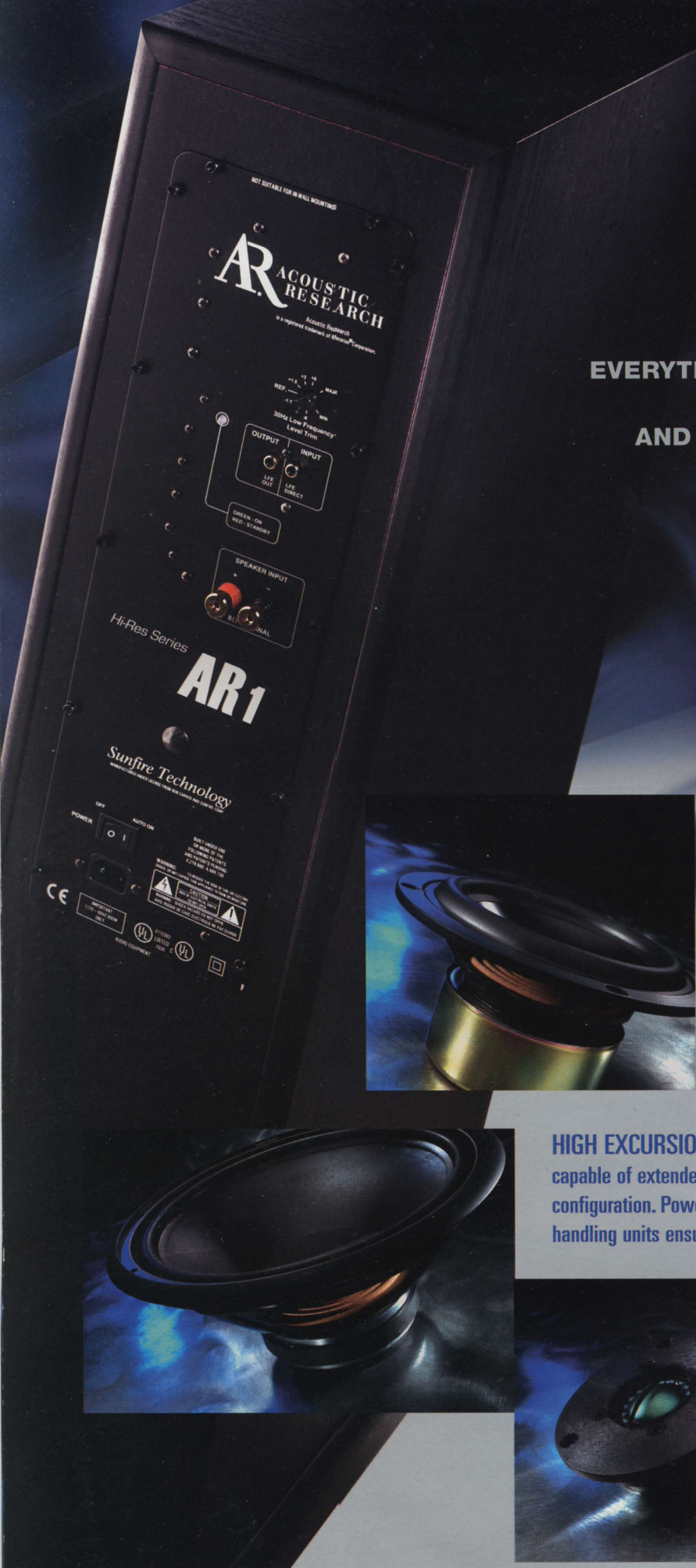


Hi-RES



AR
Acoustic[®]
Research



HI-RES SERIES LOUDSPEAKERS.

EVERYTHING YOU'VE BEEN LOOKING FOR...

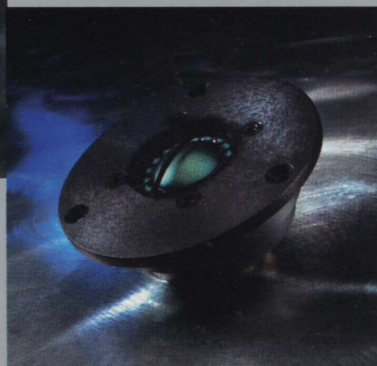
AND LIKE NOTHING YOU'VE EVER SEEN.



MAGALLOY™ MIDRANGE DRIVERS This newly designed component consists of a unique blend of magnesium and aluminum which is light in weight but extremely rigid and responsive. The monocoque, concave cone eliminates the need for a dust dome allowing the cone to act as perfect piston. The result is lower distortion, an extended frequency response and is unrivaled for accuracy in the critical midrange frequencies.



HIGH EXCURSION WOOFERS The low frequency drivers utilized in the Hi-RES series are capable of extended cone excursion to produce life-like bass levels in any type of system configuration. Powered by Bob Carver/Sunfire® high-efficiency amplifiers, these high power handling units ensure accurate low frequency reproduction without sounding "boomy".



TITANIUM DOME TWEETERS Our new 1" plasma-transferred, diamond hardened titanium tweeter is fortified by a diamond structure over the surface of its diaphragm. The result is a strength-to-weight ratio greater than conventional titanium and exponentially greater than typical metal dome tweeters. Light and rigid as only titanium can be, this unique tweeter produces smooth, crystal clear highs without harshness or ringing.

TITANIUM DOME TWEETER

Our new 1" plasma-transferred, diamond hardened titanium tweeter incorporates a diamond structure over the surface of its diaphragm. *The result is a strength-to-weight ratio greater than conventional titanium dome tweeters.* This unique tweeter produces a smooth, crystal clear top end without the harshness or ringing common to standard tweeter designs.

DUAL FOCUSED ARRAY

This innovative design places the tweeter between the midrange drivers. The result is a *seamless, precise soundstage* assuring extremely wide coverage of the listening area with uniform sound quality.

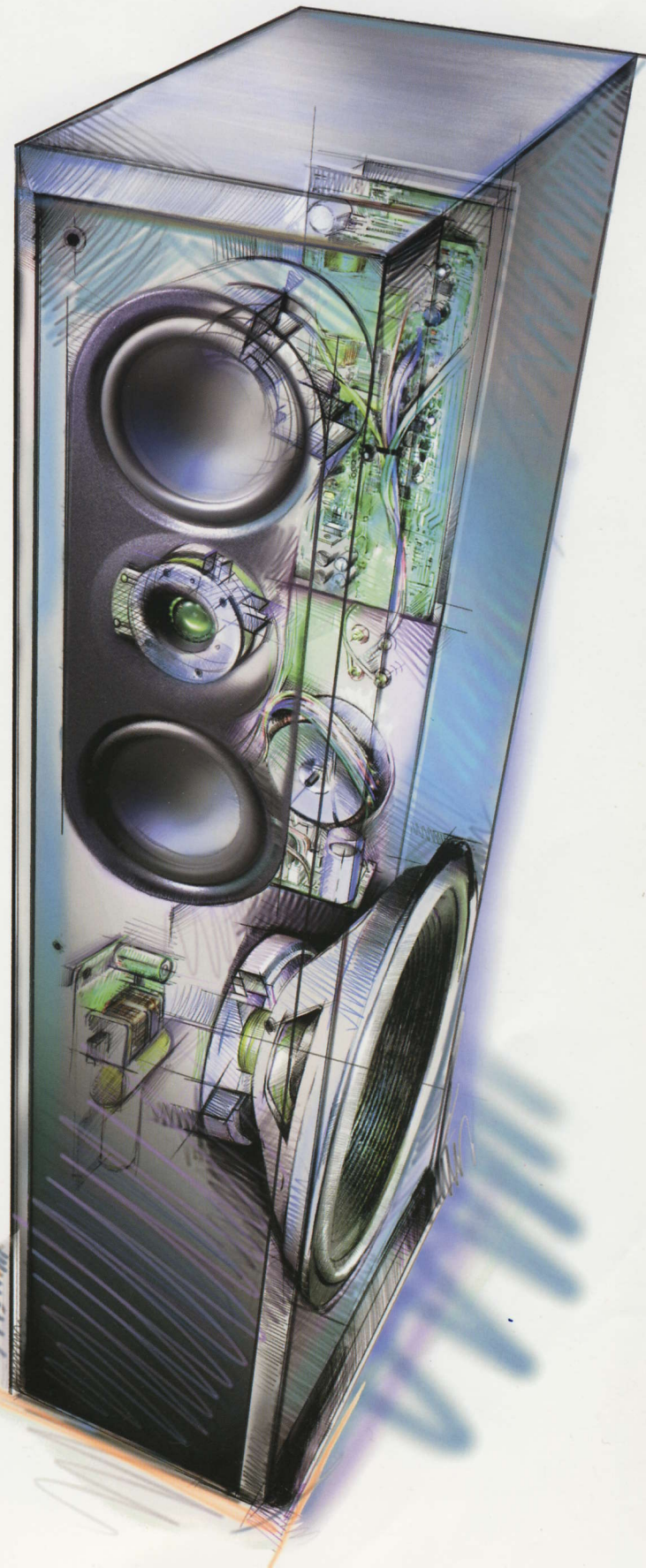
ENERGY CONTOUR CONTROL BAFFLE

AR's proprietary varying-density foam controls the tweeter's radiation pattern and acoustic loading properties. This matches the output of the midrange and high frequency drivers in the crossover region to eliminate distortion all the way out to 23kHz. *Image smearing is eliminated* which results in exceptionally natural and accurate midrange and high frequency reproduction.

BOB CARVER/SUNFIRE™ POWER

All powered models in the Hi-RES line utilize high efficiency Bob Carver/Sunfire® amplifiers. These amplifiers feature Tracking-Down-Converter (TDC) technology for an 85% power conversion efficiency, versus 15-25% efficiency found in conventional amplifiers. *The benefits to this design are high power, excellent sound quality, huge dynamic headroom and low operating temperature.* In addition, these amplifiers contain a built-in Intelligent Parameter Control circuit (IPC) which protects the woofer and enables it to operate at its maximum level of performance.

HIGH OUTPUT DESIGN The Hi-RES series packs a sonic wallop. Thanks to extremely high sensitivity ratings, these loudspeakers are capable of life-like performance levels with a variety of associated electronic components, even low wattage tube amplifiers. As a matter of fact, *Hi-RES loudspeakers are 2-6 dB more efficient which requires 60-200% less amplifier power to reach the same listening level than conventionally designed loudspeakers.* This means that Hi-RES speakers play loud with very little power output from your amplifier. This enables your electronics to run well under their operating limits for low distortion with plenty of reserve power when the source material requires it.



Three-Way tower loudspeaker with a 15" side-firing subwoofer powered by a 500 Watt RMS Bob Carver/Sunfire amplifier. 95dB sensitivity.

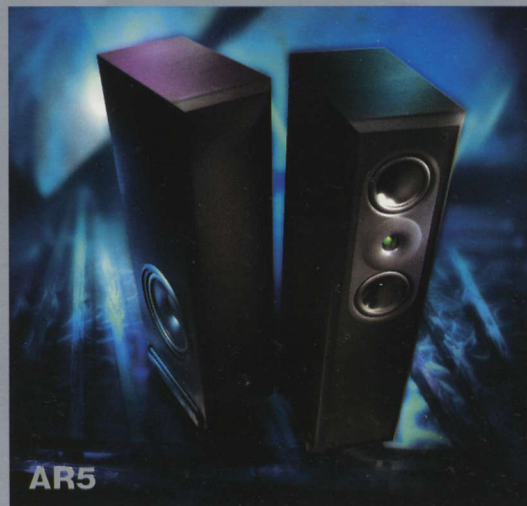


AR1



AR3

Three-Way tower loudspeaker with a 12" side-firing subwoofer powered by a 300 Watt RMS Bob Carver/Sunfire amplifier. 93dB sensitivity.



AR5

Three-Way tower loudspeaker with a 10" side-firing subwoofer powered by a 175 Watt RMS Bob Carver/Sunfire amplifier. 92dB sensitivity.

Leave it to the company that forged the

history of home audio to add a whole new

element to the mix. Introducing Hi-Res

Series loudspeakers from Acoustic

Research—an unprecedented

combination of classic looks, innovative

features, and revolutionary metal alloy

SIMPLY STATED, THE HI-RES SERIES

components. From plasma-transferred

LOUDSPEAKERS ARE THE ULTIMATE IN

diamond hardened titanium dome tweeters,

SOUND REPRODUCTION, COMPETING WITH

and our exclusive MagAlloy™ midranges,

SPEAKERS TWICE THEIR PRICE.

to Bob Carver / Sunfire high efficiency

amplifiers in our powered towers and

subwoofers. The result is solid sonic

precision and unyielding tonal accuracy

in any home theater or stereo

configuration. This is the new standard for

high-output, higher-fidelity performance.

This is Hi-Res.

TOWERS

Precision requires exacting standards. Given the demands of today's digital sources, there is simply no way to accurately reproduce the quality of these recordings without due consideration of the components that must sustain it. The new Hi-RES tower loudspeakers from Acoustic Research were conceived as a defining statement of sound reproduction and



Three-Way tower loudspeaker with a 10" side-firing subwoofer. 92dB sensitivity.

dynamic response. Each internal component has been specially designed and fitted together to faithfully reproduce all of the

POWER AND PRECISION FOR

dynamics of the original audio experience,

THE MODERN ENVIRONMENT. A DEFINING

statement consistently and on demand. And, thanks to

STATEMENT OF HIGH-END TECHNOLOGY

side-firing low frequency drivers, these sleek,

AND CRAFTSMANSHIP. UNEQUALED

elegant towers fit perfectly into any room

CLARITY AND PRESENCE.

décor and complement any

architectural taste.



N

ot your ordinary bookshelf

loudspeaker, AR Hi-RES series

HIGH PERFORMANCE, EXCELLENT DETAIL

bookshelf loudspeakers utilize the identical

AND RESOLUTION WELL SUITED TO THE

components of their big brothers—plasma

REPRODUCTION OF DIGITAL MATERIAL.

transferred, diamond hardened titanium

DESIGNED WITH A SMALLER FOOTPRINT.

tweeters, MagAlloy™ midrange

ATTRACTIVE AND COMPACT.

drivers, and handsome, well crafted

enclosures. As a result of this design

philosophy, Hi-RES series bookshelf

loudspeakers are truly audiophile

performers, capable of extended range

and a level of detail resolution

that totally defy their size and price.

Make no mistake about it, the AR15 and

AR17 represent an excellent choice for the

audiophile who is constrained by space.

*Two-Way bookshelf loudspeaker with an 6 1/2" woofer.
90dB sensitivity.*



AR15

AR17



*Two-Way bookshelf loudspeaker with a 5 1/4" woofer.
91dB sensitivity.*

BOOKSHELF

The new Hi-RES powered subwoofers are a living testimony to the diligent pursuit of life-like low frequency reproduction in the home environment. These high powered units (15" woofer with a 500 watt RMS amplifier in the S500 and a 12" woofer with a 300 watt RMS amplifier in the S300) are capable of thunderous performance in any type of system.

ARS500 15" Powered subwoofer with front mounted controls and a 500 Watt RMS Bob Carver/Sunfire amplifier.

ARS30012" Powered subwoofer with front mounted controls and a 300 Watt RMS Bob Carver/Sunfire amplifier.

PERFORMANCE-DRIVEN ENGINEERING



ARS500 ARS300

SUBS

MEETS REAL-WORLD DEMANDS. LIFE-LIKE

LOW FREQUENCY REPRODUCTION.

POWERFUL, SOLID AND TIGHT.

The S500 and S300 feature down-firing, slot loaded subwoofers configured in a low turbulence, trajectory port tuned cabinet. This enables the subwoofers to perform at extremely high levels of output with very low distortion. Each subwoofer features a front panel Audio/Video contour switch with volume level control. These controls maximize the performance of the subwoofer in any system configuration.

Nothing is more important to a home theater system configuration than a center channel speaker capable of reproducing the dynamics made possible by today's recording techniques. Typically 75% of the dialog is recorded to the center channel track. This necessitates a full range center channel speaker that is natural and accurate. The AR2C and AR4C meet this demand perfectly. The three-way AR2C incorporates a down firing 6 1/2" subwoofer and is capable of a low frequency response down to 45Hz. The AR4C features a molded enclosure and includes an ingenious integrated stand/mounting system for a wide range of placement options. All Hi-RES models share the identical MagAlloy™ midrange drivers and titanium tweeters. This ensures that each Hi-RES center channel is timbre matched to the rest of the Hi-RES line for perfect tonal balance and a seamless soundstage no matter what models are used in a multi-channel system.



AR2C

Three-Way center channel loudspeaker with a 6 1/2" down-firing subwoofer.

**EXTENDED RANGE
COUPLED
WITH DRAMATIC
REALISM. TRULY
ACCURATE VOCAL
REPRODUCTION.**



AR4C

Two-Way center channel loudspeaker.

CENTERS

Hi-RES

SERIES SPECIFICATIONS

AR1 3-Way Tower with 15" 500 Watt Bob Carver/Sunfire® Powered Subwoofer*

Dimensions(HXWXD): 43 1/16" x 10 7/16" x 20 7/8"
Driver complement: Plasma Transferred Diamond Hardened 1" Titanium Dome Tweeter
Dual 5 1/4" MagAlloy Monocoque Mid-Range
High Power Handling, 15" Side-firing Woofer (110 oz magnet)
All Transducers are Magnetically Shielded
Frequency response: 18Hz-23KHz ±2dB
Crossover frequency: 36dB/Oct. Fixed 100Hz and 3.2KHz
Sensitivity: 95dB @ 2.83 Volts/Meter
System impedance: 8 Ohms Nominal
Subwoofer amp. power: 500 Watts RMS
Recommended amp. power: 7 Watts(Vacuum Tube)~300 Watts
Finish: Black ash, cherry woodgrain

AR3 3-Way Tower with 12" 300 Watt Bob Carver/Sunfire® Powered Subwoofer*

Dimensions(HXWXD): 43 1/16" x 10 7/16" x 19 7/8"
Driver complement: Plasma Transferred Diamond Hardened 1" Titanium Dome Tweeter
Dual 5 1/4" MagAlloy Monocoque Mid-Range
High Power Handling 12" Side-firing Woofer (90 oz magnet)
All Transducers are Magnetically Shielded
Frequency response: 20Hz-23KHz ±2dB
Crossover frequency: 36dB/Oct. Fixed 100Hz and 3.2KHz
Sensitivity: 93dB @ 2.83 Volts/Meter
System impedance: 8 Ohms Nominal
Subwoofer amp. power: 300 Watts RMS
Recommended amp. power: 15 Watts(Vacuum Tube)~250 Watts
Finish: Black ash, cherry woodgrain

AR5 3-Way Tower with 10" 175 Watt Bob Carver/Sunfire® Powered Subwoofer*

Dimensions(HXWXD): 37" x 9 7/16" x 17"
Driver complement: Plasma Transferred Diamond Hardened 1" Titanium Dome Tweeter
Dual 5 1/4" MagAlloy Monocoque Mid-Range
High Power Handling 10" Side-firing Woofer (90 oz magnet)
All Transducers are Magnetically Shielded
Frequency response: 23Hz-23KHz ±2dB
Crossover frequency: 36dB/Oct. Fixed 100Hz and 3.2KHz
Sensitivity: 90dB @ 2.83 Volts/Meter
System impedance: 8 Ohms Nominal
Subwoofer amp. power: 175 Watts RMS
Recommended amp. power: 20 Watts~175 Watts
Finish: Black ash, cherry woodgrain

AR9 3-Way Tower *

Dimensions(HXWXD): 37" x 9 7/16" x 17"
Driver complement: Plasma Transferred Diamond Hardened 1" Titanium Dome Tweeter
Dual 5 1/4" MagAlloy Monocoque Mid-Range
10" Side-firing High Excursion Woofer
All Transducers are Magnetically Shielded
Frequency response: 32Hz-23KHz ±2dB
Crossover frequency: 100Hz and 3.2KHz
Sensitivity: 92dB @ 2.83 Volts/Meter
System impedance: 8 Ohms Nominal
Recommended amp. power: 20 Watts~250 Watts
Finish: Black ash, cherry woodgrain

AR15 2-Way Bookshelf

Dimensions(HXWXD): 14 1/16" x 8 1/16" x 8 7/8"
Driver complement: Plasma Transferred Diamond Hardened 1" Titanium Dome Tweeter
6 1/2" MagAlloy Monocoque Woofer
All Transducers are Magnetically Shielded
Frequency response: 36Hz-23KHz ±2dB
Crossover frequency: 3.2KHz
Sensitivity: 90dB @ 2.83 Volts/Meter
System impedance: 8 Ohms Nominal
Recommended amp. power: 20 Watts~175Watts
Finish: Black ash, cherry woodgrain

AR17 2-Way Bookshelf

Dimensions(HXWXD): 13" x 8" x 7 1/2"
Driver complement: Plasma Transferred Diamond Hardened 1" Titanium Dome Tweeter
5 1/4" MagAlloy Monocoque Woofer
All Transducers are Magnetically Shielded
Frequency response: 40Hz-23KHz ±2dB
Crossover frequency: 3.2KHz
Sensitivity: 91dB @ 2.83 Volts/Meter
System impedance: 8 Ohms Nominal
Recommended amp. power: 20 Watts~150 Watts
Finish: Black ash, cherry woodgrain

AR2C 3-Way Center Channel with Slot loaded Down-Firing Woofer

Dimensions(HXWXD): 8 1/8" x 19" x 12"
Driver complement: Plasma Transferred Diamond Hardened 1" Titanium Dome Tweeter
Dual 5 1/4" MagAlloy Monocoque Mid-Range
6 1/2" High Excursion Woofer
All Transducers are Magnetically Shielded
Frequency response: 45Hz-23KHz ±2dB
Crossover frequency: 120Hz and 3.2KHz
Sensitivity: 94dB @ 2.83 Volts/Meter
System impedance: 8 Ohms Nominal
Recommended amp. power: 20 Watts~200 Watts
Finish: Black ash

AR4C 2-Way Center Channel

Dimensions(HXWXD): 8 1/8" x 19" x 7 1/16"
Driver complement: Plasma Transferred Diamond Hardened 1" Titanium Dome Tweeter
Dual 5 1/4" MagAlloy Monocoque Mid-Range
All Transducers are Magnetically Shielded
Frequency response: 70Hz-23KHz ±2dB
Crossover frequency: 3.2KHz
Sensitivity: 93dB @ 2.83 Volts/Meter
System impedance: 8 Ohms Nominal
Recommended amp. power: 20 Watts~150 Watts
Finish: Black

ARS500 Slot Loaded, Trajectory Port Coupled Bob Carver/Sunfire® Powered Subwoofer

Dimensions(HXWXD): 18 1/4" x 17 1/4" x 24"
Driver complement: High power handling 15" Woofer (110oz magnet)
Magnetically Shielded
Frequency response: 18Hz-120Hz±2.5dB
Crossover frequency: 50Hz(24dB/Oct.)~120Hz(36dB/Oct.) Continuously Variable
Amplifier power: 500 Watts RMS
Pre-Amplifier: Low-Level IN, LFE IN/OUT, High-Level IN/OUT, Phase and Gain
Finish: Black ash

ARS300 Slot Loaded, Trajectory Port Coupled Bob Carver/Sunfire® Powered Subwoofer

Dimensions(HXWXD): 16 1/4" x 15" x 21"
Driver Complement: High power handling 12" Woofer (90oz magnet)
Magnetically Shielded
Frequency response: 22Hz-120Hz±2.5dB
Crossover frequency: 50Hz(24dB/Oct.)~120Hz(36dB/Oct.) Continuously Variable
Amplifier power: 300 Watts RMS
Pre-Amplifier: Low-Level IN, LFE IN/OUT, High-Level IN/OUT, Phase and Gain
Finish: Black ash



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