

SB Acoustics was formed to provide an affordable hi-end products to the loudspeaker. This was accomplished by marrying the design talents of Scandinavian Audio Research (Denmark) with the the manufacturing expertise of Sinar Baja Electric (Indonesia). SCAR is company composed of many industry veterans responsible for many well known and revolutionary designs and Sinar Baja Electric is a company with more than 27 years of transducer manufacturing experience.

The SB Acoustics speaker line has been carefully engineered by Ulrik Schmidt of Denmark. Ulrik studied at The Engineering College of Odense (IOT), world renowned for their acoustic department. Ulrik has a BSc EE (specialized in Electro-Acoustics) from IOT. Ulrik worked for Scan-speak as an R&D engineer from 1997 until the spring of 2006. In 2006 Ulrik joined the team headed by Lars Goller (formerly directing engineer at Danish Sound Technology) in a new Danish loudspeaker company called Scandinavian Audio Research.

The current line of loudspeakers includes a 1" textile dome tweeter; 5" and 6.5" midbass driver; 10" and 12" bass driver and 15" bass/subwoofer. The line will be expanded to include more tweeter choices; a 4" midbass driver and an 8" woofer. The 4" through 12" woofer line features coated proprietary paper cones with papyrus reed. The 15" woofer has a special Fiberglass HoneyComb (FHC) cone for added stiffness and lightness. This FHC has a more natural and warmer sound. All woofers use non-inductive fiberglass voice coil formers.

All the drivers in this line have been engineered to offer the end user many application choices. These drivers will work in many different box alignments and many drivers will do equal duty as woofers or midbass drivers. The cones and surrounds on the 5" and 6.5" woofers have been carefully chosen to provide the best possible midrange reproduction without compromising bass definition. The open structure cast frames minimize reflections, yet provide a solid foundation with minimal vibration to the motor structure.

SB25STC-C000-4



This tweeter features a fabric dome with a large roll surround. The face plate has been optimized to provide a extended frequency response with exception off axis response. The tweeter has a chambered back designed to provide a lower resonance frequency and reduce back wave reflections from the dome. Careful engineering has resulted in a tweeter with natural sound reproduction without coloration.



\$28.75

SB15NRX30-8 5"



This 5" woofer features a proprietary composition paper cone with a special coating. The woofer uses a low damping rubber surround for better midrange reproduction. The open structure cast frame has been specially engineered for minimum reflections good air flow. A extended length copper clad pole piece improves inductance symmetry and lessons modulation distortion.



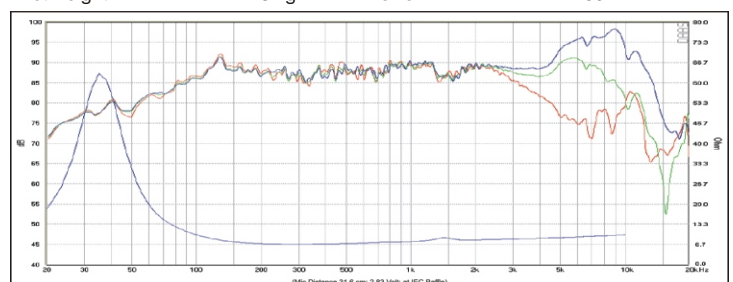
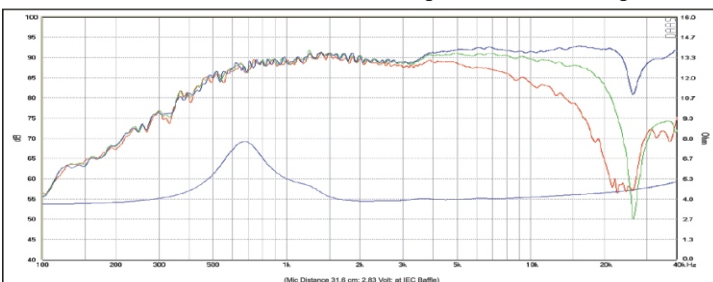
\$53.15

This driver will get down to 55Hz in a 0.3 cubic foot box with a 1.5" diameter port by 6" long. Frame is 150mm in diameter.

Dimensions: 100mm flange diameter; 70mm cut out hole size (notch for terminals); 3mm flange thickness, 34.14mm depth.

Impedance	4 ohm	Free air resonance F _s	680 Hz
DC resistance	3.2 ohm	Sensitivity 2.83V/1M	91 dB
V.C. inductance	0.04 mH	Q _{ms}	2.00
Effective cone area	6.2 cm ²	Q _{es}	1.40
V.C. diameter	25.4 mm	Q _{ts}	0.80
VC height	1.3	Force factor BL Product	1.7 Tm
Air gap	2.5	Power	120 W
Linear excursion	±1.2 mm	Magnet flux density	1.25 T
Moving mass incl. air	0.3 g	Magnet weight	0.22 kg
		Net weight	0.5 kg

Impedance	8 ohm	Free air resonance F _s	38 Hz
DC resistance	5.7 ohm	Sensitivity 2.83V/1M	88 dB
V.C. inductance	0.14 mH	Q _{ms}	4.80
Effective cone area	82 cm ²	Q _{es}	0.35
V.C. diameter	30.5 mm	Q _{ts}	0.33
VC height	15	Moving mass incl. air	8.1 g
Air gap	5	Force factor BL Product	5.6 Tm
Linear excursion	±5 mm	Vas	20.7 ltrs
Magnet flux density	1.0 T	Compliance, C _{ms}	2.17 mm/N
Magnet weight	0.54 kg	Mechanical loss, R _m	0.4 kg/s
Net weight	1.48 kg	Power	50 W



SB17NRX35-8 6.5"

ACOUSTICS

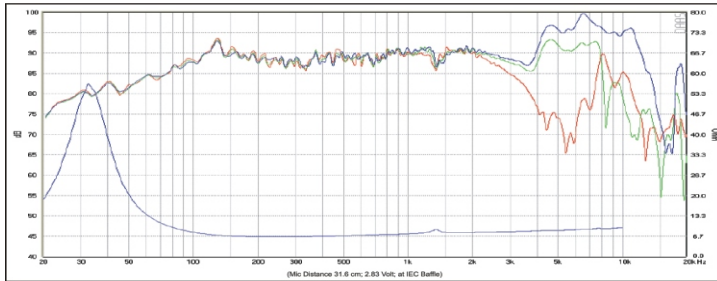
This 6.5" woofer features a proprietary composition paper cone with a special coating. The woofer uses a low damping rubber surround for better midrange reproduction. The open structure cast frame has been specially engineered for minimum reflections good air flow. An extended length copper clad pole piece improves inductance symmetry and lessens modulation distortion.



\$61.25

This driver will get down to 50Hz in a 0.6 cubic foot box with a 2" diameter port by 7" long. Frame is 171mm in diameter.

Impedance	8 ohm	Free air resonance Fs	32 Hz
DC resistance	5.7 ohm	Sensitivity 2.83V/1M	89 dB
V.C. inductance	0.15 mH	Qms	5.00
Effective cone area	118 cm ²	Qes	0.36
V.C. diameter	35.5 mm	Qts	0.34
VC height	16	Moving mass incl. air	11.0 g
Air gap	5	Force factor BL Product	5.9 Tm
Linear excursion	±5.5 mm	Vas	44.5 ltrs
Magnet flux density	1.0 T	Compliance, Cms	2.25 mm/N
Magnet weight	0.54 kg	Mechanical loss, Rm	0.44 kg/s
Net weight	1.56 kg	Power	60 W



SB29NRX75-6 10"

ACOUSTICS

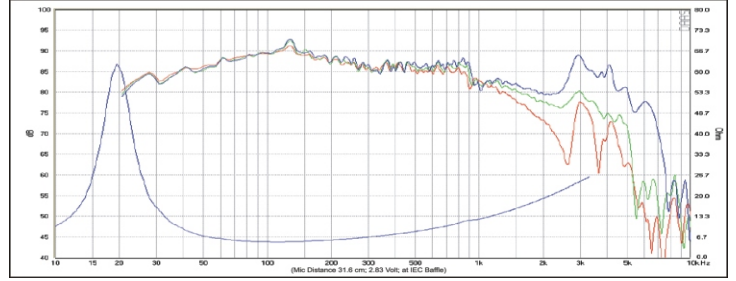
This 10" woofer features a proprietary composition paper cone with a special coating. The rubber surround has been carefully chosen to properly dampen the cone movement. The open structure cast frame has been specially engineered for minimum reflections good air flow. This woofer is a good choice for any high end 3-way speaker system.



\$151.15

This driver will get down to 27Hz in a 2.0 cubic foot box with a 3" diameter port by 12" long. Frame is 290mm in diameter.

Impedance	6 ohm	Free air resonance Fs	21 Hz
DC resistance	4.2 ohm	Sensitivity 2.83V/1M	88 dB
V.C. inductance	1.8 mH	Qms	5.70
Effective cone area	312 cm ²	Qes	0.38
V.C. diameter	75.6 mm	Qts	0.35
VC height	28	Moving mass incl. air	78.0 g
Air gap	6	Force factor BL Product	10.7 Tm
Linear excursion	±11 mm	Vas	102 ltrs
Magnet flux density	0.9 T	Compliance, Cms	0.74 mm/N
Magnet weight	2.1 kg	Mechanical loss, Rm	1.8 kg/s
Net weight	5.3 kg	Power	200 W



SB34NRX75-6 12"

ACOUSTICS

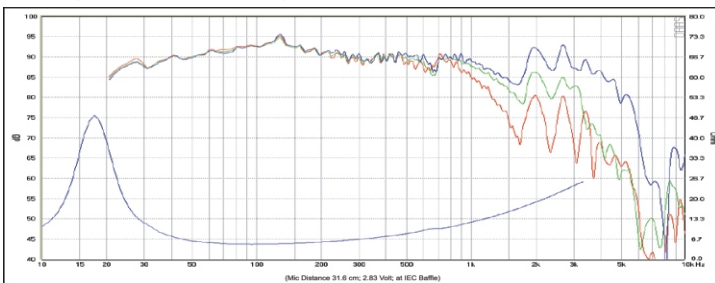
This 12" woofer features a proprietary composition paper cone with a special coating. The rubber surround has been carefully chosen to properly dampen the cone movement. The open structure cast frame has been specially engineered for minimum reflections good air flow. This woofer is a good choice for any high end 3-way speaker system or subwoofer.



\$178.65

This driver will get down to 37Hz in a 2.8 cf sealed box or 28Hz in 3.5 cf with a 3" diameter port by 8" long.

Impedance	6 ohm	Free air resonance Fs	19 Hz
DC resistance	4.2 ohm	Sensitivity 2.83V/1M	90 dB
V.C. inductance	1.8 mH	Qms	5.10
Effective cone area	508 cm ²	Qes	0.43
V.C. diameter	75.6 mm	Qts	0.40
VC height	28	Moving mass incl. air	99.0 g
Air gap	6	Force factor BL Product	10.7 Tm
Linear excursion	±11 mm	Vas	260 ltrs
Magnet flux density	0.9 T	Compliance, Cms	0.71 mm/N
Magnet weight	2.1 kg	Mechanical loss, Rm	2.3 kg/s
Net weight	5.85 kg	Power	200 W



SB42FHC75-6 15"

ACOUSTICS

This 15" woofer features a Fiberglass Honeycomb cone. The rubber surround has been carefully chosen to properly dampen the cone movement. The open structure cast frame has been specially engineered for minimum reflections good air flow. This woofer is a good choice for any high end 3-way speaker system or subwoofer.



\$424.15

This driver will get down to 32Hz in a 4.5 cubic foot box with a 4" diameter port by 8" long, 50% poly filling.

Impedance	6 ohm	Free air resonance Fs	22 Hz
DC resistance	4.6 ohm	Sensitivity 2.83V/1M	93.5 dB
V.C. inductance	- mH	Qms	7.00
Effective cone area	844 cm ²	Qes	0.40
V.C. diameter	75.6 mm	Qts	0.38
VC height	31	Moving mass incl. air	165 g
Air gap	8	Force factor BL Product	16 Tm
Linear excursion	±11.5 mm	Vas	320 ltrs
Magnet flux density	1.02 T	Compliance, Cms	0.32 mm/N
Magnet weight	3.5 kg	Mechanical loss, Rm	3.1 kg/s
Net weight	10.2 kg	Power	300 W

