

ACOUSTICS

SB Acoustics was formed to bring an alternative to the hi-end transducer market. Marrying the design talents of Danesian Audio® (Denmark), a company filled with industry veterans, responsible for many well known and revolutionary designs, and manufacturing partner Sinar Baja Electric (Indonesia), a vertically integrated 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.

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. www.sbacoustics.com

SB29RDCN-C000-4

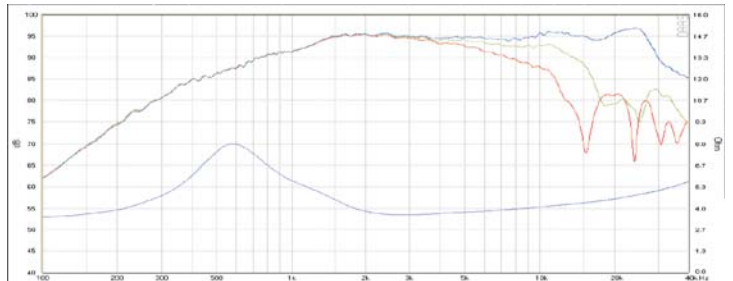
ACOUSTICS



\$47.15

This tweeter features a proprietary fabric **ring dome** with a large roll surround. Stabilizing the center of the dome greatly reduces distortion and brings the acoustic center of the tweeter back to the voice coil, with the added benefit of increased sensitivity. The tweeter has a chambered back designed to provide a lower resonance frequency and reduce back wave reflections from the dome. A copper cap is used on the pole piece. **Neodymium magnet.** Dimensions: **72mm flange diameter**; 65mm cut out hole size; 3mm flange thickness, 27.7mm depth.

Impedance	4 ohm	Free air resonance Fs	580 Hz
DC resistance	3.0 ohm	Sensitivity 2.83V/1M	94 dB
V.C. inductance	0.05 mH	Qms	0.9
Effective cone area	9.6 cm ²	Qes	0.54
V.C. diameter	29 mm	Qts	0.34
VC height	2.0	Force factor BL Product	- Tm
Air gap	2.5	Power	100 W
Linear excursion	±0.5 mm	Magnet flux density	1.2 T
Moving mass incl. air	0.45 g	Magnet weight	31 g
		Net weight	0.17 kg



SB26STAC-C000-4

ACOUSTICS

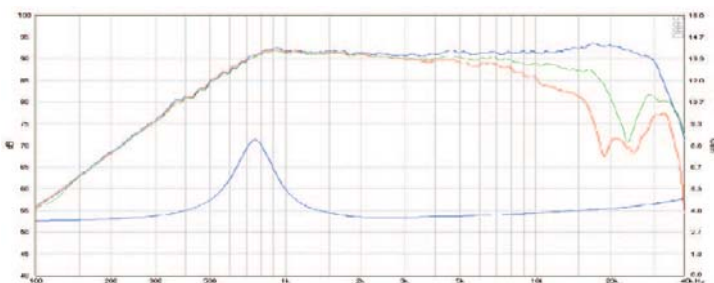


\$47.45

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

Dimensions: 100mm flange diameter; 70mm cut out hole size (notch for terminals); 4mm flange thickness, 34.14mm depth.

Impedance	4 ohm	Free air resonance Fs	750 Hz
DC resistance	3.2 ohm	Sensitivity 2.83V/1M	91 dB
V.C. inductance	0.04 mH	Qms	2.5
Effective cone area	6.2 cm ²	Qes	1.7
V.C. diameter	25.4 mm	Qts	1.0
VC height	1.3	Force factor BL Product	1.6 Tm
Air gap	2.5	Power	120 W
Linear excursion	±1.2 mm	Magnet flux density	1.15 T
Moving mass incl. air	0.3 g	Magnet weight	0.22 kg
		Net weight	0.53 kg



SB25AC-C000-4

ACOUSTICS

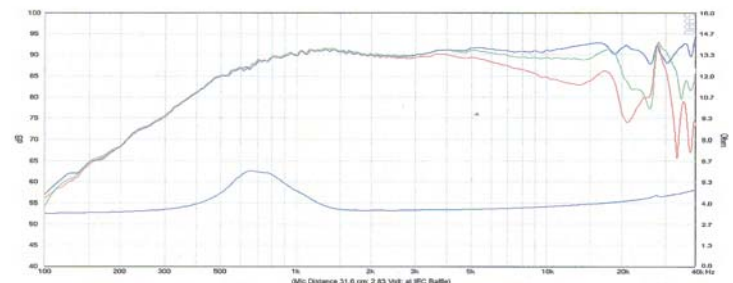


\$49.60

This tweeter features an aluminum dome with a large roll surround. The face plate has been optimized to provide an extended frequency response with exceptional off axis response. The tweeter has a chambered back designed to provide a lower resonance frequency and reduce back wave reflections from the dome. Copper cap on pole piece. The diffuser provides linear frequency response and protects the dome.

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

Impedance	4 ohm	Free air resonance Fs	700 Hz
DC resistance	3.2 ohm	Sensitivity 2.83V/1M	91 dB
V.C. inductance	0.05 mH	Qms	1.2
Effective cone area	6.2 cm ²	Qes	1.4
V.C. diameter	25.4 mm	Qts	0.8
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



SB29RDC-C000-4

ACOUSTICS

This tweeter features a proprietary fabric ring dome with a large roll surround. Stabilizing the center of the dome greatly reduces distortion and brings the acoustic center of the tweeter back to the voice coil, with the added benefit of increased sensitivity.

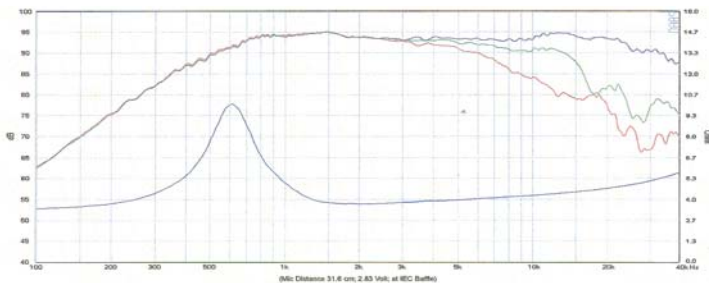


\$49.90

The tweeter has a chambered back designed to provide a lower resonance frequency and reduce back wave reflections from the dome. A copper cap is used on the pole piece. Large surface area.

Dimensions: 104mm flange diameter; 70mm cut out hole size (notch for terminals); 3.3mm flange thickness, 37.4mm depth.

Impedance	4 ohm	Free air resonance Fs	600 Hz
DC resistance	3.0 ohm	Sensitivity 2.83V/1M	93 dB
V.C. inductance	0.05 mH	Qms	2.2
Effective cone area	9.6 cm ²	Qes	0.9
V.C. diameter	29 mm	Qts	0.65
VC height	2.0	Force factor BL Product	- Tm
Air gap	2.5	Power	100 W
Linear excursion	±0.5 mm	Magnet flux density	1.1 T
Moving mass incl. air	0.45 g	Magnet weight	0.22 kg
		Net weight	0.5 kg



SB12NRXF25-4 4"

ACOUSTICS

This 4" midrange features a proprietary composition paper cone. The woofer uses a low damping light weight foam surround for higher efficiency and better midrange reproduction. Extended frequency to 5kHz.

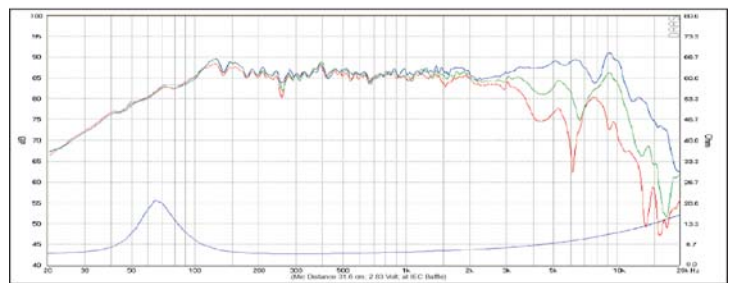


\$45.55

The open structure cast frame has been specially engineered for minimum reflections good air flow. The voice coil former is non-inductive.

Will get down to 105Hz in a 0.1 cubic foot (3 liter) sealed box with 100% filling. Frame 123mm, Cutout 95mm, Depth 61mm

Impedance	4 ohm	Free air resonance Fs	61 Hz
DC resistance	3.1 ohm	Sensitivity 2.83V/1M	87 dB
V.C. inductance	0.27 mH	Qms	5.3
Effective cone area	50 cm ²	Qes	0.53
V.C. diameter	25.4 mm	Qts	0.48
VC height	15	Moving mass incl. air	5.8 g
Air gap	5	Force factor BL Product	3.6 Tm
Linear excursion	±5 mm	Vas	4.1 ltrs
Magnet flux density	0.84 T	Compliance, Cms	1.17 mm/N
Magnet weight	0.32 kg	Mechanical loss, Rm	0.42 kg/s
Net weight	0.75 kg	Power	30 W



SB15NRXC30-4 5"

ACOUSTICS

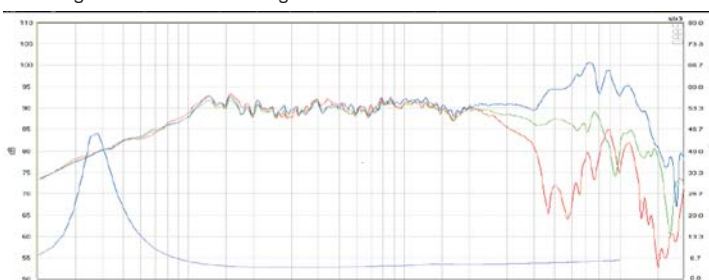
This 5" woofer features a proprietary composition paper cone with a special coating. The woofer uses a low damping rubber surround for better midrange reproduction. The open structure cast frame has been specially engineered for minimum reflections good air flow. A extended length copper clad pole piece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



\$52.35

Will get down to 60Hz in a 0.25 cubic foot box with a 1.5" diameter port by 5" long. Frame 150mm, cutout 123mm, D 69mm

Impedance	4 ohm	Free air resonance Fs	41 Hz
DC resistance	3.1 ohm	Sensitivity 2.83V/1M	91 dB
V.C. inductance	0.12 mH	Qms	5.3
Effective cone area	82 cm ²	Qes	0.31
V.C. diameter	30.5 mm	Qts	0.29
VC height	15	Moving mass incl. air	8.6 g
Air gap	5	Force factor BL Product	4.7 Tm
Linear excursion	±5 mm	Vas	16.7 ltrs
Magnet flux density	1.0 T	Compliance, Cms	1.75 mm/N
Magnet weight	0.54 kg	Mechanical loss, Rm	0.42 kg/s
Net weight	1.48 kg	Power	50 W



SB15NRXC30-8 5"

ACOUSTICS

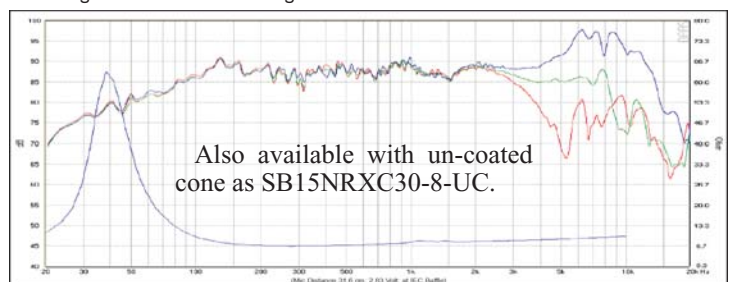
This 5" woofer features a proprietary composition paper cone with a special coating. The woofer uses a low damping rubber surround for better midrange reproduction. The open structure cast frame has been specially engineered for minimum reflections good air flow. A extended length copper clad pole piece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



\$52.35

Will get down to 55Hz in a 0.3 cubic foot box with a 1.5" diameter port by 6" long. Frame 150mm, cutout 123mm, D 69mm

Impedance	8 ohm	Free air resonance Fs	38 Hz
DC resistance	5.7 ohm	Sensitivity 2.83V/1M	88 dB
V.C. inductance	0.14 mH	Qms	4.80
Effective cone area	82 cm ²	Qes	0.35
V.C. diameter	30.5 mm	Qts	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, Cms	2.17 mm/N
Magnet weight	0.54 kg	Mechanical loss, Rm	0.4 kg/s
Net weight	1.48 kg	Power	50 W



SB17NRXC35-4 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. A extended length copper clad pole piece improves inductance symmetry and lessons modulation distortion.



\$61.25

Will get down to 55Hz in a 0.5 cubic foot box with a 2" diameter port by 6" long. Frame 171mm, Cutout 144mm, Depth 75mm.

Impedance	4 ohm	Free air resonance Fs	35 Hz
DC resistance	3.1 ohm	Sensitivity 2.83V/1M	92 dB
V.C. inductance	0.13 mH	Qms	5.5
Effective cone area	118 cm ²	Qes	0.33
V.C. diameter	35.5 mm	Qts	0.32
VC height	16	Moving mass incl. air	11.6 g
Air gap	5	Force factor BL Product	4.8 Tm
Linear excursion	±5.5 mm	Vas	35.2 ltrs
Magnet flux density	1.0 T	Compliance, Cms	1.78 mm/N
Magnet weight	0.54 kg	Mechanical loss, Rm	0.46 kg/s
Net weight	1.56 kg	Power	60 W

SB17NRXC35-8 6.5"

ACOUSTICS

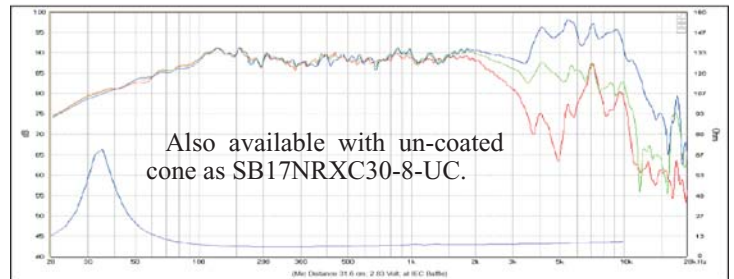
This 6.5" woofer features a proprietary composition paper cone with a special coating. The woofer uses a low damping rubber surround for better midrange reproduction. The open structure cast frame has been specially engineered for minimum reflections good air flow. A extended length copper clad pole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



\$61.25

Will get down to 50Hz in a 0.6 cubic foot box with a 2" diameter port by 7" long. Frame 171mm, Cutout 144mm, Depth 75mm.

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



SB23NRXS45-8 8"

ACOUSTICS

This 8" 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 shorting ring is used in the motor system.



1.75" VC

\$81.65

This driver will get down to 45Hz in a 1.0 cubic foot box with a 2" diameter port by 7" long. Frame is 234mm in diameter. Cutout diameter is 198mm and depth is 81mm.

Impedance	8 ohm	Free air resonance Fs	28 Hz
DC resistance	5.6 ohm	Sensitivity 2.83V/1M	89 dB
V.C. inductance	0.22 mH	Qms	6.20
Effective cone area	216 cm ²	Qes	0.43
V.C. diameter	45.5 mm	Qts	0.40
VC height	19	Moving mass incl. air	24.6 g
Air gap	6	Force factor BL Product	7.5 Tm
Linear excursion	±6.5 mm	Vas	88 ltrs
Magnet flux density	0.89 T	Compliance, Cms	1.32 mm/N
Magnet weight	0.8 kg	Mechanical loss, Rm	0.7 kg/s
Net weight	2.74 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.

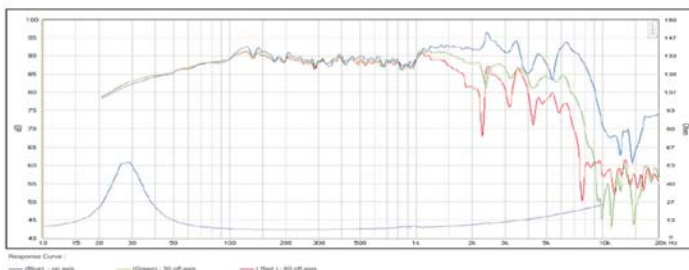
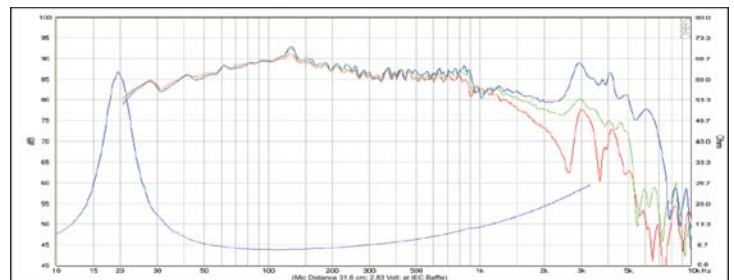


3" VC

\$147.50

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. Cutout diameter is 247mm and depth is 119mm.

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.

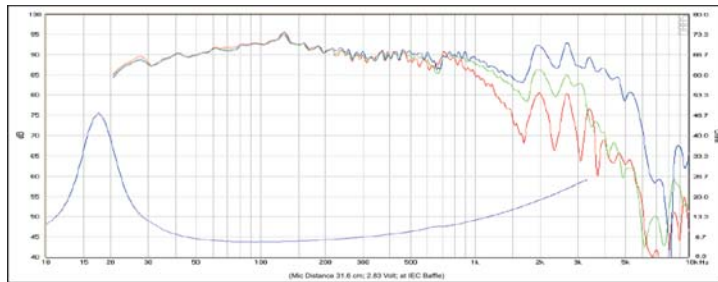


3" VC

\$171.05

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. The frame diameter is 346.2mm, cutout is 303mm and depth is 142mm.

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.

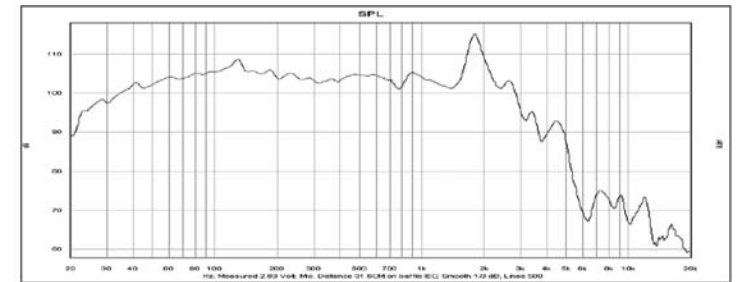


3" VC

\$420.95

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. The frame diameter is 417mm, cutout diameter is 371mm and depth is 170.3mm.

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



SW26DAC76-4 10"

ACOUSTICS

This versatile shallow profile 10" subwoofer provides fantastic bass in many different applications. The 2.8" depth allows this driver to be used in-wall, as a side firing sub in a narrow cabinet, in any application requiring a shallow sub or just in a conventional subwoofer enclosure.

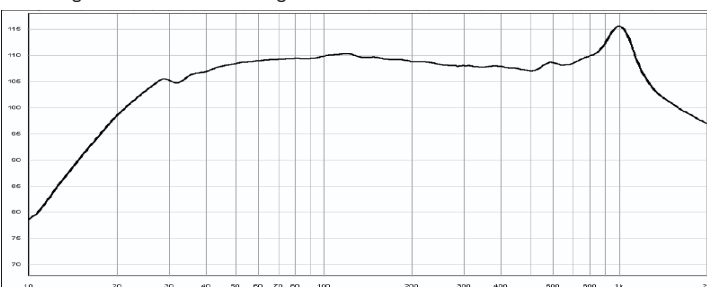


3" VC

\$198.50

Some feature are the dual cone design, neodymium magnet system, rigid cast frame and large 3" voice coil with 12mm x-max peak. 290mm frame, 244mm cut out, 71.5mm depth. Try in 1.2 cubic foot sealed box.

Impedance	4 ohm	Free air resonance Fs	24 Hz
DC resistance	3.2 ohm	Sensitivity 2.83V/1M	86 dB
V.C. inductance	- mH	Qms	9.47
Effective cone area	312 cm ²	Qes	0.56
V.C. diameter	75.5 mm	Qts	0.52
VC height	30	Moving mass incl. air	133.08 g
Air gap	6	Force factor BL Product	10.63 Tm
Linear excursion	±12 mm	Vas	44.19 ltrs
Magnet flux density	1.0 T	Compliance, Cms	0.33 mm/N
Magnet weight	281 g	Mechanical loss, Rm	2.31 kg/s
Net weight	3.43 kg	Power	200 W



SW26DAC76-8 10"

ACOUSTICS

This versatile shallow profile 10" subwoofer provides fantastic bass in many different applications. The 2.8" depth allows this driver to be used in-wall, as a side firing sub in a narrow cabinet, in any application requiring a shallow sub or just in a conventional subwoofer enclosure.



3" VC

\$198.50

Some feature are the dual cone design, neodymium magnet system, rigid cast frame and large 3" voice coil with 12mm x-max peak. 290mm frame, 244mm cut out, 71.5mm depth. Try in 1/2 cubic foot sealed box.

Impedance	8 ohm	Free air resonance Fs	20 Hz
DC resistance	6.4 ohm	Sensitivity 2.83V/1M	84 dB
V.C. inductance	- mH	Qms	9.47
Effective cone area	312 cm ²	Qes	0.28
V.C. diameter	75.5 mm	Qts	0.27
VC height	30	Moving mass incl. air	178 g
Air gap	6	Force factor BL Product	22.24 Tm
Linear excursion	±12 mm	Vas	45.84 ltrs
Magnet flux density	1.0 T	Compliance, Cms	0.34 mm/N
Magnet weight	281 g	Mechanical loss, Rm	3.02 kg/s
Net weight	3.43 kg	Power	250 W

