SCANSPEAK

PRODUCTS

2016

OUR PHILOSOPHY
IS SIMPLE:
THE EMITTED SOUND
MUST BE DYNAMIC,
GIVING A TRANSIENT
RESPONSE AND
PROVIDING
TONAL BALANCE.

ILLUMINATOR

Design know-how reaches new levels of sound performance in Illuminator products. Powerful neodymium motors with under-hung voice coil configuration serve as uniting design elements providing large linear excursion capability. What's more, an extensive use of SD (Symmetric Drive) copper caps ensures the lowest possible distortion throughout the excursion range of the speaker.

The Illuminator tweeters are built on the heritage of the renowned Revelator D29 and R29. The compact size is one of the key elements of the Illuminator tweeter design which is achieved without compromising sound quality.

The compact design also provides a high degree of flexibility within design options for our customers. The sound quality of these tweeters is fully comparable to the renowned Revelator designs, no matter if the music is played at high or low listening levels.

The Illuminator midrange and woofers are based on compact under-hung motor systems with large neodymium ring magnets. The patented motor design offers a very long linear excursion along with a very high force factor. The top plate is shaped to guide the backside airflow around the motor. Finally, the open cast aluminium chassis design of the driver is virtually free from compression.

During the design phase, extreme care and attention has been put into providing midrange clarity beyond anything previously available on the market. It takes place independent of power input even at very high excursions.

The cone is designed for maximum stiffness and damping. The midwoofers also feature a constrained layer paper cone design. The stiff, robust cone handles high power with ease. This assures that details transferred through the motor system are converted into undistorted sound. Transparency, details and precision at any input power are key words when describing the sound quality of the Illuminator designs.

Regarding the midrange units, a focus on maximum transparency, details, and precision gave birth to a new one-piece paper cone design with integrated dust cap and a coated foam surround. Careful design of the cone, its shape, and attachment to the voice coil means that this transducer provides the best midrange sound quality available on the market.

ILLUMINATOR OVERVIEW

Tweeters	Size [Inch.]	fs [Hz]	Re [Ω]	Qms	Qes	Qts	Sens. [dB]	VAS [l]	Bl [Tm]	Mms [g]	Xmax ± [mm]	VC dia. [mm]
D2004/602000	0.75	600	2.8	4.42	1.42	1.07	88.4	0.01	1.3	0.22	0.4	19
D3004/602000	1	700	3	4.15	1.60	1.15	89.2	0.01	1.7	0.35	0.2	26
D3004/602010	1	425	3	2.50	0.97	0.70	89.6	0.03	1.7	0.35	0.2	26
D3004/604000	1	750	2.85	4.02	2.18	1.41	90.9	0.01	1.20	0.24	0.2	26
D3004/604010	1	450	3	2.50	0.97	0.70	90.2	0.03	1.7	0.35	0.2	26
D3004/660000	1	470	3	3.00	0.59	0.49	91.5	0.02	2.3	0.35	0.2	26
D3004/662000	1	500	3	3.79	0.62	0.54	91.5	0.02	2.3	0.35	0.2	26
D3004/664000	1	500	3	3.79	0.62	0.54	91.5	0.02	2.3	0.35	0.2	26
R2004/602000	0.75	675	2.8	3.01	1.51	1.01	86	0.01	1.3	0.22	0.4	19
R3004/602000	1	625	3	5.73	1.43	1.14	87.4	0.01	1.7	0.35	0.2	26
R3004/602010	1	420	3	2.57	1.03	0.74	87.4	0.02	1.7	0.35	0.2	26
R3004/662000	1	520	3	3.27	0.56	0.48	90.4	0.01	2.3	0.3	0.2	26

Midranges/Fullranges	Size [Inch.]	fs [Hz]	Re [Ω]	Qms	Qes	Qts	Sens. [dB]	VAS [l]	Bl [Tm]	Mms [g]	Xmax ± [mm]	VC dia. [mm]
12MU/4731T00	4	64	3.1	3.64	0.26	0.24	90	5.4	5.1	5.4	3.5	32
12MU/8731T00	4	66	5.9	3.63	0.31	0.29	87.2	5.8	6.1	4.7	3.4	32

Midwoofers	Size [Inch.]	fs [Hz]	Re [Ω]	Qms	Qes	Qts	Sens. [dB]	VAS [l]	Bl [Tm]	Mms [g]	Xmax ± [mm]	VC dia. [mm]
15WU/4741T00	5.5	34	3.2	3.47	0.25	0.23	85.9	20.0	6	13	9	42
15WU/8741T00	5.5	35	5.9	3.37	0.28	0.26	83.4	19.9	7.5	12.3	9	42
18WU/4741T00	6.5	30	3.2	3.56	0.32	0.29	87.2	49.4	6	18.9	9	42
18WU/8741T00	6.5	31	5.9	3.51	0.37	0.33	85.4	48.6	7.5	18	9	42

Woofers	Size [Inch.]	fs [Hz]	Re [Ω]	Qms	Qes	Qts	Sens. [dB]	VAS [l]	Bl [Tm]	Mms [g]	Xmax ± [mm]	VC dia. [mm]
18WU/4747T00	6.5	32	3.2	3.42	0.30	0.28	88.1	48.3	6	17	9	42
18WU/8747T00	6.5	33	5.9	3.31	0.35	0.32	85.5	48.3	7.5	16	9	42

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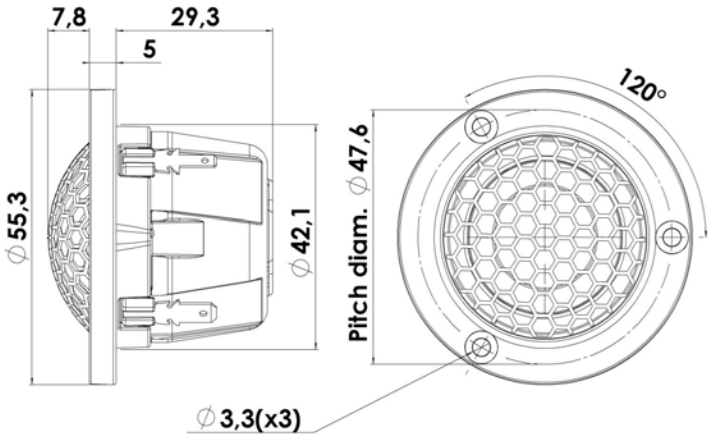
ILLUMINATOR

TWEETER D2004/602000

The compact size is one of the key elements of these Illuminator tweeters, which provides a high degree of flexibility within design options. The small size is employed without compromising sound quality where these compact tweeters are fully comparable to the renowned full size Illuminator and Revelator tweeters, no matter if the music is played at high or low listening levels.



KEY FEATURES:

- 3/4" Textile Dome Diaphragm
- Patented Symmetrical Drive (SD-2) motor
- Non Resonant Alu Rear Chamber
- Large Roll Surround f. Wide Dispersion
- Sound Transparant Protective Grill
- Die Cast Housing & Face Plate

T-S Parameters	
Resonance frequency [fs]	600 Hz
Mechanical Q factor [Qms]	4.42
Electrical Q factor [Qes]	1.42
Total Q factor [Qts]	1.07
Force factor [Bl]	1.3 Tm
Mechanical resistance [Rms]	0.2 kg/s
Moving mass [Mms]	0.22 g
Compliance [Cms]	0.32 mm/N
Effective diaph. diameter [D]	24 mm
Effective piston area [Sd]	4.5 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	88.4 dB
Ratio Bl/√Re	0.78 N/√W
Ratio fs/Qts	558 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.4 Ω
Maximum impedance [Zo]	11.5 Ω
DC resistance [Re]	2.8 Ω
Voice coil inductance [Le]	0.02 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	50 W
Long-term max power (IEC 17.3)*	120 W

*Filter: 2. order HP Butterworth, 3 kHz

Voice Coil & Magnet Data	
Voice coil diameter	19 mm
Voice coil height	1.8 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.4 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.15 kg

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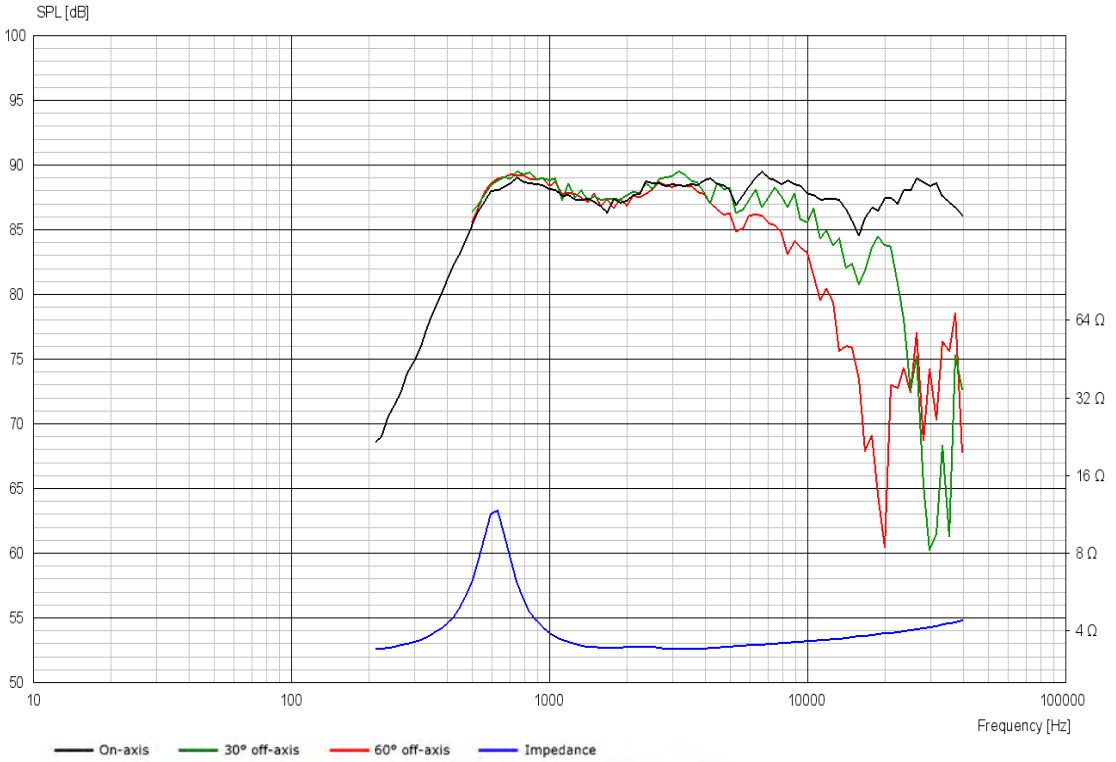
TWEETER D2004/602000



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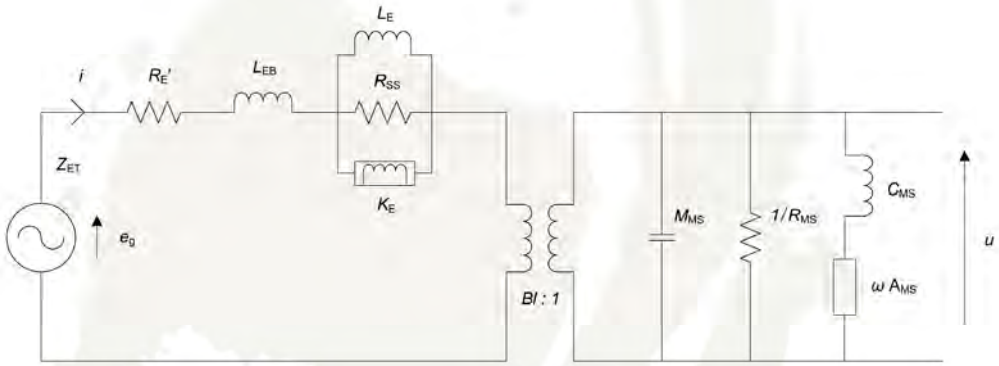

Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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TWEETER D3004/602000

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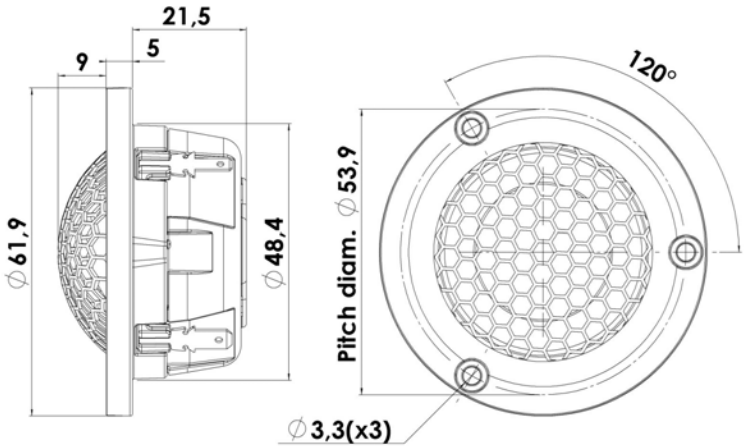

KEY FEATURES:

- 1" Textile Dome Diamphragm
- Patented Symmetrical Drive (SD-2) motor
- Non Resonant Alu Rear Chamber
- Large Roll Surround f. Wide Dispersion
- Sound Transparant Protective Grill
- Die Cast Housing & Face Plate

T-S Parameters	
Resonance frequency [fs]	700 Hz
Mechanical Q factor [Qms]	4.15
Electrical Q factor [Qes]	1.60
Total Q factor [Qts]	1.15
Force factor [Bl]	1.7 Tm
Mechanical resistance [Rms]	0.4 kg/s
Moving mass [Mms]	0.35 g
Compliance [Cms]	0.15 mm/N
Effective diaph. diameter [D]	30 mm
Effective piston area [Sd]	7 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	89.2 dB
Ratio Bl/√Re	0.98 N/√W
Ratio fs/Qts	606 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.5 Ω
Maximum impedance [Zo]	10.8 Ω
DC resistance [Re]	3 Ω
Voice coil inductance [Le]	0.02 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	50 W
Long-term max power (IEC 17.3)*	130 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	2.1 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.15 kg

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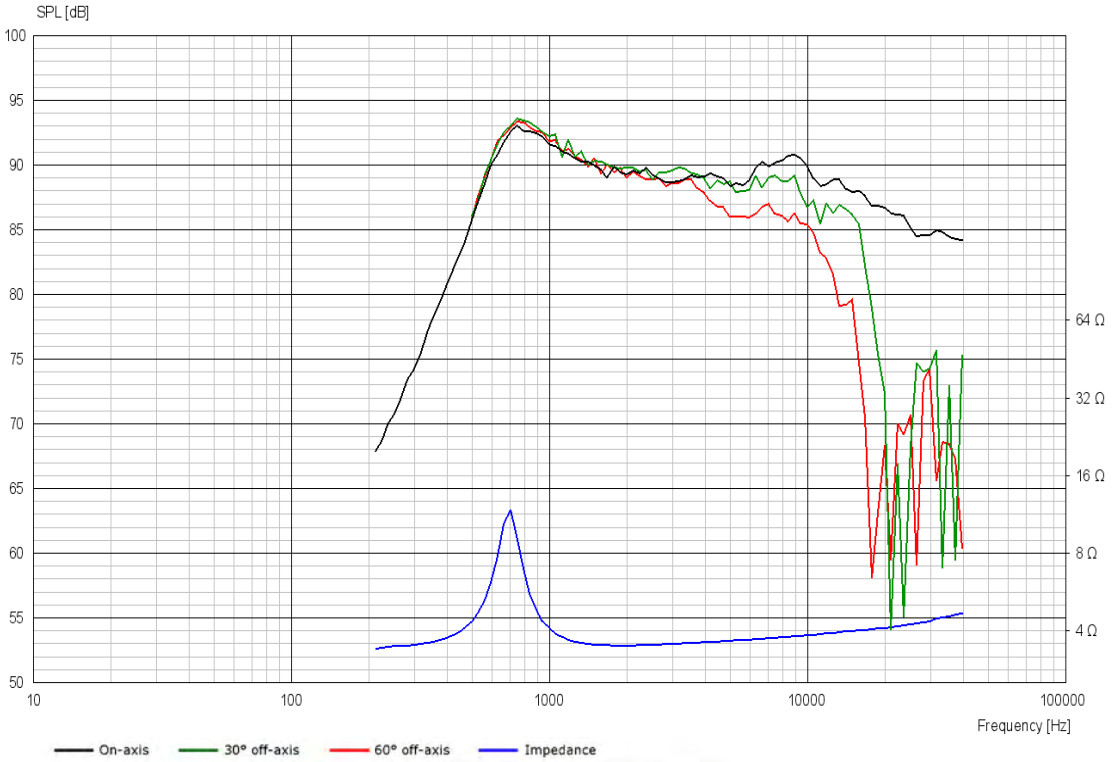
TWEETER D3004/602000



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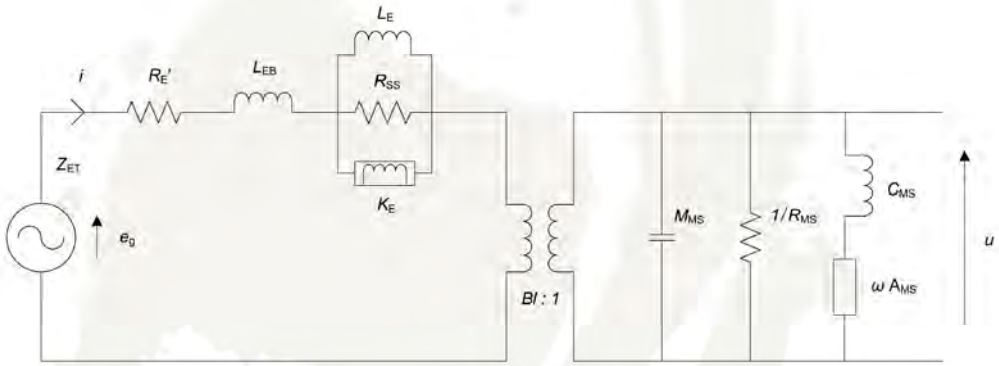

Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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ILLUMINATOR

TWEETER D3004/602010

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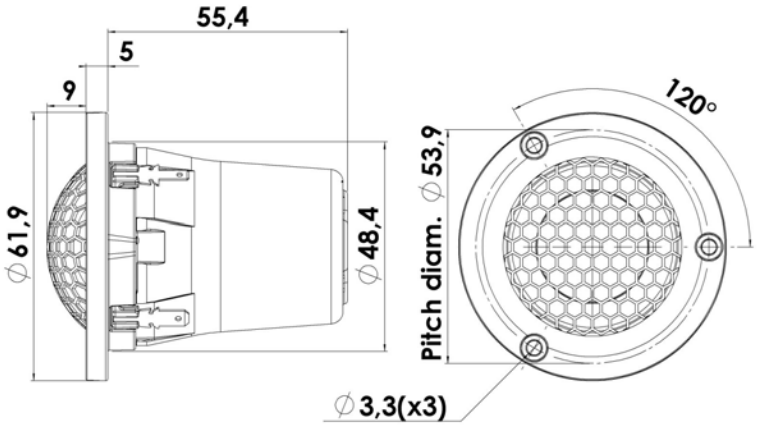

KEY FEATURES:

- 1" Textile Dome Diamphragm
- Patented Symmetrical Drive (SD-2) motor
- Large Non Resonant Alu Rear Chamber
- Large Roll Surround f. Wide Dispersion
- Sound Transparant Protective Grill
- Die Cast Housing & Face Plate

T-S Parameters	
Resonance frequency [fs]	425 Hz
Mechanical Q factor [Qms]	2.50
Electrical Q factor [Qes]	0.97
Total Q factor [Qts]	0.70
Force factor [Bl]	1.7 Tm
Mechanical resistance [Rms]	0.4 kg/s
Moving mass [Mms]	0.35 g
Compliance [Cms]	0.40 mm/N
Effective diaph. diameter [D]	30 mm
Effective piston area [Sd]	7 cm²
Equivalent volume [Vas]	0.03 l
Sensitivity (2.83V/1m)	89.6 dB
Ratio Bl/√Re	0.98 N/√W
Ratio fs/Qts	608 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.6 Ω
Maximum impedance [Zo]	10.7 Ω
DC resistance [Re]	3 Ω
Voice coil inductance [Le]	0.02 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	50 W
Long-term max power (IEC 17.3)*	130 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	2.1 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.2 kg

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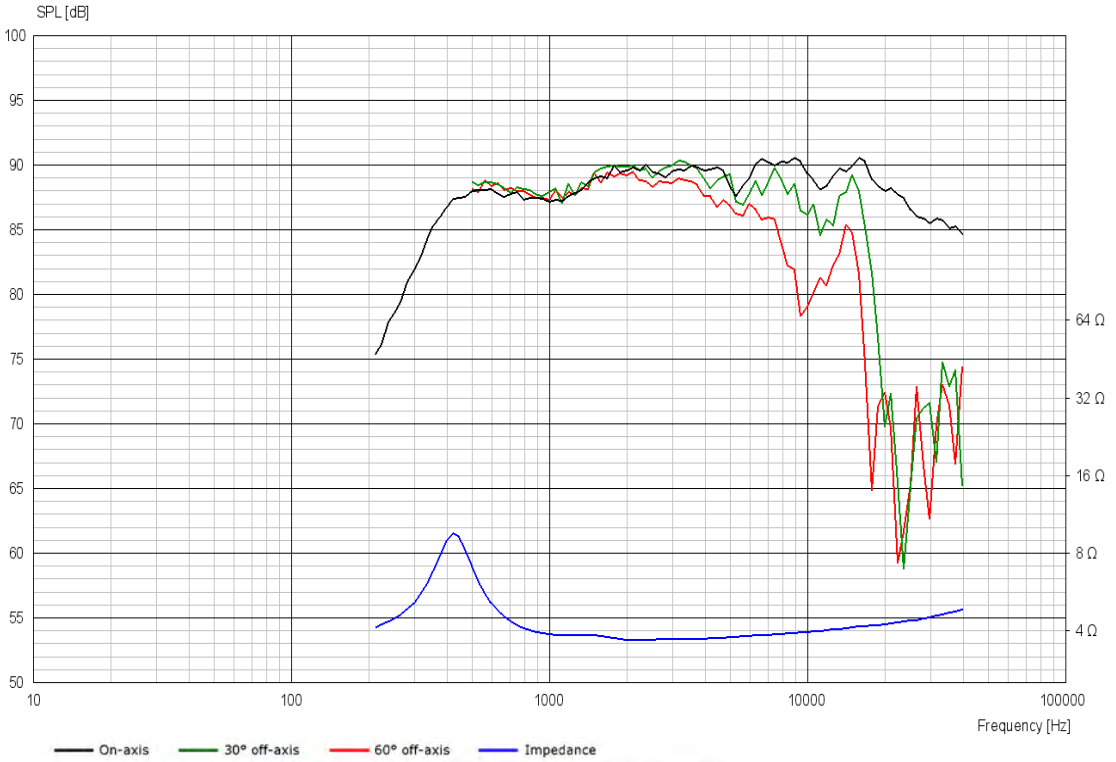
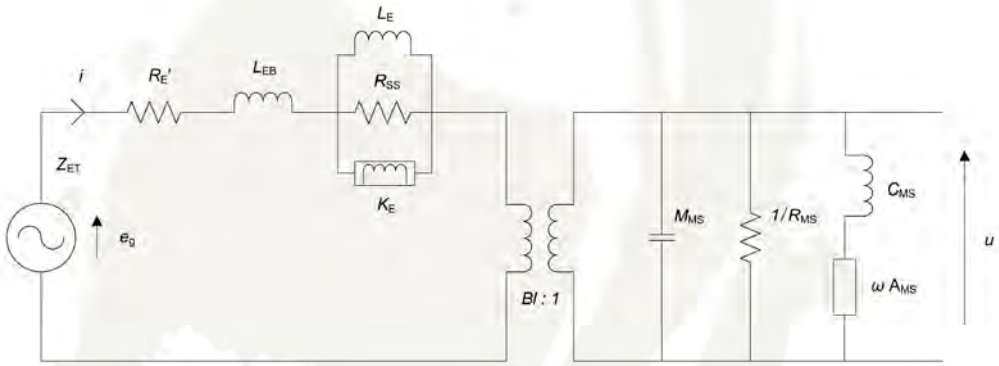
TWEETER D3004/602010



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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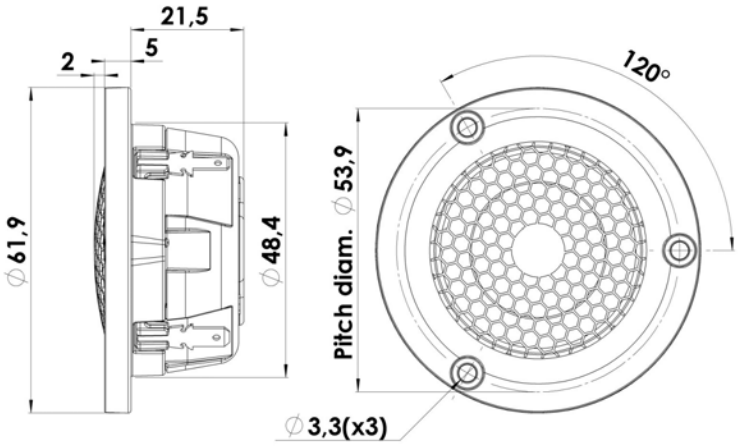
ILLUMINATOR

TWEETER D3004/604000

This 1” compact Illuminator beryllium tweeter is an example of a big sound in a small body. As beryllium is a material characterised by great stiffness, light weight and high damping, the beryllium diaphragm offers all the properties required to reproduce excellent sound. And indeed, the 1” tweeter sounds great. It has a very low distortion and a distinct clarity that brings out the best in all types of music.



KEY FEATURES:

- 1" Beryllium Diaphragm (99% pure Be)
- Patented Symmetrical Drive (SD-2) motor
- Die Cast Housing & Face Plate
- Large Roll Surround f. wide dispersion
- Compact Non Resonant Alu Rear Champer
- Sound Transparant Protective Grill

T-S Parameters	
Resonance frequency [fs]	750 Hz
Mechanical Q factor [Qms]	4.02
Electrical Q factor [Qes]	2.18
Total Q factor [Qts]	1.41
Force factor [Bl]	1.20 Tm
Mechanical resistance [Rms]	0.28 kg/s
Moving mass [Mms]	0.24 g
Compliance [Cms]	0.19 mm/N
Effective diaph. diameter [D]	30 mm
Effective piston area [Sd]	7 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	90.9 dB
Ratio Bl/√Re	0.71 N/√W
Ratio fs/Qts	532 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: November 18, 2015.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.6 Ω
Maximum impedance [Zo]	10.9 Ω
DC resistance [Re]	2.85 Ω
Voice coil inductance [Le]	0.03 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	50 W
Long-term max power (IEC 17.3)*	100 W

*Filter: 2. order HP Butterworth, 2,5kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	2.1 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.15 kg

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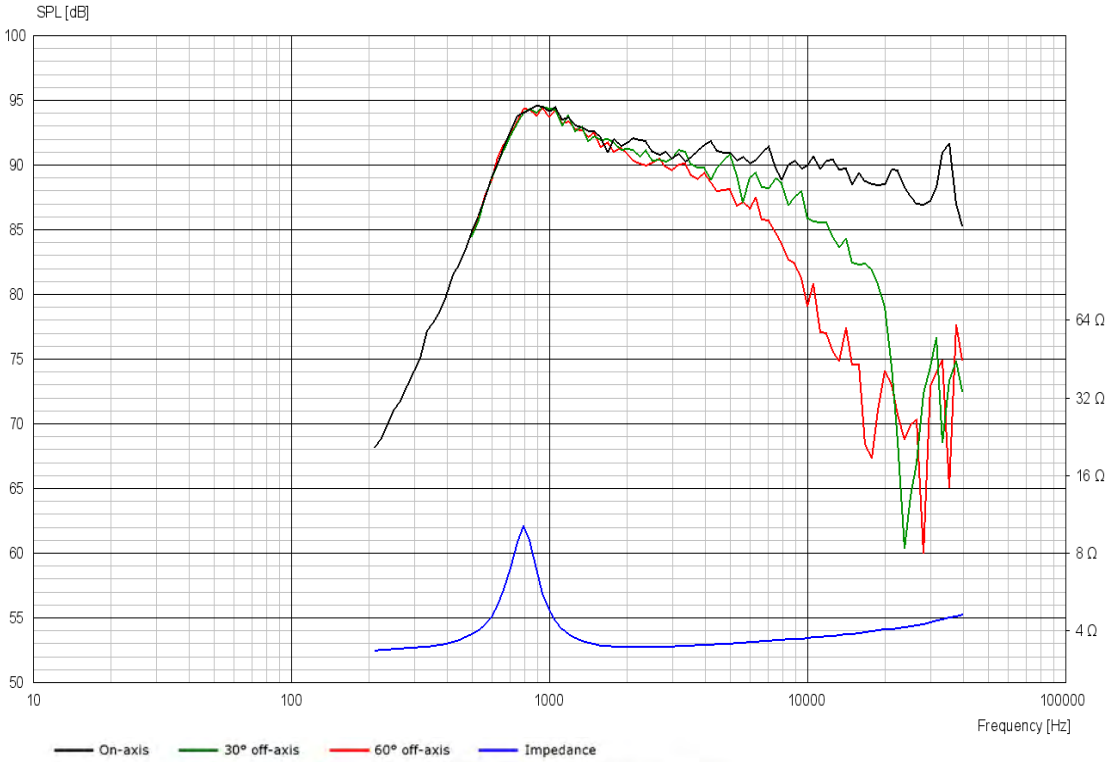
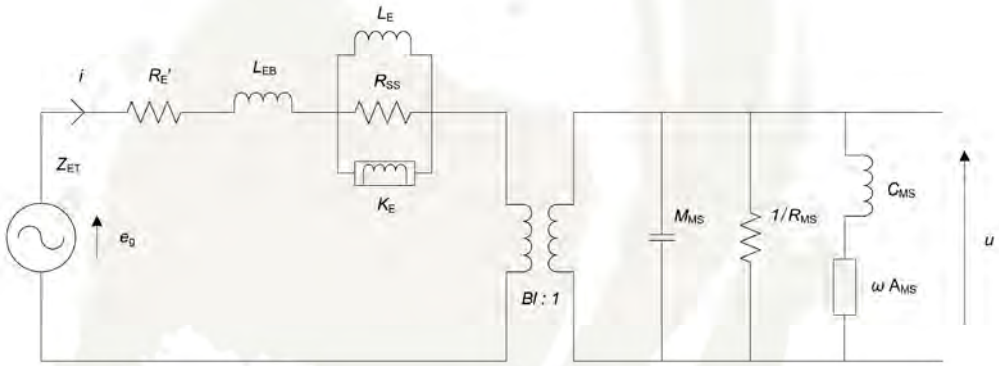
ILLUMINATOR

TWEETER D3004/604000



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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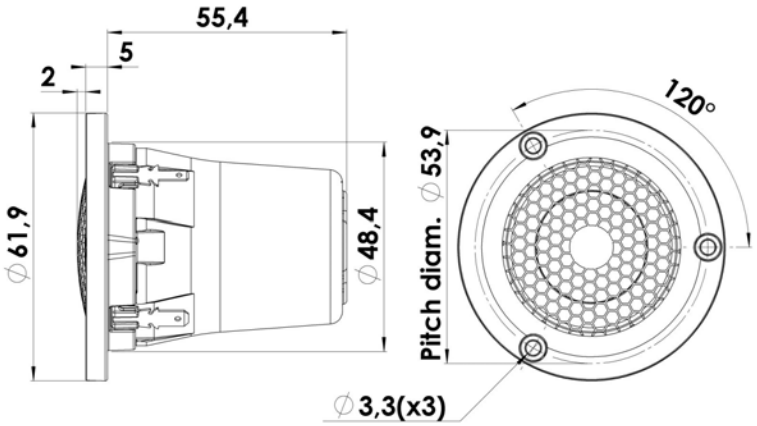
ILLUMINATOR

TWEETER D3004/604010

This 1” compact Illuminator beryllium tweeter is an example of a big sound in a small body. As beryllium is a material characterised by great stiffness, light weight and high damping, the beryllium diaphragm offers all the properties required to reproduce excellent sound. And indeed, the 1” tweeter sounds great. It has a very low distortion and a distinct clarity that brings out the best in all types of music.



KEY FEATURES:

- 1" Beryllium diaphragm (99% pure BE)
- Large non resonant aluminium enclosure
- Sound transparant protective grill
- Patented symetrical drive (SD-2) motor
- Large roll surround f. wide dispersion
- Applicable for HiFi and automotive

T-S Parameters	
Resonance frequency [fs]	450 Hz
Mechanical Q factor [Qms]	2.50
Electrical Q factor [Qes]	0.97
Total Q factor [Qts]	0.70
Force factor [Bl]	1.7 Tm
Mechanical resistance [Rms]	0.4 kg/s
Moving mass [Mms]	0.35 g
Compliance [Cms]	0.43 mm/N
Effective diaph. diameter [D]	3 mm
Effective piston area [Sd]	7 cm²
Equivalent volume [Vas]	0.03 l
Sensitivity (2.83V/1m)	90.2 dB
Ratio Bl/√Re	0.98 N/√W
Ratio fs/Qts	608 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: October 28, 2015.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.6 Ω
Maximum impedance [Zo]	11.2 Ω
DC resistance [Re]	3 Ω
Voice coil inductance [Le]	0.02 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	50 W
Long-term max power (IEC 17.3)*	100 W

*Filter: 2. order HP Butterworth, 2,5kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	2.1 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.2 kg

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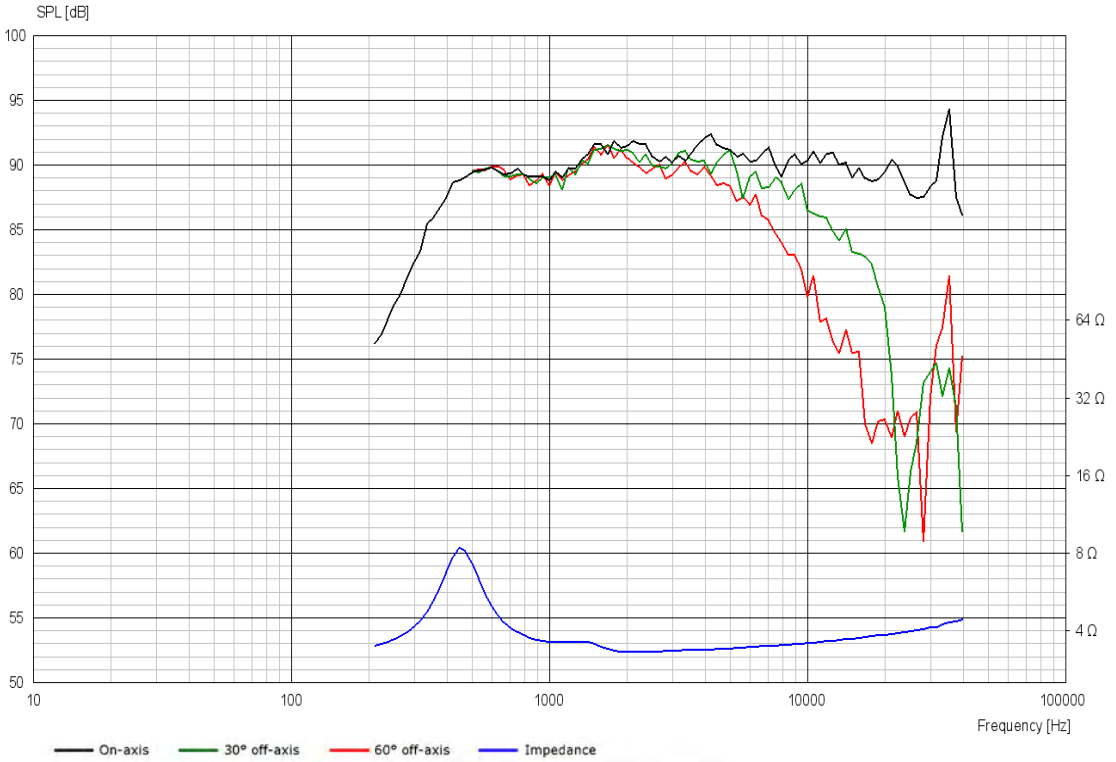
TWEETER D3004/604010



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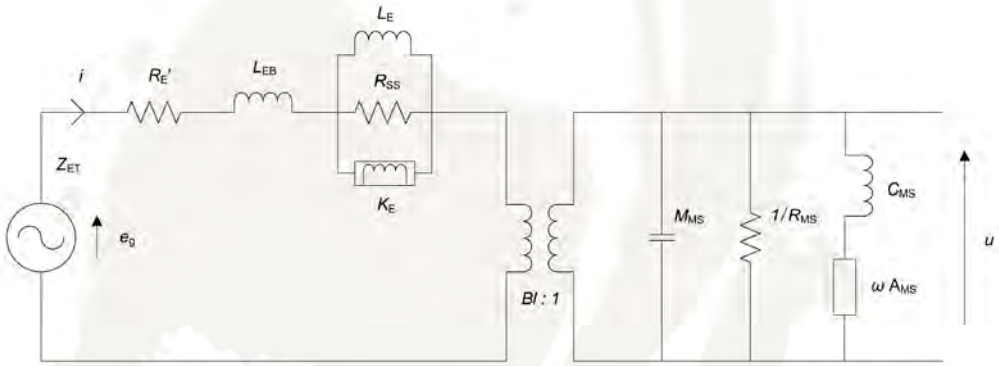

Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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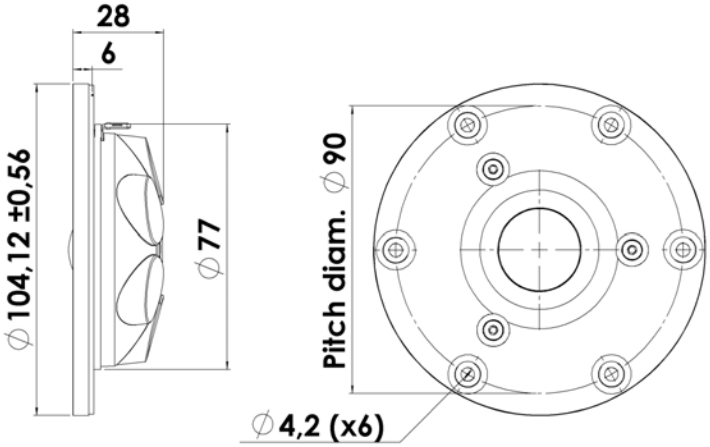
ILLUMINATOR

TWEETER D3004/660000

The Illuminator tweeters stand for superb vocal rendition and excellent imaging at all listening locations. Its large roll surround and textile dome diaphragm provides a flat frequency response to above 30KHz with outstanding off-axis dispersion. The unique AirCirc Magnet System, and its rear chamber, results in elimination of reflections and resonances that compromise the performance of traditional motors.



KEY FEATURES:

- 1" Textile Dome Diaphragm
- Patented Symmetrical Drive (SD-2) motor
- Die Cast Rubber Painted Alu Face Plate
- Large Roll Surround f. Wide Dispersion
- AirCirc Motor Design w. 6 Neo magnets

T-S Parameters	
Resonance frequency [fs]	470 Hz
Mechanical Q factor [Qms]	3.00
Electrical Q factor [Qes]	0.59
Total Q factor [Qts]	0.49
Force factor [Bl]	2.3 Tm
Mechanical resistance [Rms]	0.3 kg/s
Moving mass [Mms]	0.35 g
Compliance [Cms]	0.33 mm/N
Effective diaph. diameter [D]	30 mm
Effective piston area [Sd]	7 cm²
Equivalent volume [Vas]	0.02 l
Sensitivity (2.83V/1m)	91.5 dB
Ratio Bl/√Re	1.33 N/√W
Ratio fs/Qts	959 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.5 Ω
Maximum impedance [Zo]	18.4 Ω
DC resistance [Re]	3 Ω
Voice coil inductance [Le]	0.03 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	90 W
Long-term max power (IEC 17.3)*	150 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	2.1 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.3 kg

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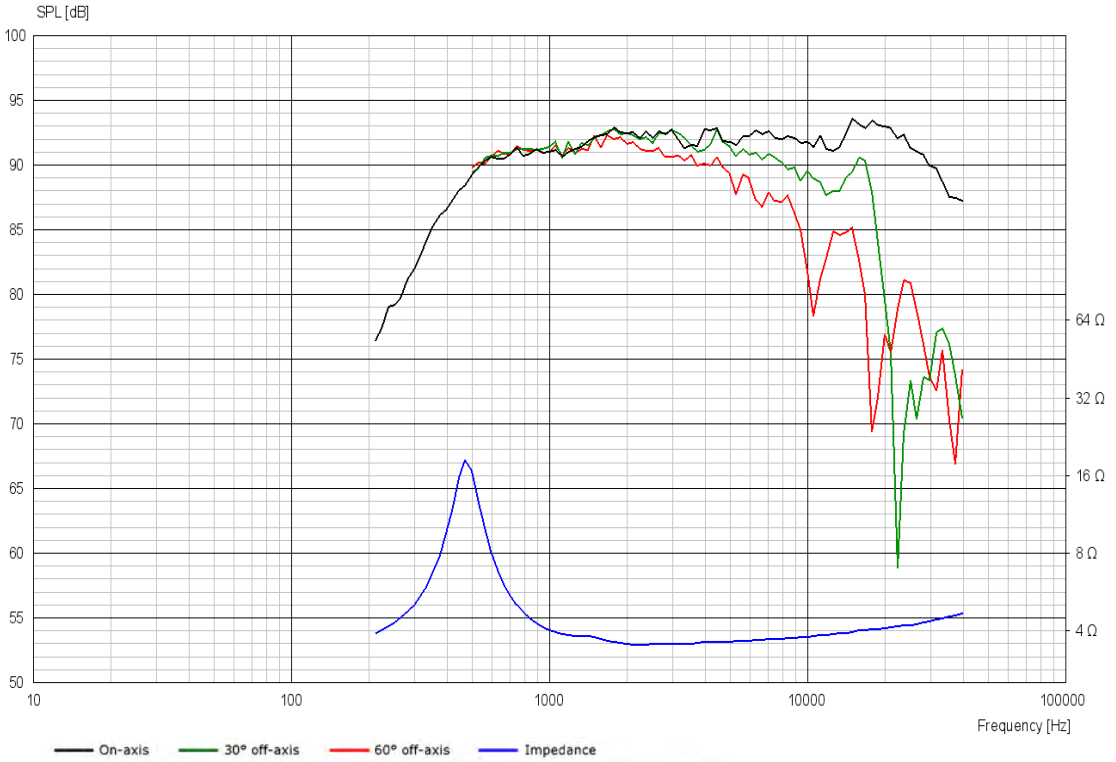
ILLUMINATOR

TWEETER D3004/660000



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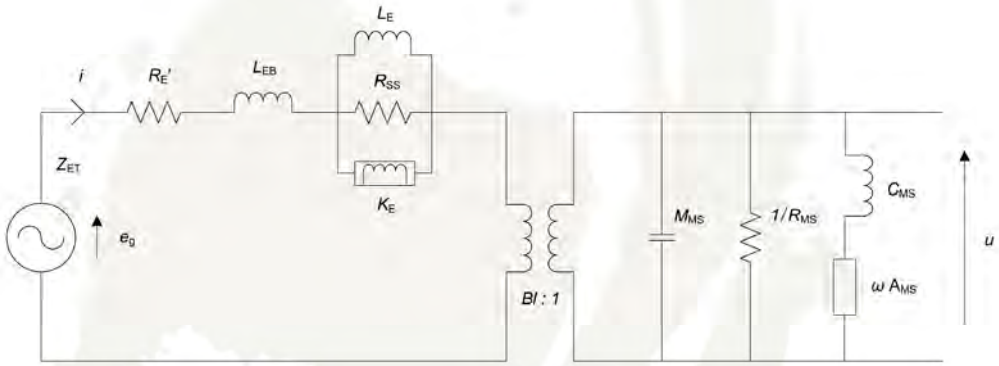

Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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ILLUMINATOR

TWEETER D3004/662000

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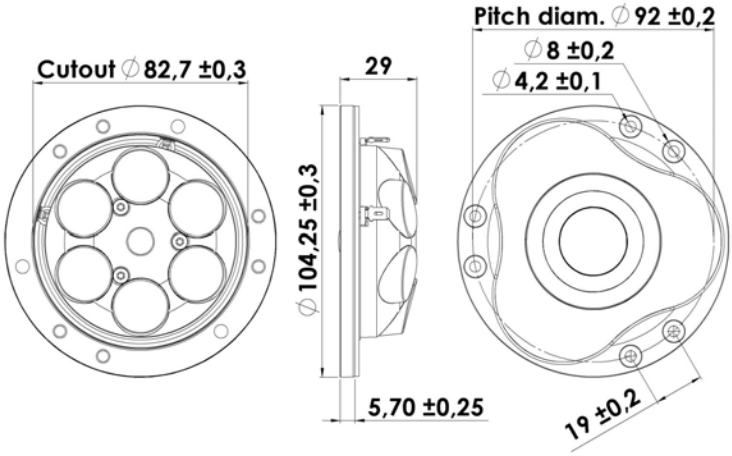

KEY FEATURES:

- 1" Textile Dome Diaphragm
- Magnet System w. Alu Ring
- Diffraction Damping Rubber Front
- Large Roll Surround f. Wide Dispersion
- AirCirc Motor Design w. 6 Neo magnets
- Die Cast Rubber Painted Alu Face Plate

T-S Parameters	
Resonance frequency [fs]	500 Hz
Mechanical Q factor [Qms]	3.79
Electrical Q factor [Qes]	0.62
Total Q factor [Qts]	0.54
Force factor [Bl]	2.3 Tm
Mechanical resistance [Rms]	0.29 kg/s
Moving mass [Mms]	0.35 g
Compliance [Cms]	0.29 mm/N
Effective diaph. diameter [D]	30 mm
Effective piston area [Sd]	7 cm²
Equivalent volume [Vas]	0.02 l
Sensitivity (2.83V/1m)	91.5 dB
Ratio Bl/√Re	1.33 N/√W
Ratio fs/Qts	933 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.9 Ω
Maximum impedance [Zo]	21.2 Ω
DC resistance [Re]	3 Ω
Voice coil inductance [Le]	0.03 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	90 W
Long-term max power (IEC 17.3)*	150 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	2.1 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.3 kg

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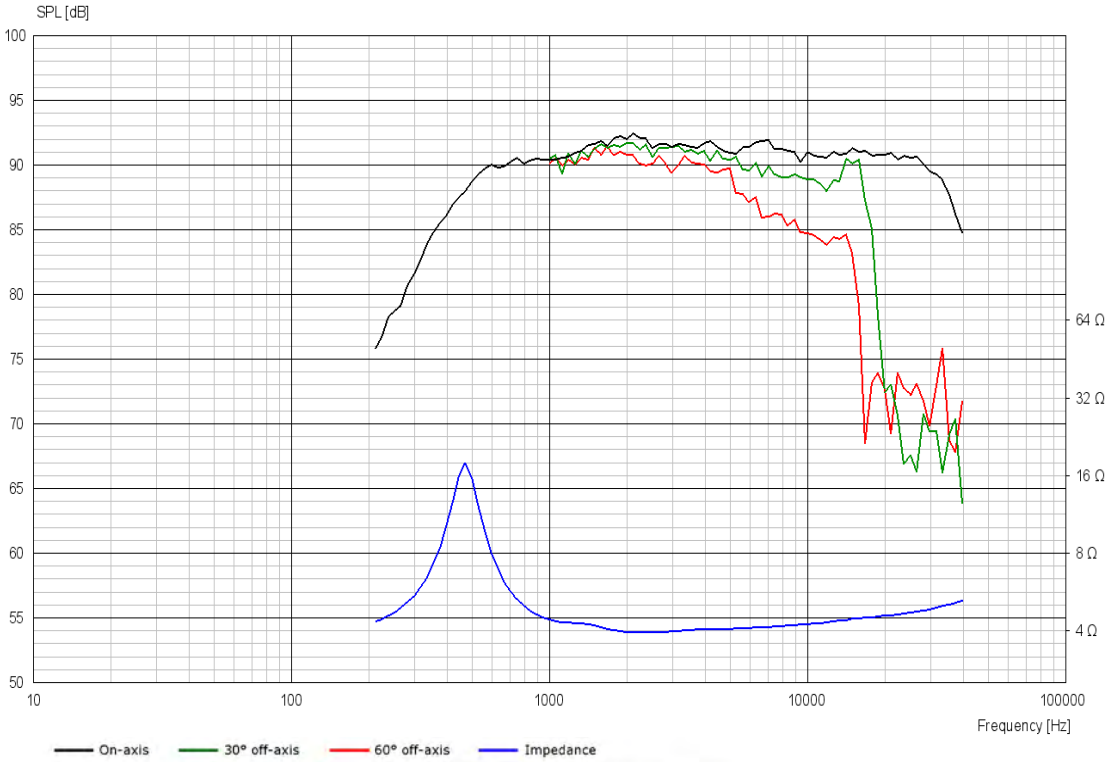
ILLUMINATOR

TWEETER D3004/662000



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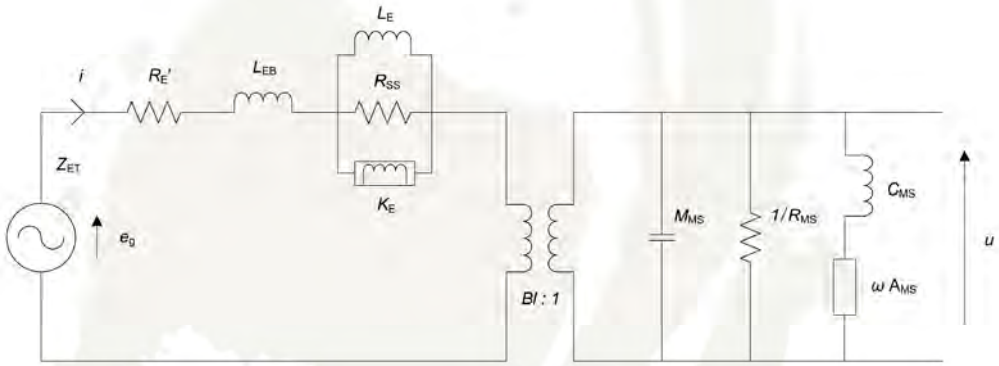

Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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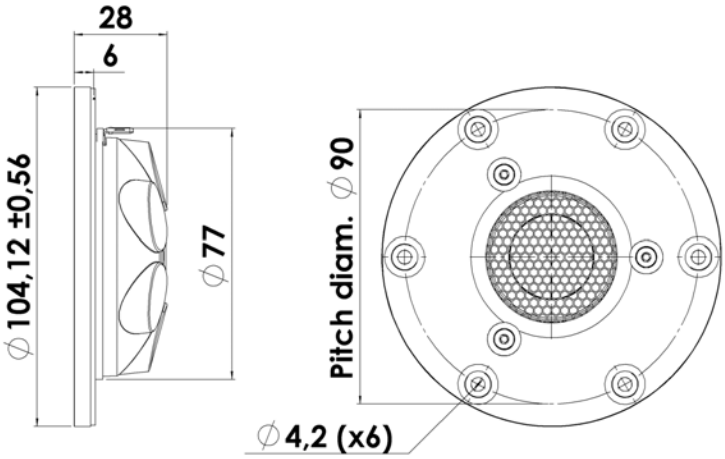
ILLUMINATOR

TWEETER D3004/664000

The Illuminator tweeters stand for superb vocal rendition and excellent imaging at all listening levels. The D3004/664000 is "top of the range" with its pure beryllium diaphragm, large roll surround, and AirCirc motor system, it provide a excellent - unsurpassed - sound reproduction with a flat frequency response to above 40KHz, outstanding off-axis response, low distortion and dynamic precision.



KEY FEATURES:

- Beryllium Diaphragm (99% Pure Be)
- Patented Symmetrical Drive (SD-2) motor
- Black Rubber Painted Die Cast Faceplate
- AirCirc Motor Design w. 6 Neo magnets
- Large Roll Surround f. Wide Dispersion
- Non-Magnetic Protective Grill

T-S Parameters	
Resonance frequency [fs]	500 Hz
Mechanical Q factor [Qms]	3.79
Electrical Q factor [Qes]	0.62
Total Q factor [Qts]	0.54
Force factor [Bl]	2.3 Tm
Mechanical resistance [Rms]	0.29 kg/s
Moving mass [Mms]	0.35 g
Compliance [Cms]	0.29 mm/N
Effective diaph. diameter [D]	30 mm
Effective piston area [Sd]	7 cm²
Equivalent volume [Vas]	0.02 l
Sensitivity (2.83V/1m)	91.5 dB
Ratio Bl/√Re	1.33 N/√W
Ratio fs/Qts	933 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.6 Ω
Maximum impedance [Zo]	21.2 Ω
DC resistance [Re]	3 Ω
Voice coil inductance [Le]	0.03 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	90 W
Long-term max power (IEC 17.3)*	150 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	2.1 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.3 kg

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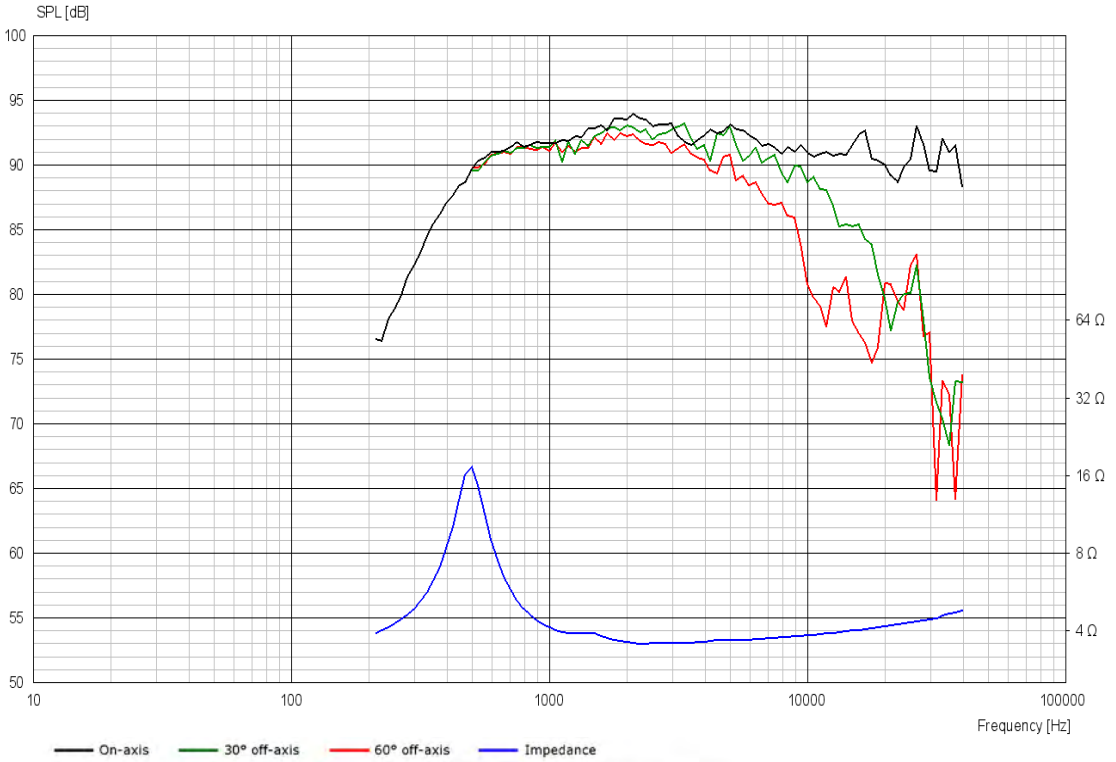
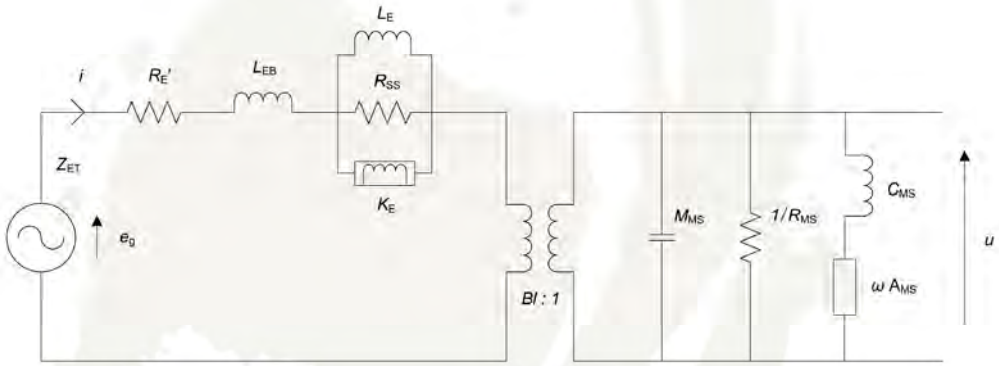
ILLUMINATOR

TWEETER D3004/664000



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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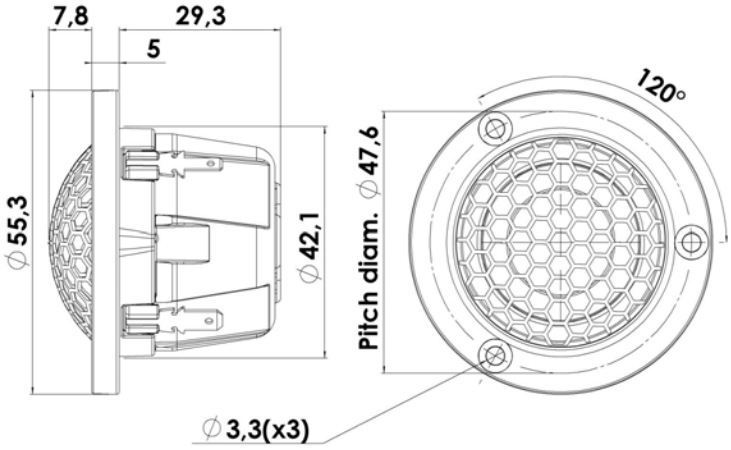
ILLUMINATOR

TWEETER R2004/602000

The compact size is one of the key elements of these Illuminator tweeters, which provides a high degree of flexibility within design options. The small size is employed without compromising sound quality where these compact tweeters are fully comparable to the renowned full size Illuminator and Revelator tweeters, no matter if the music is played at high or low listening levels.



KEY FEATURES:

- 3/4" Ring Dome Diaphragm
- Patented Symmetrical Drive (SD-2) motor
- Non Resonant Alu Rear Chamber
- Patented Phase Plug Design
- Sound Transparant Protective Grill
- Die Cast Housing & Face Plate

T-S Parameters	
Resonance frequency [fs]	675 Hz
Mechanical Q factor [Qms]	3.01
Electrical Q factor [Qes]	1.51
Total Q factor [Qts]	1.01
Force factor [Bl]	1.3 Tm
Mechanical resistance [Rms]	0.3 kg/s
Moving mass [Mms]	0.22 g
Compliance [Cms]	0.25 mm/N
Effective diaph. diameter [D]	22 mm
Effective piston area [Sd]	3.8 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	86 dB
Ratio Bl/√Re	0.78 N/√W
Ratio fs/Qts	670 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.5 Ω
Maximum impedance [Zo]	8.4 Ω
DC resistance [Re]	2.8 Ω
Voice coil inductance [Le]	0.02 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	50 W
Long-term max power (IEC 17.3)*	180 W

*Filter: 2. order HP Butterworth, 3 kHz

Voice Coil & Magnet Data	
Voice coil diameter	19 mm
Voice coil height	1.8 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.4 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.1 kg

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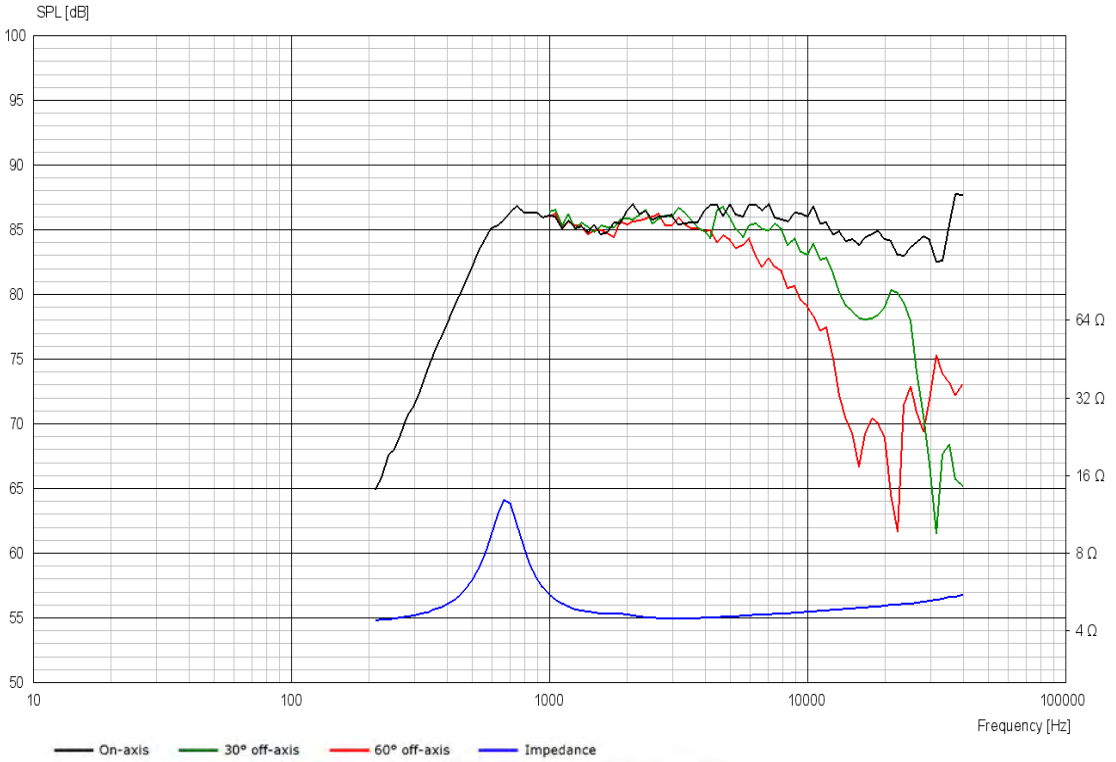
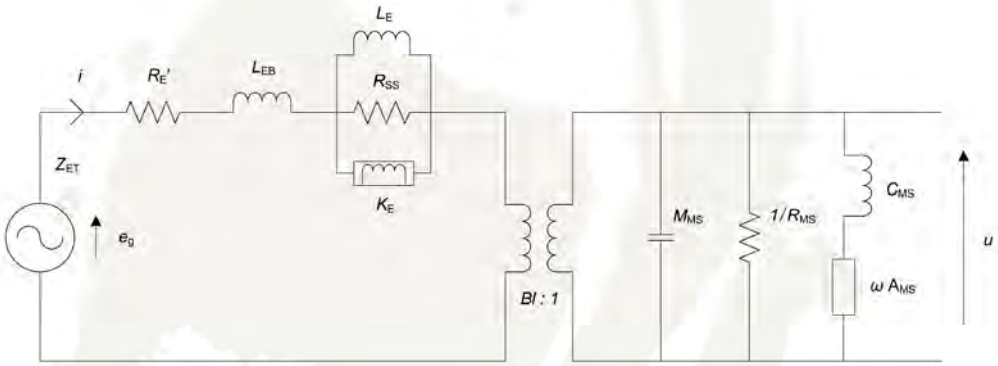
ILLUMINATOR

TWEETER R2004/602000



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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ILLUMINATOR

TWEETER R3004/602000

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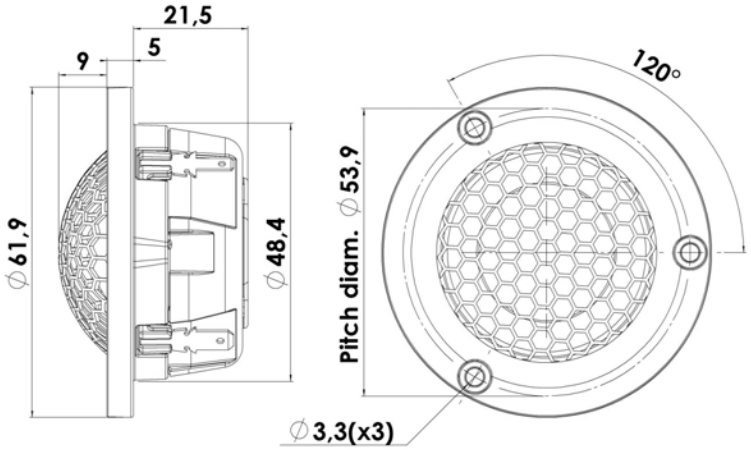

KEY FEATURES:

- 1" Ring Dome Diaphragm
- Patented Symmetrical Drive (SD-2) motor
- Non Resonant Alu Rear Chamber
- Patented Phase Plug Design
- Sound Transparant Protective Grill
- Die Cast Housing & Face Plate

T-S Parameters	
Resonance frequency [fs]	625 Hz
Mechanical Q factor [Qms]	5.73
Electrical Q factor [Qes]	1.43
Total Q factor [Qts]	1.14
Force factor [Bl]	1.7 Tm
Mechanical resistance [Rms]	0.24 kg/s
Moving mass [Mms]	0.35 g
Compliance [Cms]	0.19 mm/N
Effective diaph. diameter [D]	27 mm
Effective piston area [Sd]	5.6 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	87.4 dB
Ratio Bl/√Re	0.98 N/√W
Ratio fs/Qts	547 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.8 Ω
Maximum impedance [Zo]	15.0 Ω
DC resistance [Re]	3 Ω
Voice coil inductance [Le]	0.02 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	50 W
Long-term max power (IEC 17.3)*	130 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	2.1 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.15 kg

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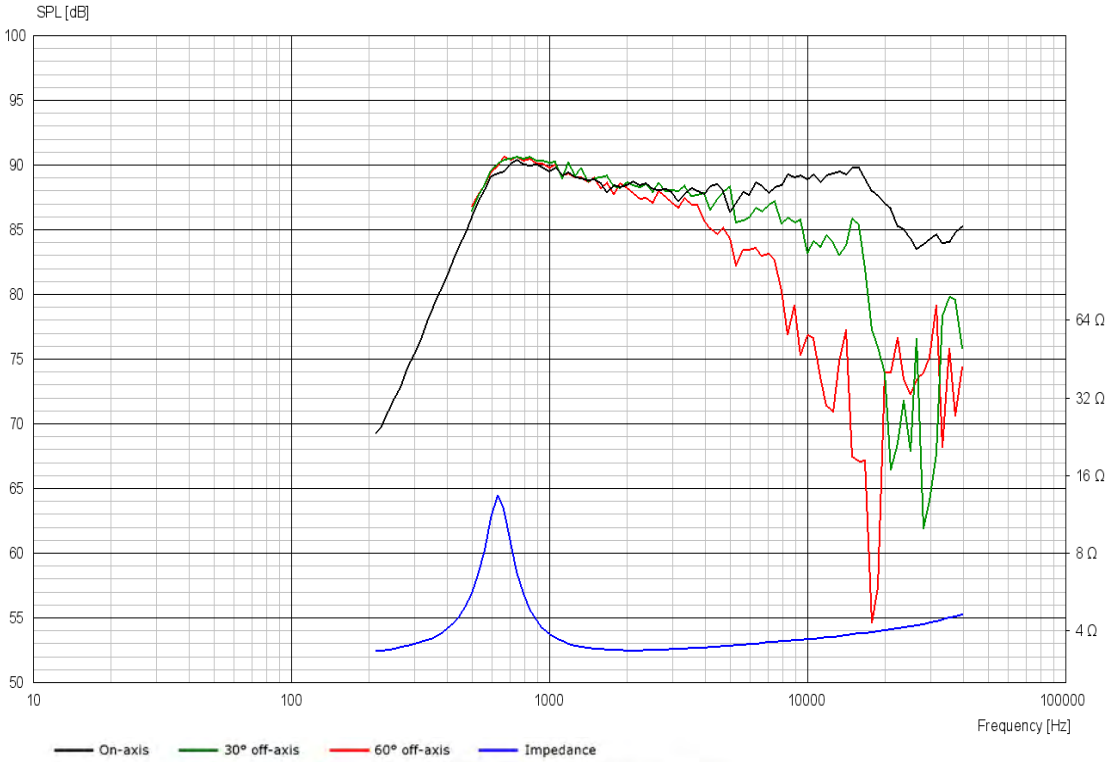
TWEETER R3004/602000



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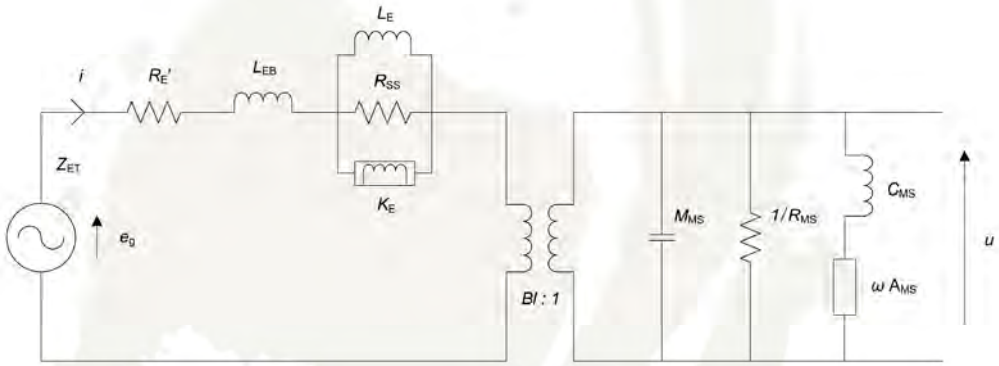

Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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ILLUMINATOR

TWEETER R3004/602010

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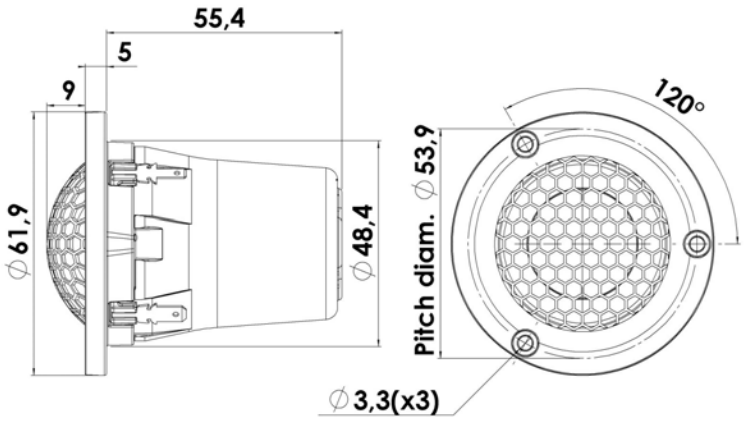

KEY FEATURES:

- 1" Ring Dome Diaphragm
- Patented Symmetrical Drive (SD-2) motor
- Large Non Resonant Alu Rear Chamber
- Patented Phase Plug Design
- Sound Transparant Protective Grill
- Die Cast Housing & Face Plate

T-S Parameters	
Resonance frequency [fs]	420 Hz
Mechanical Q factor [Qms]	2.57
Electrical Q factor [Qes]	1.03
Total Q factor [Qts]	0.74
Force factor [Bl]	1.7 Tm
Mechanical resistance [Rms]	0.36 kg/s
Moving mass [Mms]	0.35 g
Compliance [Cms]	0.41 mm/N
Effective diaph. diameter [D]	27 mm
Effective piston area [Sd]	5.6 cm²
Equivalent volume [Vas]	0.02 l
Sensitivity (2.83V/1m)	87.4 dB
Ratio Bl/√Re	0.98 N/√W
Ratio fs/Qts	570 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.8 Ω
Maximum impedance [Zo]	10.5 Ω
DC resistance [Re]	3 Ω
Voice coil inductance [Le]	0.02 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	50 W
Long-term max power (IEC 17.3)*	130 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	2.1 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.2 kg

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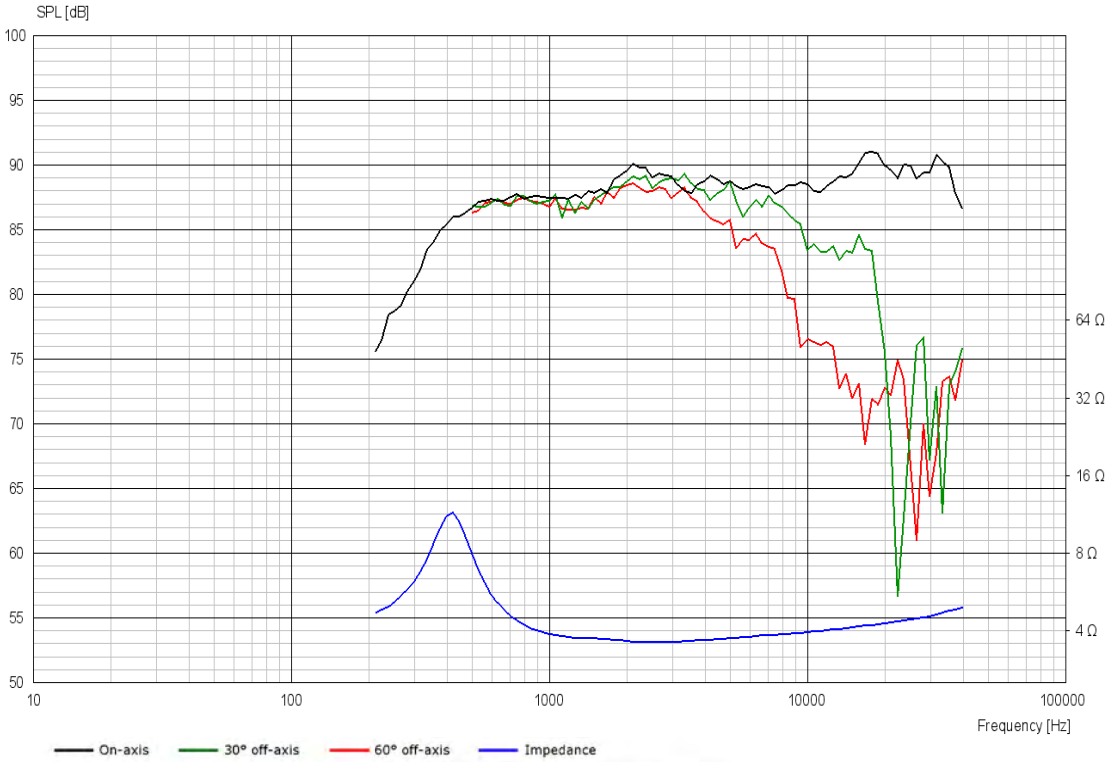
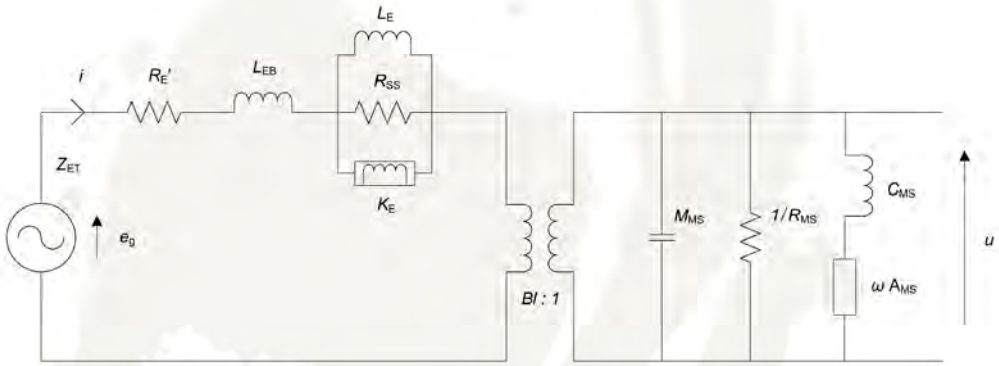
TWEETER R3004/602010



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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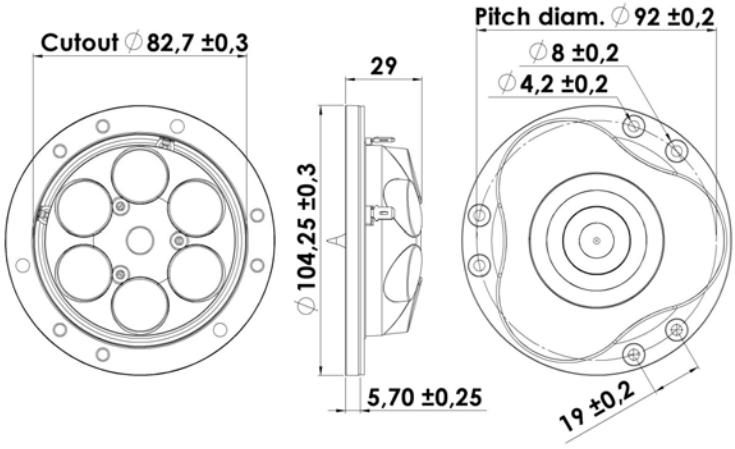
ILLUMINATOR

TWEETER R3004/662000

The Illuminator tweeters stand for superb vocal rendition and excellent imaging at all listening locations. With its large roll surround and textile diaphragm provide a flat frequency response to above 30KHz. The unique AirCirc Magnet System, and its rear chamber, results in elimination of reflections and resonances that compromise the performance of traditional motors.



KEY FEATURES:

- 1" Ring Dome Diaphragm
- Patented Symmetrical Drive (SD-2) motor
- Diffraction Damping Rubber Front
- Patented Phase Plug Design
- AirCirc Motor Design w. 6 Neo magnets
- Die Cast Rubber Painted Alu Face Plate

T-S Parameters	
Resonance frequency [fs]	520 Hz
Mechanical Q factor [Qms]	3.27
Electrical Q factor [Qes]	0.56
Total Q factor [Qts]	0.48
Force factor [Bl]	2.3 Tm
Mechanical resistance [Rms]	0.30 kg/s
Moving mass [Mms]	0.3 g
Compliance [Cms]	0.31 mm/N
Effective diaph. diameter [D]	27 mm
Effective piston area [Sd]	5.6 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	90.4 dB
Ratio Bl/√Re	1.33 N/√W
Ratio fs/Qts	1094 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.9 Ω
Maximum impedance [Zo]	20.6 Ω
DC resistance [Re]	3 Ω
Voice coil inductance [Le]	0.03 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	90 W
Long-term max power (IEC 17.3)*	150 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	2.1 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.3 kg

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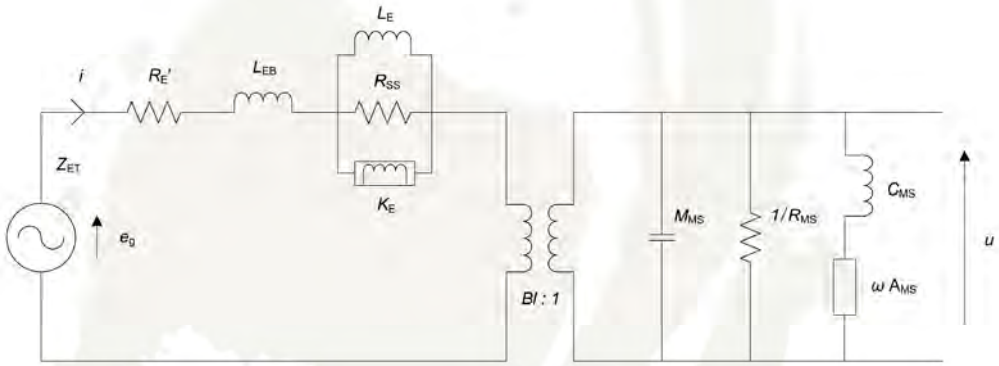
TWEETER R3004/662000

Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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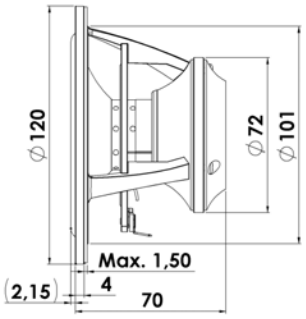
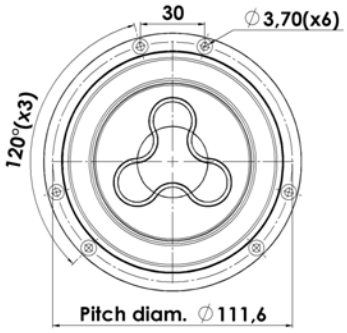
ILLUMINATOR

MIDRANGE 12MU/4731T00

The Illuminator midranges and midwoofers are in every aspect unusual designs with the open construction, the extremely long linear excursion and patented under-hung SD-3 (Symmetrical Drive) neodymium motor system, which due to copper caps and its construction ensures very low distortion, adding the unique patented cones, low-loss linear suspension the result is: "The Very Best Money Can Buy"!





KEY FEATURES:

- Under-Hung Neodymium Motor Design
- One Piece Cone-Dust Cap
- Very Wide Frequency Response 100-10KHz
- Patented Symmetrical Drive (SD-3)
- Low-Loss Linear Suspension
- High Output 90dB @ 2,83V

T-S Parameters	
Resonance frequency [fs]	64 Hz
Mechanical Q factor [Qms]	3.64
Electrical Q factor [Qes]	0.26
Total Q factor [Qts]	0.24
Force factor [Bl]	5.1 Tm
Mechanical resistance [Rms]	0.60 kg/s
Moving mass [Mms]	5.4 g
Compliance [Cms]	1.15 mm/N
Effective diaph. diameter [D]	86 mm
Effective piston area [Sd]	58 cm²
Equivalent volume [Vas]	5.4 l
Sensitivity (2.83V/1m)	90 dB
Ratio Bl/√Re	2.92 N/√W
Ratio fs/Qts	264 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.3 Ω
Maximum impedance [Zo]	46.5 Ω
DC resistance [Re]	3.1 Ω
Voice coil inductance [Le]	0.11 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	80 W
Long-term max power (IEC 17.3)*	150 W

*Filter: 2. order HP Butterworth, 200 Hz

Voice Coil & Magnet Data	
Voice coil diameter	32 mm
Voice coil height	6 mm
Voice coil layers	4
Height of gap	13 mm
Linear excursion	± 3.5 mm
Max mech. excursion	± 10 mm
Unit weight	0.8 kg

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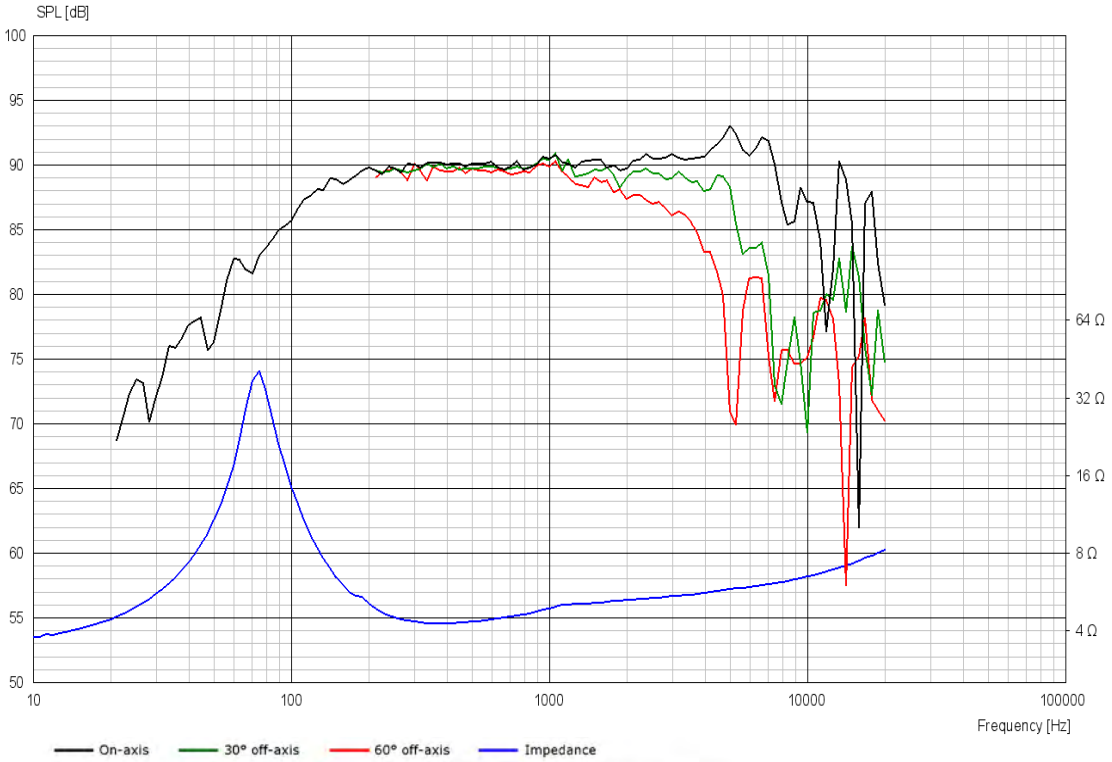
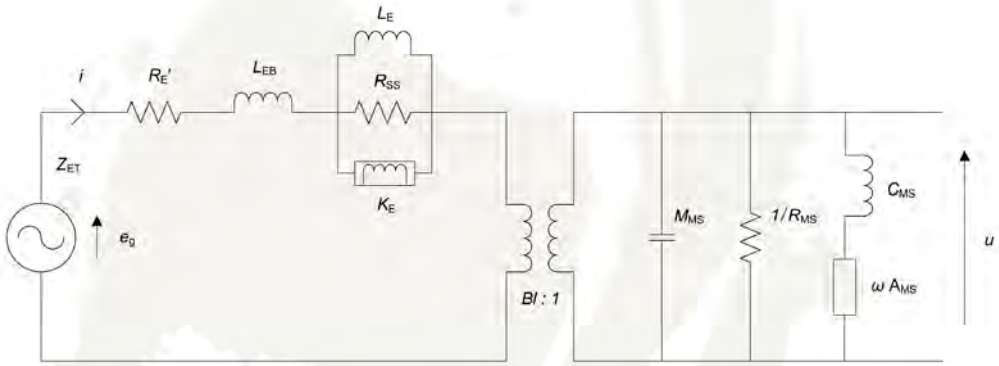
MIDRANGE 12MU/4731T00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.20 Ω
Free inductance [Leb]	0.042 mH
Bound inductance [Le]	1.40 mH
Semi-inductance [Ke]	0.059 SH
Shunt resistance [Rss]	3 Ω

Mechanical Data	
Force Factor [Bl]	5.03 Tm
Moving mass [Mms]	5.9 g
Compliance [Cms]	0.74 mm/N
Mechanical resistance [Rms]	0.69 kg/s
Admittance [Ams]	0.10 mm/N

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MIDRANGE 12MU/8731T00

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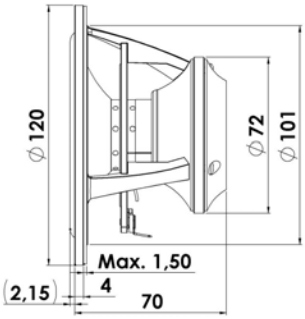

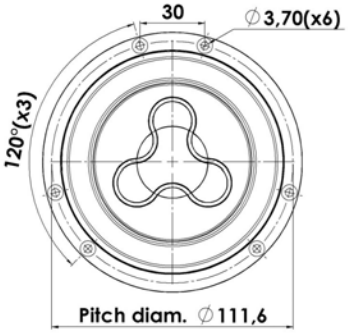

KEY FEATURES:

- Under-Hung Neodymium Motor Design
- One Piece Cone-Dust Cap
- Very Wide Frequency Response 100-10KHz
- Patented Symmetrical Drive (SD-3)
- Low-Loss Linear Suspension
- High Output 87dB @ 2,83V

T-S Parameters	
Resonance frequency [fs]	66 Hz
Mechanical Q factor [Qms]	3.63
Electrical Q factor [Qes]	0.31
Total Q factor [Qts]	0.29
Force factor [Bl]	6.1 Tm
Mechanical resistance [Rms]	0.54 kg/s
Moving mass [Mms]	4.7 g
Compliance [Cms]	1.24 mm/N
Effective diaph. diameter [D]	86 mm
Effective piston area [Sd]	58 cm²
Equivalent volume [Vas]	5.8 l
Sensitivity (2.83V/1m)	87.2 dB
Ratio Bl/√Re	2.51 N/√W
Ratio fs/Qts	231 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	7.7 Ω
Maximum impedance [Zo]	75.0 Ω
DC resistance [Re]	5.9 Ω
Voice coil inductance [Le]	0.13 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	80 W
Long-term max power (IEC 17.3)*	150 W

*Filter: 2. order HP Butterworth, 200 Hz

Voice Coil & Magnet Data	
Voice coil diameter	32 mm
Voice coil height	6.2 mm
Voice coil layers	4
Height of gap	13 mm
Linear excursion	± 3.4 mm
Max mech. excursion	± 11 mm
Unit weight	0.7 kg

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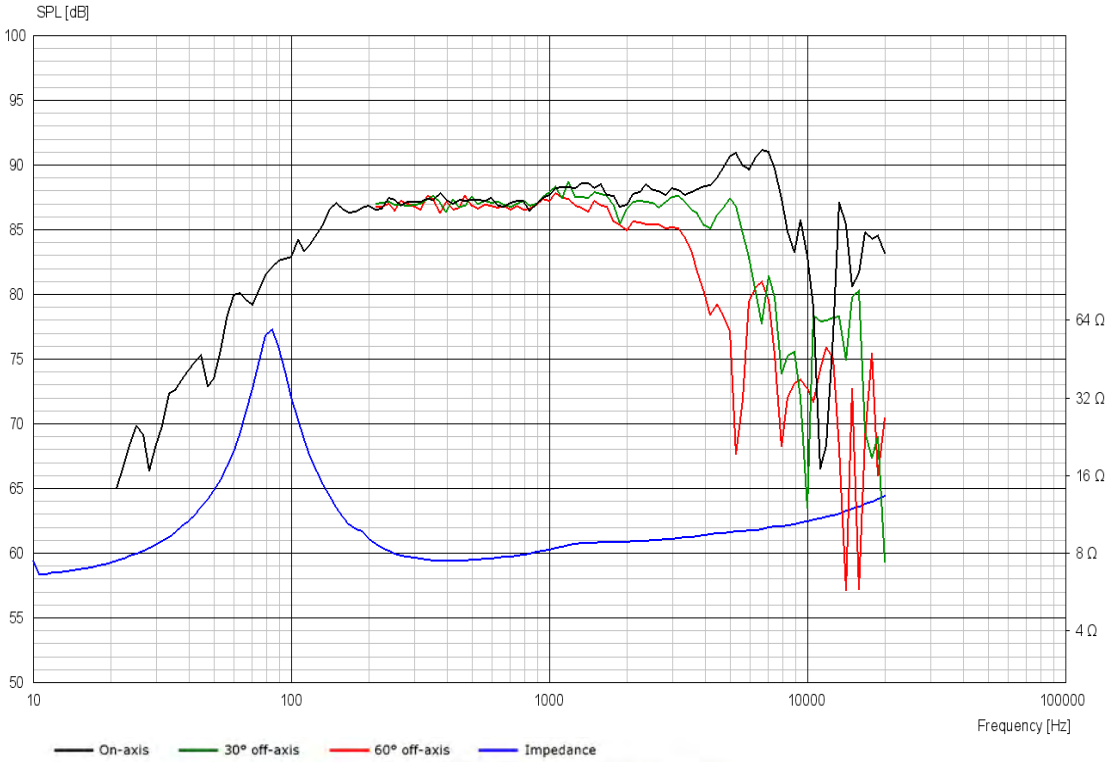
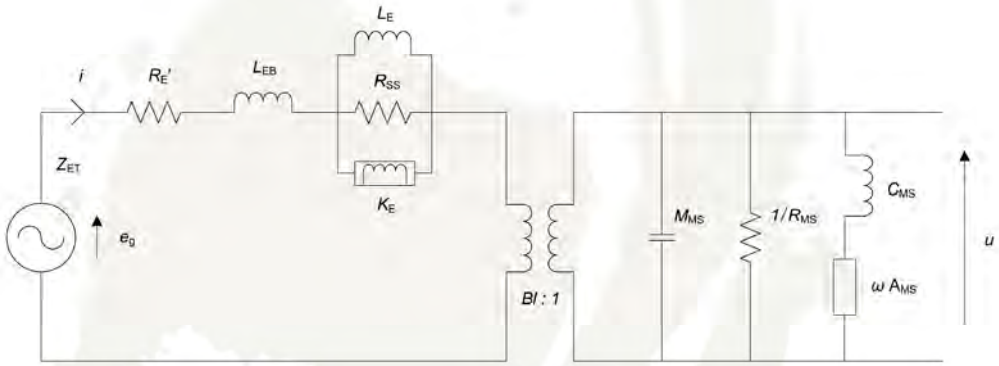
MIDRANGE 12MU/8731T00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	5.86 Ω
Free inductance [Leb]	0.064 mH
Bound inductance [Le]	2.03 mH
Semi-inductance [Ke]	0.080 SH
Shunt resistance [Rss]	5 Ω

Mechanical Data	
Force Factor [Bl]	5.85 Tm
Moving mass [Mms]	5.2 g
Compliance [Cms]	0.69 mm/N
Mechanical resistance [Rms]	0.63 kg/s
Admittance [Ams]	0.09 mm/N

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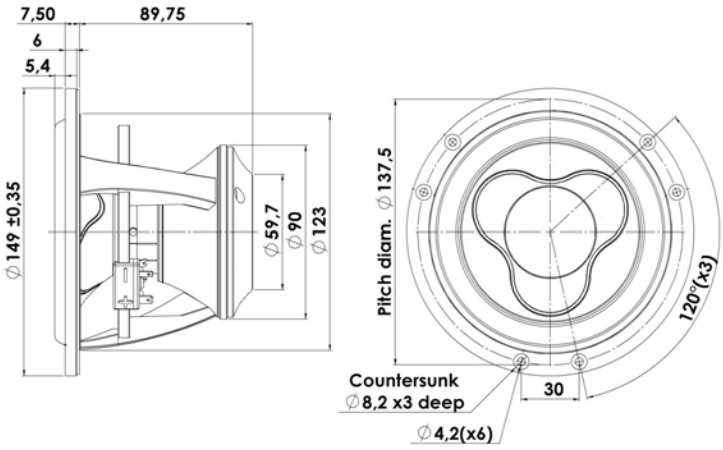
ILLUMINATOR

MIDWOOFER 15WU/4741T00

The Illuminator midranges and midwoofers are in every aspect unusual designs with the open construction, the extremely long linear excursion and patented under-hung SD-3 (Symmetrical Drive) neodymium motor system, which due to copper caps and its construction ensures very low distortion, adding the unique patented cones, low-loss linear suspension the result is: "The Very Best Money Can Buy"!



KEY FEATURES:

- Under-Hung Neodymium Motor Design
- Patented Sandwich Paper Cone
- Low-loss linear suspension
- Patented Symmetrical Drive (SD-3)
- Exceptionally Long Linear Excursion
- Patented Design

T-S Parameters	
Resonance frequency [fs]	34 Hz
Mechanical Q factor [Qms]	3.47
Electrical Q factor [Qes]	0.25
Total Q factor [Qts]	0.23
Force factor [Bl]	6 Tm
Mechanical resistance [Rms]	0.80 kg/s
Moving mass [Mms]	13 g
Compliance [Cms]	1.69 mm/N
Effective diaph. diameter [D]	108 mm
Effective piston area [Sd]	92 cm²
Equivalent volume [Vas]	20.0 l
Sensitivity (2.83V/1m)	85.9 dB
Ratio Bl/√Re	3.35 N/√W
Ratio fs/Qts	146 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.6 Ω
Maximum impedance [Zo]	47.6 Ω
DC resistance [Re]	3.2 Ω
Voice coil inductance [Le]	0.5 mH

Power Handling	
100h RMS noise test (IEC 17.1)	80 W
Long-term max power (IEC 17.3)	150 W

Voice Coil & Magnet Data	
Voice coil diameter	42 mm
Voice coil height	8 mm
Voice coil layers	4
Height of gap	20 mm
Linear excursion	± 9 mm
Max mech. excursion	± 13 mm
Unit weight	1.7 kg

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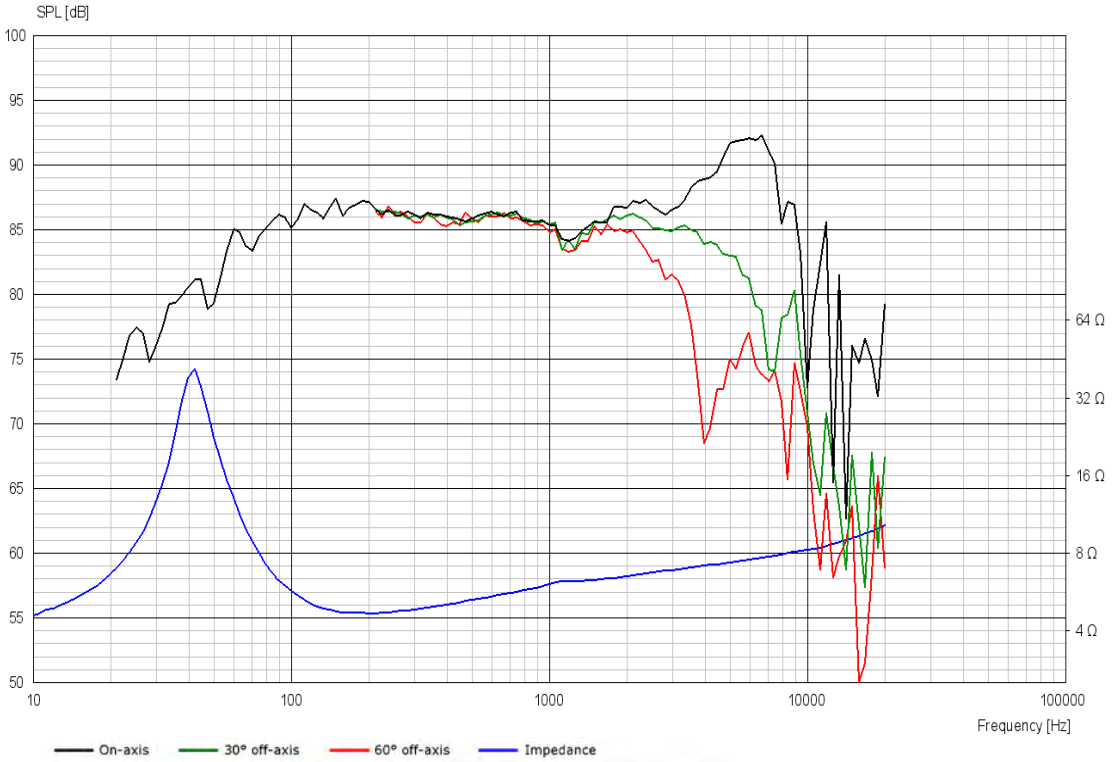
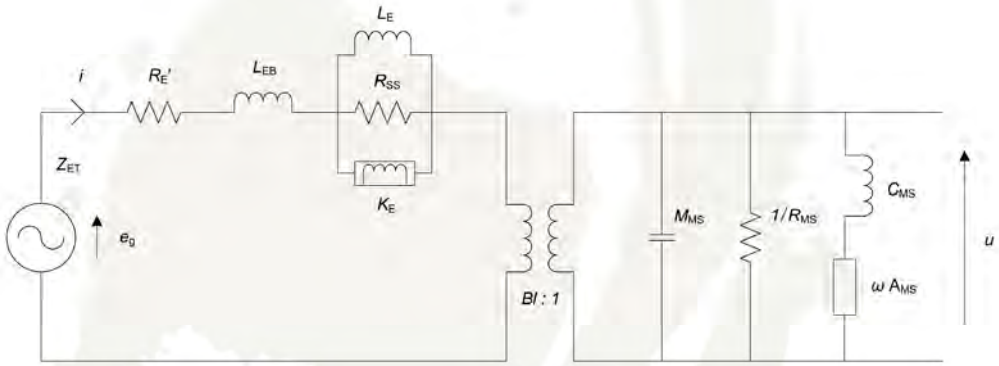


Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.25 Ω
Free inductance [Leb]	0.046 mH
Bound inductance [Le]	4.85 mH
Semi-inductance [Ke]	0.078 SH
Shunt resistance [Rss]	5 Ω

Mechanical Data	
Force Factor [Bl]	5.92 Tm
Moving mass [Mms]	14.1 g
Compliance [Cms]	1.30 mm/N
Mechanical resistance [Rms]	0.81 kg/s
Admittance [Ams]	0.22 mm/N

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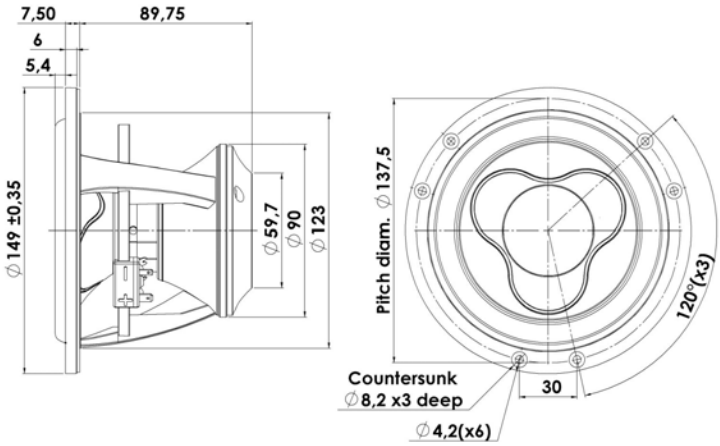

KEY FEATURES:

- Under-Hung Neodymium Motor Design
- Patented Sandwich Paper Cone
- Low-loss linear suspension
- Patented Symmetrical Drive (SD-3)
- Exceptionally Long Linear Excursion
- Patented Design

T-S Parameters	
Resonance frequency [fs]	35 Hz
Mechanical Q factor [Qms]	3.37
Electrical Q factor [Qes]	0.28
Total Q factor [Qts]	0.26
Force factor [Bl]	7.5 Tm
Mechanical resistance [Rms]	0.80 kg/s
Moving mass [Mms]	12.3 g
Compliance [Cms]	1.68 mm/N
Effective diaph. diameter [D]	108 mm
Effective piston area [Sd]	92 cm²
Equivalent volume [Vas]	19.9 l
Sensitivity (2.83V/1m)	83.4 dB
Ratio Bl/√Re	3.09 N/√W
Ratio fs/Qts	135 Hz

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	7.9 Ω
Maximum impedance [Zo]	76.9 Ω
DC resistance [Re]	5.9 Ω
Voice coil inductance [Le]	0.41 mH

Power Handling	
100h RMS noise test (IEC 17.1)	80 W
Long-term max power (IEC 17.3)	150 W

Voice Coil & Magnet Data	
Voice coil diameter	42 mm
Voice coil height	8 mm
Voice coil layers	4
Height of gap	20 mm
Linear excursion	± 9 mm
Max mech. excursion	± 13 mm
Unit weight	1.7 kg

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

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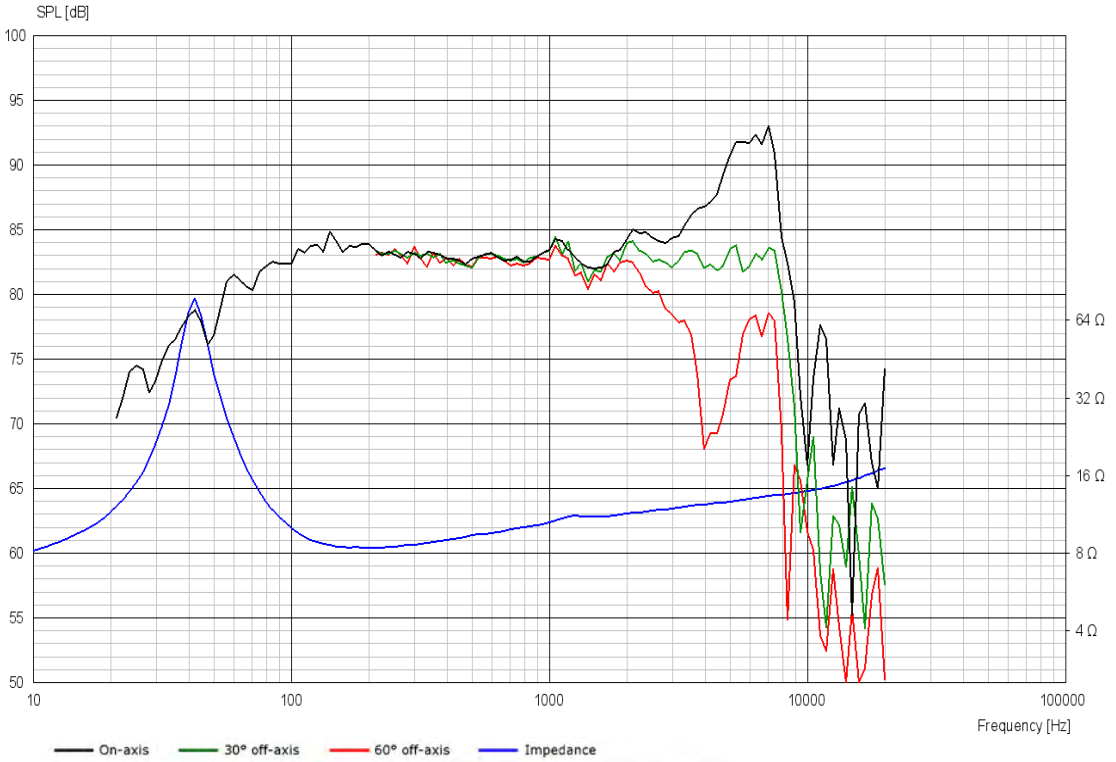
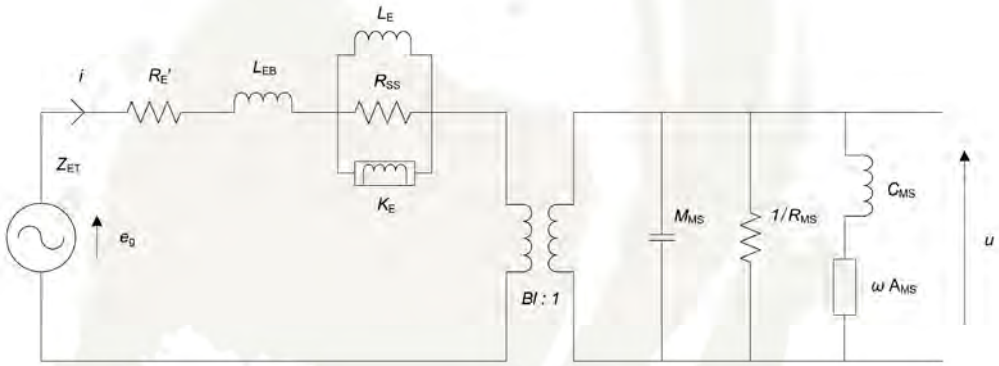


Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	6.42 Ω
Free inductance [Leb]	0.080 mH
Bound inductance [Le]	6.49 mH
Semi-inductance [Ke]	0.130 SH
Shunt resistance [Rss]	8 Ω

Mechanical Data	
Force Factor [Bl]	7.39 Tm
Moving mass [Mms]	14.1 g
Compliance [Cms]	1.34 mm/N
Mechanical resistance [Rms]	0.79 kg/s
Admittance [Ams]	0.23 mm/N

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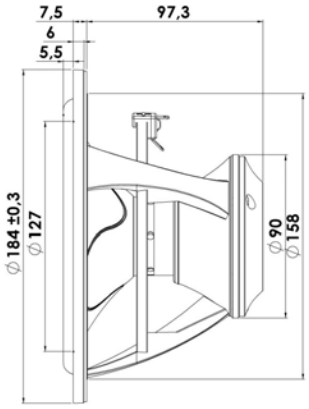

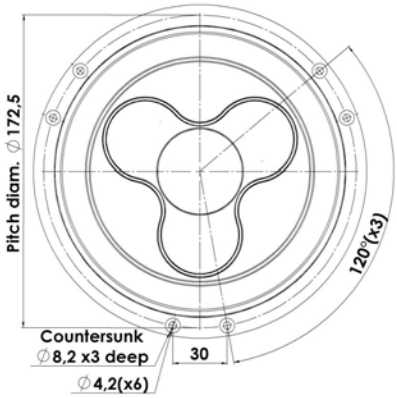

KEY FEATURES:

- Under-Hung Neodymium Motor Design
- Patented Sandwich Paper Cone
- Low-Loss linear suspension
- Patented Symmetrical Drive (SD-3)
- Exceptionally Long Linear Excursion
- Patented Design

T-S Parameters	
Resonance frequency [fs]	30 Hz
Mechanical Q factor [Qms]	3.56
Electrical Q factor [Qes]	0.32
Total Q factor [Qts]	0.29
Force factor [Bl]	6 Tm
Mechanical resistance [Rms]	1.00 kg/s
Moving mass [Mms]	18.9 g
Compliance [Cms]	1.49 mm/N
Effective diaph. diameter [D]	140 mm
Effective piston area [Sd]	154 cm²
Equivalent volume [Vas]	49.4 l
Sensitivity (2.83V/1m)	87.2 dB
Ratio Bl/√Re	3.35 N/√W
Ratio fs/Qts	102 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: March 27, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.5 Ω
Maximum impedance [Zo]	38.8 Ω
DC resistance [Re]	3.2 Ω
Voice coil inductance [Le]	0.5 mH

Power Handling	
100h RMS noise test (IEC 17.1)	80 W
Long-term max power (IEC 17.3)	150 W

Voice Coil & Magnet Data	
Voice coil diameter	42 mm
Voice coil height	8 mm
Voice coil layers	4
Height of gap	20 mm
Linear excursion	± 9 mm
Max mech. excursion	± 16 mm
Unit weight	1.7 kg

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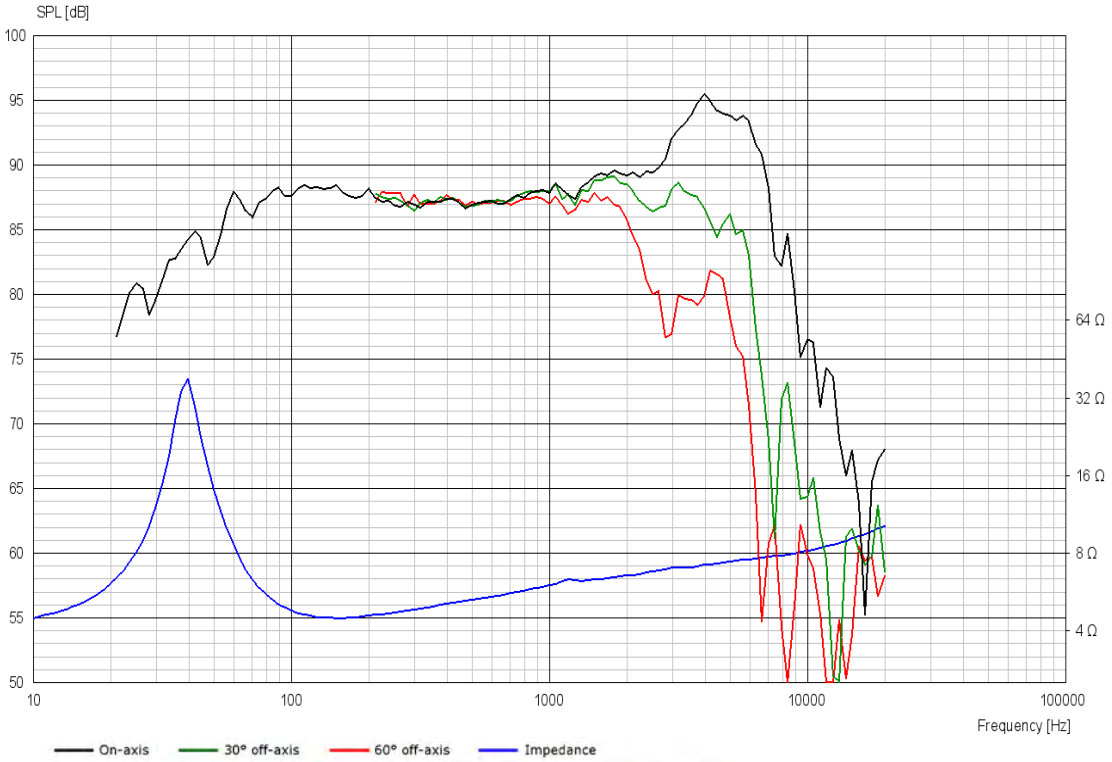
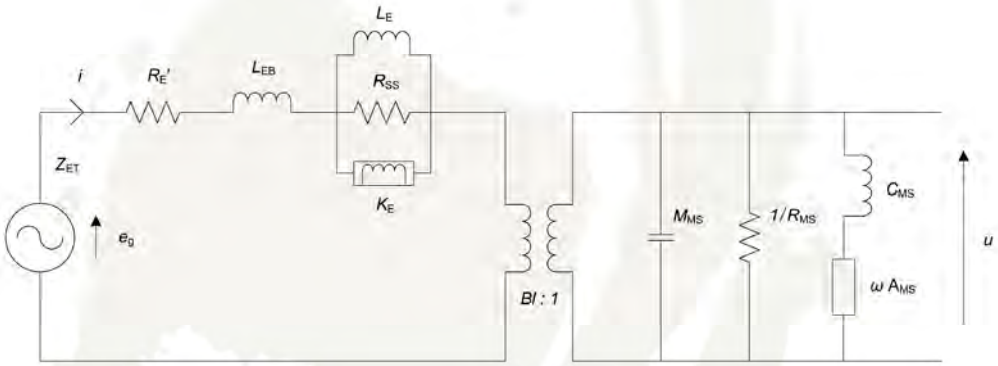
ILLUMINATOR

MIDWOOFER 18WU/4741T00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.34 Ω
Free inductance [Leb]	0.0465 mH
Bound inductance [Le]	4.01 mH
Semi-inductance [Ke]	0.0775 SH
Shunt resistance [Rss]	4.79 Ω

Mechanical Data	
Force Factor [Bl]	5.91 Tm
Moving mass [Mms]	19.1 g
Compliance [Cms]	0.814 mm/N
Mechanical resistance [Rms]	1.08 kg/s
Admittance [Ams]	0.142 mm/N

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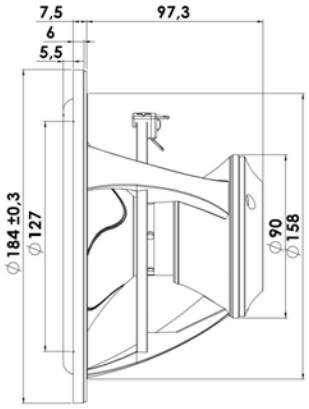

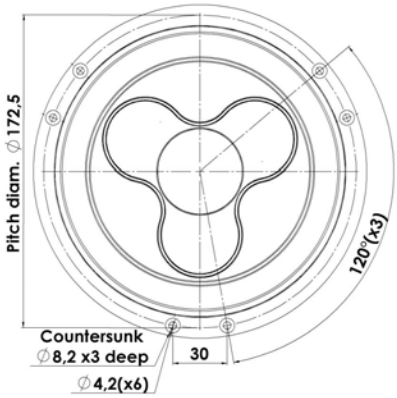

KEY FEATURES:

- Under-Hung Neodymium Motor Design
- Patented Sandwich Paper Cone
- Low-Loss linear suspension
- Patented Symmetrical Drive (SD-3)
- Exceptionally Long Linear Excursion
- Patented Design

T-S Parameters	
Resonance frequency [fs]	31 Hz
Mechanical Q factor [Qms]	3.51
Electrical Q factor [Qes]	0.37
Total Q factor [Qts]	0.33
Force factor [Bl]	7.5 Tm
Mechanical resistance [Rms]	1.00 kg/s
Moving mass [Mms]	18 g
Compliance [Cms]	1.46 mm/N
Effective diaph. diameter [D]	140 mm
Effective piston area [Sd]	154 cm²
Equivalent volume [Vas]	48.6 l
Sensitivity (2.83V/1m)	85.4 dB
Ratio Bl/√Re	3.09 N/√W
Ratio fs/Qts	93 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: March 27, 2013.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	7.5 Ω
Maximum impedance [Zo]	61.9 Ω
DC resistance [Re]	5.9 Ω
Voice coil inductance [Le]	0.41 mH

Power Handling	
100h RMS noise test (IEC 17.1)	80 W
Long-term max power (IEC 17.3)	150 W

Voice Coil & Magnet Data	
Voice coil diameter	42 mm
Voice coil height	8 mm
Voice coil layers	4
Height of gap	20 mm
Linear excursion	± 9 mm
Max mech. excursion	± 16 mm
Unit weight	1.7 kg

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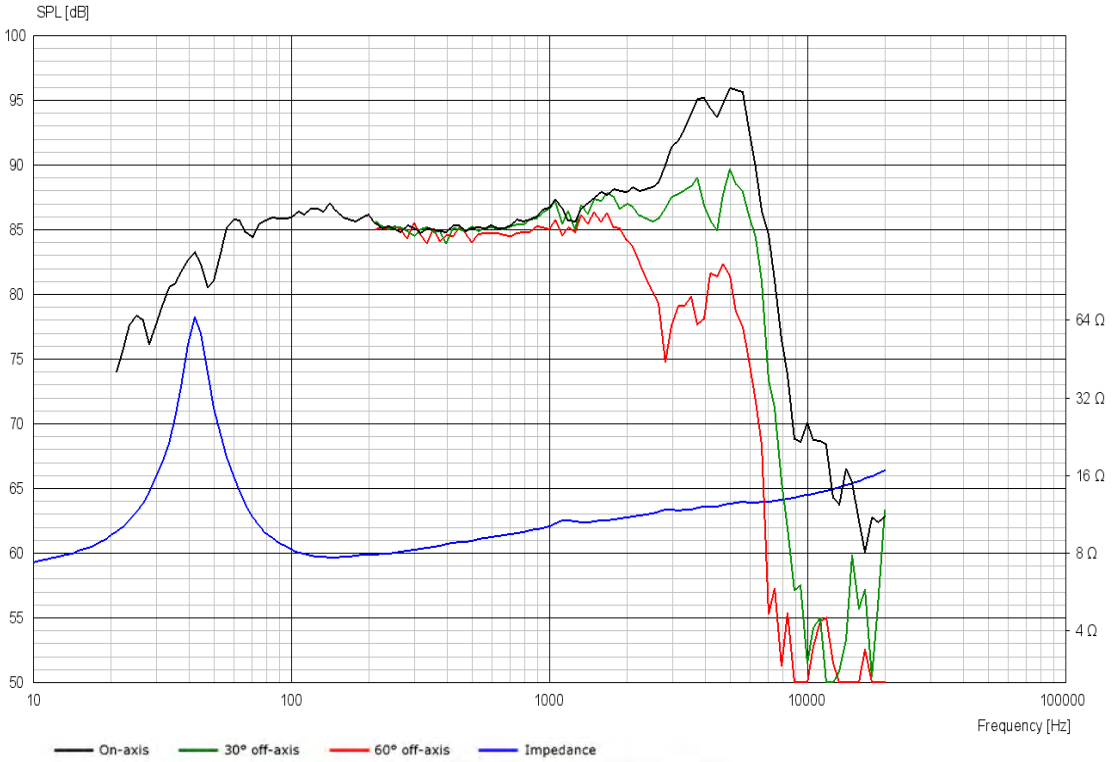
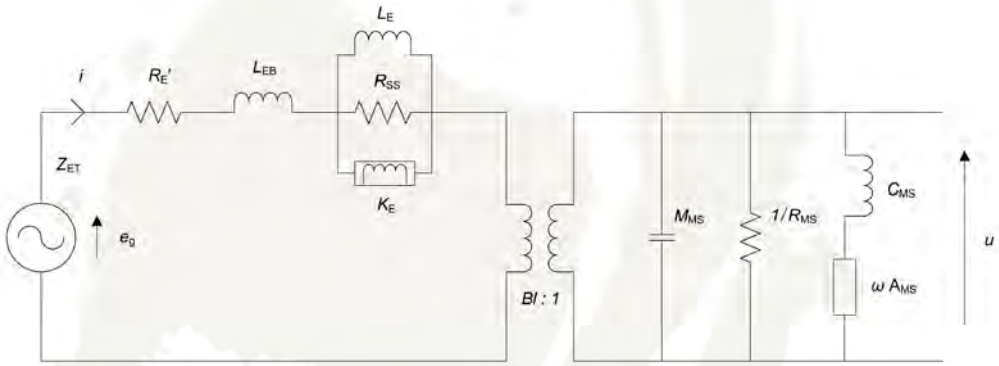
ILLUMINATOR

MIDWOOFER 18WU/8741T00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	5.92 Ω
Free inductance [Leb]	0.0765 mH
Bound inductance [Le]	6.28 mH
Semi-inductance [Ke]	0.124 SH
Shunt resistance [Rss]	7.47 Ω

Mechanical Data	
Force Factor [Bl]	7.25 Tm
Moving mass [Mms]	19.0 g
Compliance [Cms]	1.04 mm/N
Mechanical resistance [Rms]	0.955 kg/s
Admittance [Ams]	0.200 mm/N

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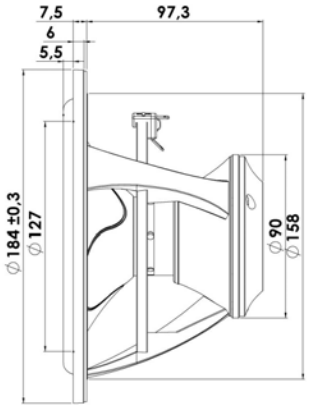
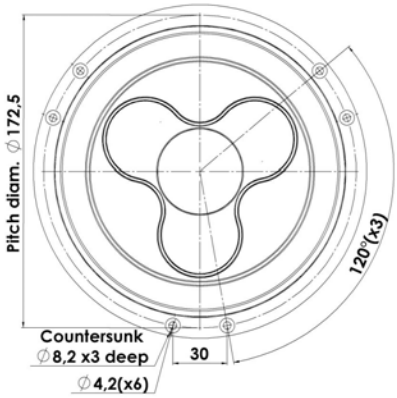
ILLUMINATOR

WOOFER 18WU/4747T00

The Illuminator woofers are in every aspect unusual designs with the open construction, the extremely long linear excursion and patented under-hung SD-3 (Symmetrical Drive) neodymium motor system, which due to copper caps and its construction ensures very low distortion, adding the unique patented cones, low-loss linear suspension the result is: "The Very Best Money Can Buy"!





KEY FEATURES:

- Under-Hung Neodymium Motor Design
- Black Anodized Alu. Cone
- Low-Loss linear suspension
- Patented Symmetrical Drive (SD-3)
- Exceptionally Long Linear Excursion
- Patented Design

T-S Parameters	
Resonance frequency [fs]	32 Hz
Mechanical Q factor [Qms]	3.42
Electrical Q factor [Qes]	0.30
Total Q factor [Qts]	0.28
Force factor [Bl]	6 Tm
Mechanical resistance [Rms]	1.00 kg/s
Moving mass [Mms]	17 g
Compliance [Cms]	1.46 mm/N
Effective diaph. diameter [D]	140 mm
Effective piston area [Sd]	154 cm²
Equivalent volume [Vas]	48.3 l
Sensitivity (2.83V/1m)	88.1 dB
Ratio Bl/√Re	3.35 N/√W
Ratio fs/Qts	116 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.6 Ω
Maximum impedance [Zo]	39.7 Ω
DC resistance [Re]	3.2 Ω
Voice coil inductance [Le]	0.39 mH

Power Handling	
100h RMS noise test (IEC 17.1)	80 W
Long-term max power (IEC 17.3)	150 W

Voice Coil & Magnet Data	
Voice coil diameter	42 mm
Voice coil height	8 mm
Voice coil layers	4
Height of gap	20 mm
Linear excursion	± 9 mm
Max mech. excursion	± 16 mm
Unit weight	1.7 kg

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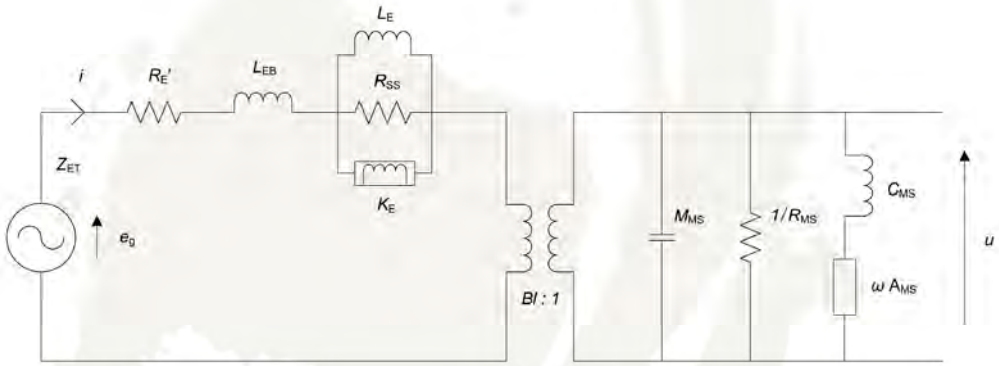
ILLUMINATOR

WOOFER 18WU/4747T00

Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.51 Ω
Free inductance [Leb]	0.047 mH
Bound inductance [Le]	4.72 mH
Semi-inductance [Ke]	0.077 SH
Shunt resistance [Rss]	5 Ω

Mechanical Data	
Force Factor [Bl]	6.00 Tm
Moving mass [Mms]	18.4 g
Compliance [Cms]	0.84 mm/N
Mechanical resistance [Rms]	1.11 kg/s
Admittance [Ams]	0.15 mm/N

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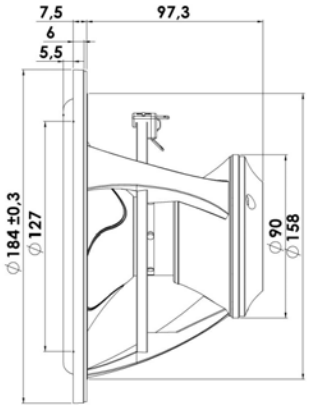
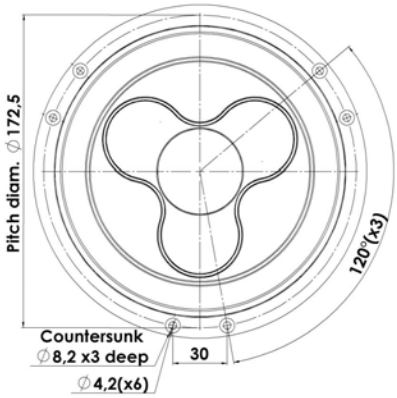
ILLUMINATOR

WOOFER 18WU/8747T00

The Illuminator woofers are in every aspect unusual designs with the open construction, the extremely long linear excursion and patented under-hung SD-3 (Symmetrical Drive) neodymium motor system, which due to copper caps and its construction ensures very low distortion, adding the unique patented cones, low-loss linear suspension the result is: "The Very Best Money Can Buy"!





KEY FEATURES:

- Under-Hung Neodymium Motor Design
- Black Anodized Alu. Cone
- Low-Loss linear suspension
- Patented Symmetrical Drive (SD-3)
- Exceptionally Long Linear Excursion
- Patented Design

T-S Parameters	
Resonance frequency [fs]	33 Hz
Mechanical Q factor [Qms]	3.31
Electrical Q factor [Qes]	0.35
Total Q factor [Qts]	0.32
Force factor [Bl]	7.5 Tm
Mechanical resistance [Rms]	1.00 kg/s
Moving mass [Mms]	16 g
Compliance [Cms]	1.45 mm/N
Effective diaph. diameter [D]	140 mm
Effective piston area [Sd]	154 cm²
Equivalent volume [Vas]	48.3 l
Sensitivity (2.83V/1m)	85.5 dB
Ratio Bl/√Re	3.09 N/√W
Ratio fs/Qts	104 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	7.7 Ω
Maximum impedance [Zo]	61.7 Ω
DC resistance [Re]	5.9 Ω
Voice coil inductance [Le]	0.41 mH

Power Handling	
100h RMS noise test (IEC 17.1)	80 W
Long-term max power (IEC 17.3)	150 W

Voice Coil & Magnet Data	
Voice coil diameter	42 mm
Voice coil height	8 mm
Voice coil layers	4
Height of gap	20 mm
Linear excursion	± 9 mm
Max mech. excursion	± 16 mm
Unit weight	1.7 kg

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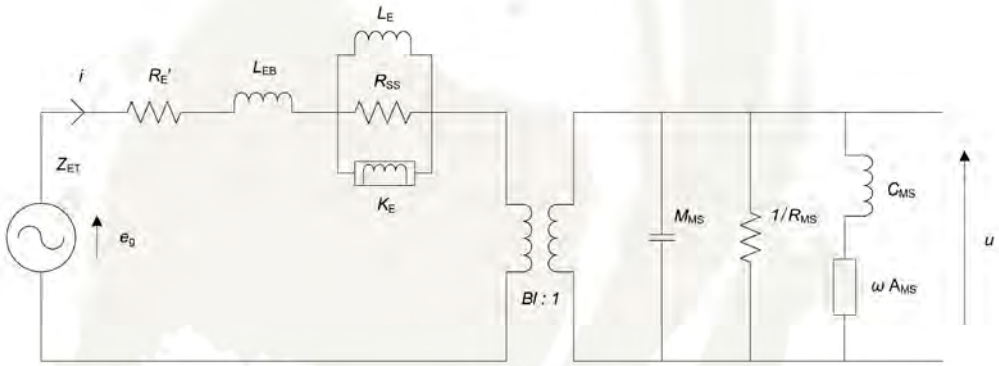
ILLUMINATOR

WOOFER 18WU/8747T00

Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	5.81 Ω
Free inductance [Leb]	0.074 mH
Bound inductance [Le]	6.57 mH
Semi-inductance [Ke]	0.113 SH
Shunt resistance [Rss]	7 Ω

Mechanical Data	
Force Factor [Bl]	7.09 Tm
Moving mass [Mms]	17.3 g
Compliance [Cms]	0.81 mm/N
Mechanical resistance [Rms]	1.00 kg/s
Admittance [Ams]	0.14 mm/N

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REVELATOR

The Revelator family of drivers - tweeters, midwoofers, and subwoofers - has represented the Scan-Speak's top-of-the-line collection for nearly two decades. It has consistently provided the best sounding products that money can buy.

The large roll surround technology represented a breakthrough in overall performance, with outstanding off-axis response, high output capability and low resonance frequency. Additional enhancements have been made to reduce distortion and power compression, such as large neodymium magnet systems for high sensitivity and a careful design to optimise airflow in the chambers.

The tweeter series consists of a popular dome design which has been attempted to be copied by other loudspeaker manufacturers. But no one has ever been as successful as the original Scan Speak design! The Revelator tweeter series also consists of the revolutionary ring radiator design, which put an end to some of the design trade-offs in dome designs. The ring radiator still offers unrivalled performance.

The Revelator series of midwoofers introduced the sliced paper cone technology which represented a breakthrough in midrange clarity and overall smooth frequency response characteristics. The slices are filled with damping glue which dramatically reduce break-up modes in the diaphragm.

The design of the Revelator sliced diaphragm has also been attempted to be copied. The lack of an application of damping to other designs keeps the copycats from providing a quality driver.

The Revelator series of woofers and subwoofers is the most recent addition to the series. Generally, it series provides much more cone excursion than previously available, a much more powerful magnet system and 2" voice coils with high power handling.

Among other features, the subwoofer design utilises a strong and stiff aluminium cone design resulting in an impressive transient response. The output is exceptionally true-to-life with an earthshaking bass that challenges the listener to tell the difference between the real thing and its reproduction.

REVELATOR OVERVIEW

Tweeters	Size [Inch.]	fs [Hz]	Re [Ω]	Qms	Qes	Qts	Sens. [dB]	VAS [l]	Bl [Tm]	Mms [g]	Xmax ± [mm]	VC dia. [mm]
D2904/710002	1	520	3	3.50	0.50	0.44	94.4	0.02	2.8	0.4	0.2	26
D2904/710003	1	520	3	3.50	0.50	0.44	94.4	0.02	2.8	0.4	0.2	26
D2905/990000	1	500	4.7	4.83	0.72	0.63	91	0.02	3.5	0.45	0.4	28
D2908/714000	1	534	5.7	7.3	0.50	0.47	92	0.02	3.6	0.33	0.2	26
R2904/700000	1	520	3	2.90	0.38	0.33	94.5	0.01	2.8	0.3	0.2	26
R2904/700005	1	520	3	2.90	0.38	0.33	94.5	0.01	2.8	0.3	0.2	26
R2904/700009	1	520	3	2.90	0.38	0.33	94.5	0.01	2.8	0.3	0.2	26

Midranges/Fullranges	Size [Inch.]	fs [Hz]	Re [Ω]	Qms	Qes	Qts	Sens. [dB]	VAS [l]	Bl [Tm]	Mms [g]	Xmax ± [mm]	VC dia. [mm]
12M/4631G00	4	75	3.2	5.57	0.35	0.33	89	2.3	5.3	6.5	3	38
15M/4531K00	5.5	35	3.5	4.80	0.24	0.23	90	23.8	6	11	3	38
18M/4631T00	6.5	65	3.5	5.65	0.67	0.60	92	14.0	5.6	14.3	3	38

Midwoofers	Size [Inch.]	fs [Hz]	Re [Ω]	Qms	Qes	Qts	Sens. [dB]	VAS [l]	Bl [Tm]	Mms [g]	Xmax ± [mm]	VC dia. [mm]
15W/4531G00	5.5	40	3.4	4.60	0.34	0.32	87	15.8	5.7	13	6.5	38
15W/8530K00	5.5	30	5.8	4.90	0.29	0.27	85.5	27.4	7	13	6.5	38
15W/8530K01	5.5	32	5.8	5.23	0.44	0.41	84.5	24.0	5.9	13	6.5	38
15W/8531K00	5.5	32	5.8	5.23	0.33	0.31	85.5	24.0	6.8	13	6.5	38
18W/4531G00	6.5	33	3.4	5.20	0.38	0.35	90	41.9	5.7	17.5	6.5	38
18W/4531G01	6.5	34	3.5	4.90	0.38	0.35	89	45.6	5.7	16.9	6.5	38
18W/8531G00	6.5	28	5.8	5.10	0.39	0.36	87	58.2	6.8	17.5	6.5	38

Woofers	Size [Inch.]	fs [Hz]	Re [Ω]	Qms	Qes	Qts	Sens. [dB]	VAS [l]	Bl [Tm]	Mms [g]	Xmax ± [mm]	VC dia. [mm]
22W/4851T00	8	21	3.7	5.20	0.23	0.22	89	126	8.2	32.5	9	50
22W/8851T00	8	21	6.2	5.10	0.26	0.25	88	126	9.9	31	9	50
22W/8857T00	8	23	6.2	4.90	0.32	0.30	86	87.7	10.1	37	9	50
26W/4867T00	10	18	3.7	5.80	0.31	0.29	89	220	8.3	51	9	50
26W/8861T00	10	19	6.2	5.20	0.33	0.31	88.5	231	9.9	43.5	9	50
26W/8867T00	10	19	5.8	4.50	0.31	0.29	87	176	11.2	57	9	50
32W/4878T01	13	23	3.1	6.0	0.30	0.28	92	170	13	112	7	75
32W/8878T01	13	19.1	6.1	5.69	0.35	0.33	89	234	15.6	114.8	7.5	75

Subwoofers	Size [Inch.]	fs [Hz]	Re [Ω]	Qms	Qes	Qts	Sens. [dB]	VAS [l]	Bl [Tm]	Mms [g]	Xmax ± [mm]	VC dia. [mm]
23W/4557T00	9	21	3.45	4.80	0.52	0.47	82	45.0	9.3	101	13	50
23W/4557T02	9	21	3.45	4.80	0.52	0.47	82	45.0	9.3	101	13	50
32W/4878T00	13	18	3.1	7	0.33	0.32	90	203.9	12.5	150	14	75

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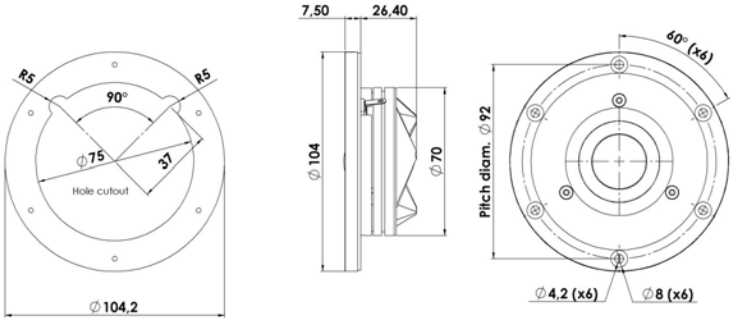
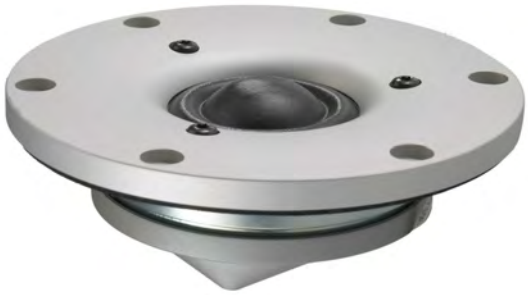
REVELATOR

TWEETER D2904/710002

The Revelator Tweeters large roll surround technology represents a breakthrough in overall performance, with outstanding off-axis response, high output capability and low resonance frequency. Additional enhancements have been made to reduce distortion and power compression, such as large neodymium magnet systems for high sensitivity, and a careful design to optimise airflow in the chambers.





KEY FEATURES:

- 1" Coated Textile Diaphragm
- Patented Symmetrical Drive (SD-2) motor
- Non Resonant Alu Rear Chamber
- Large Roll Surround f. Wide Dispersion
- Large Ring Neo Magnet f. High Output
- Silver Anodized Machined Alu Face Plate

T-S Parameters	
Resonance frequency [fs]	520 Hz
Mechanical Q factor [Qms]	3.50
Electrical Q factor [Qes]	0.50
Total Q factor [Qts]	0.44
Force factor [Bl]	2.8 Tm
Mechanical resistance [Rms]	0.37 kg/s
Moving mass [Mms]	0.4 g
Compliance [Cms]	0.23 mm/N
Effective diaph. diameter [D]	30 mm
Effective piston area [Sd]	7 cm²
Equivalent volume [Vas]	0.02 l
Sensitivity (2.83V/1m)	94.4 dB
Ratio Bl/√Re	1.62 N/√W
Ratio fs/Qts	1189 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.7 Ω
Maximum impedance [Zo]	24.0 Ω
DC resistance [Re]	3 Ω
Voice coil inductance [Le]	0.01 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	90 W
Long-term max power (IEC 17.3)*	150 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	2.1 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.4 kg

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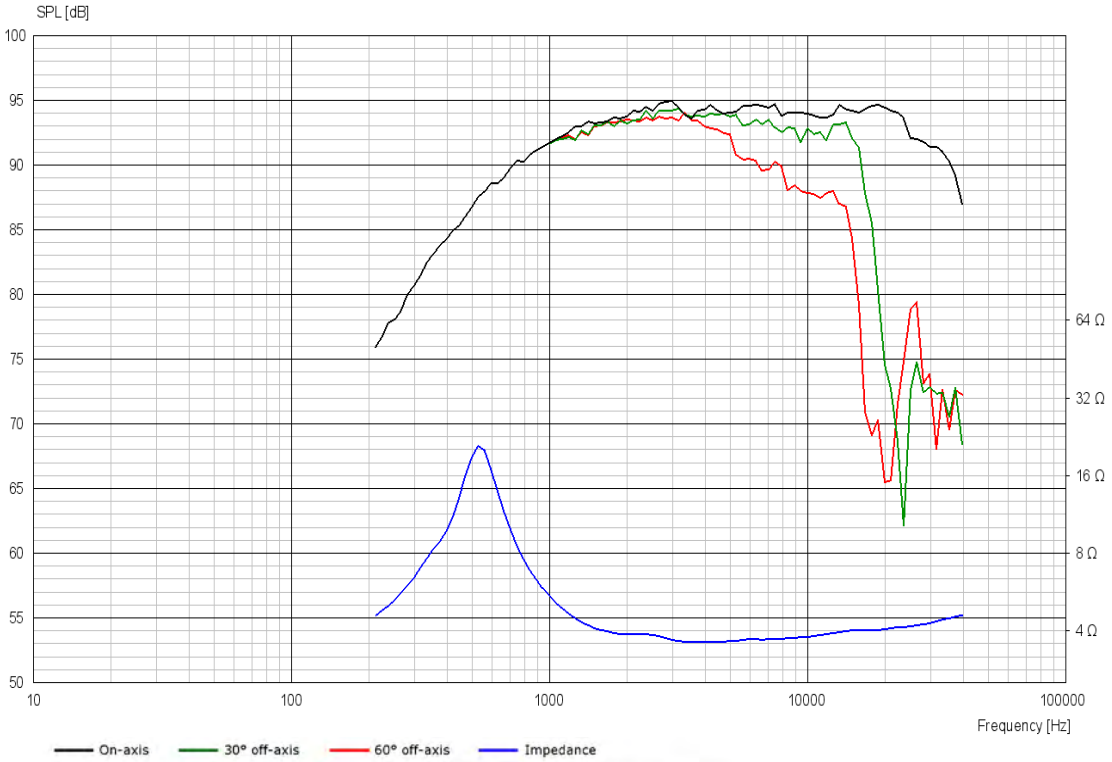
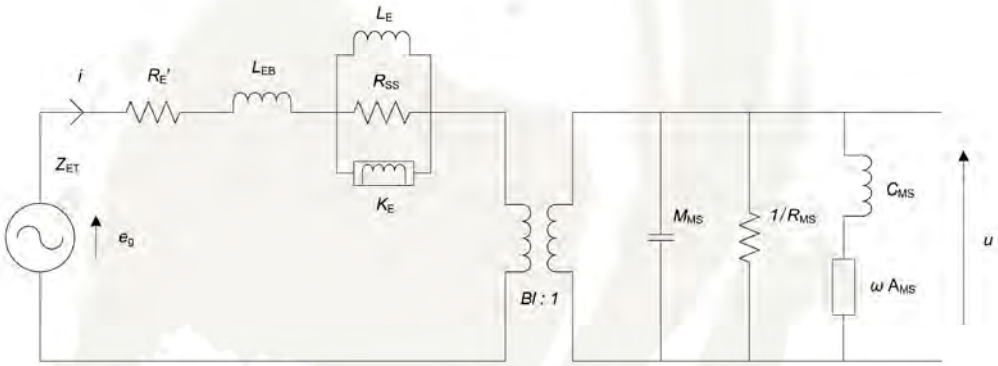
REVELATOR

TWEETER D2904/710002



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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REVELATOR

TWEETER D2904/710003

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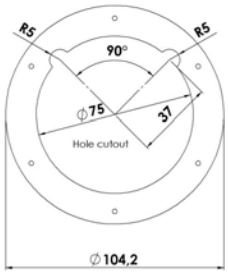

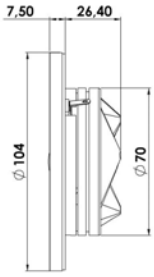

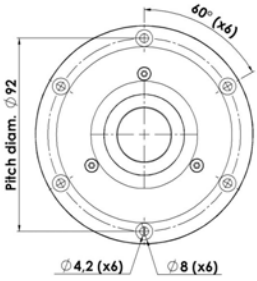

KEY FEATURES:

- 1" Coated Textile Diaphragm
- Patented Symmetrical Drive (SD-2) motor
- Non Resonant Alu Rear Chamber
- Large Roll Surround f. Wide Dispersion
- Large Ring Neo Magnet f. High Output
- Black Anodized Machined Alu Face Plate

T-S Parameters	
Resonance frequency [fs]	520 Hz
Mechanical Q factor [Qms]	3.50
Electrical Q factor [Qes]	0.50
Total Q factor [Qts]	0.44
Force factor [Bl]	2.8 Tm
Mechanical resistance [Rms]	0.37 kg/s
Moving mass [Mms]	0.4 g
Compliance [Cms]	0.23 mm/N
Effective diaph. diameter [D]	30 mm
Effective piston area [Sd]	7 cm²
Equivalent volume [Vas]	0.02 l
Sensitivity (2.83V/1m)	94.4 dB
Ratio Bl/√Re	1.62 N/√W
Ratio fs/Qts	1189 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
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Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.7 Ω
Maximum impedance [Zo]	24.0 Ω
DC resistance [Re]	3 Ω
Voice coil inductance [Le]	0.01 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	90 W
Long-term max power (IEC 17.3)*	150 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	2.4 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.4 kg

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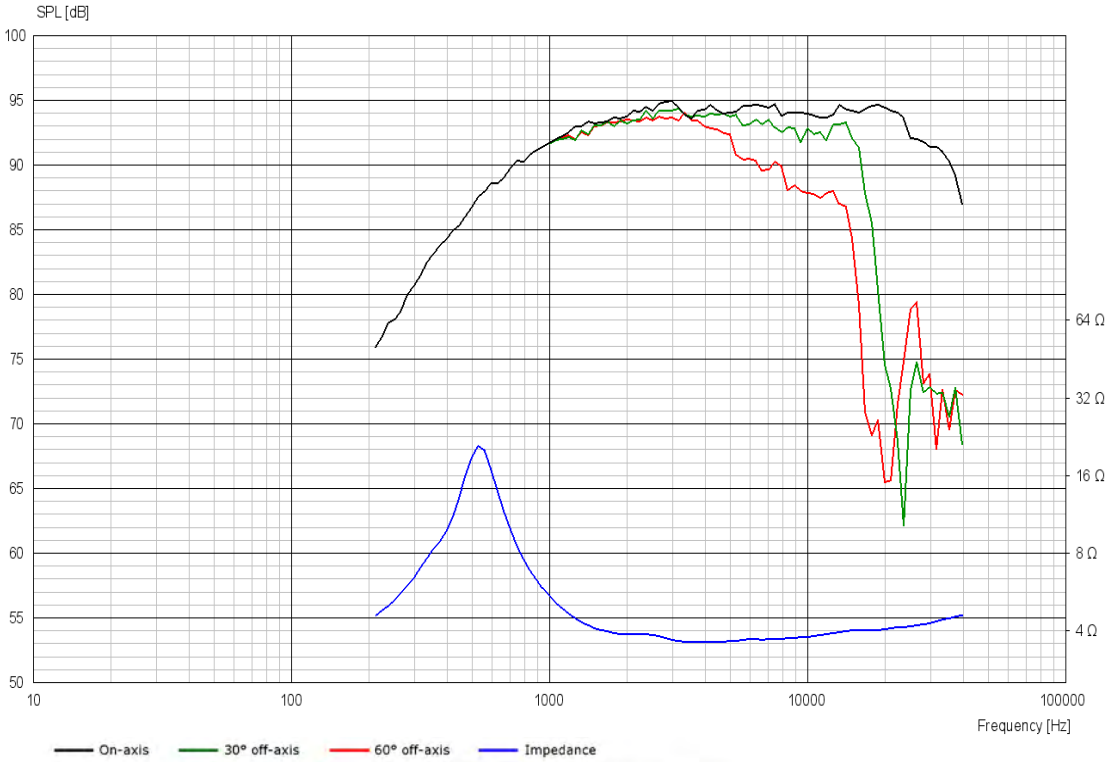
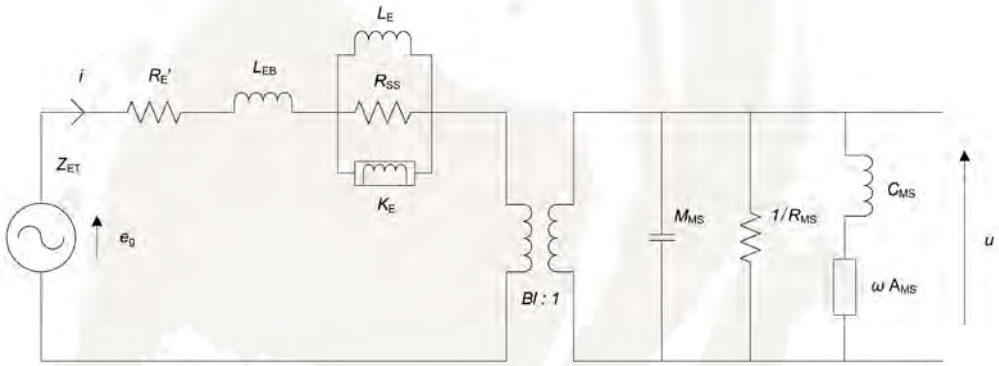
REVELATOR

TWEETER D2904/710003



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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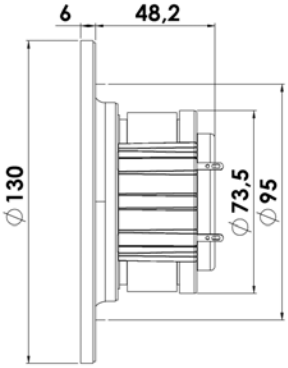
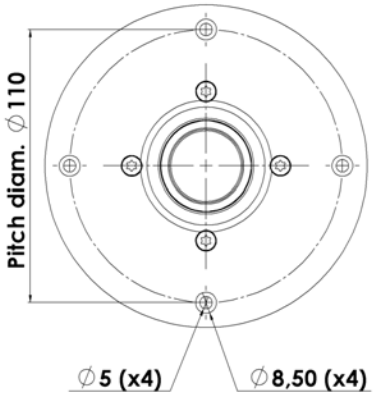
REVELATOR

TWEETER D2905/990000

D2905/990000 - The original Revelator tweeter - is build on the heritage of our successful Classic tweeters, continuing with Symmetrical Drive (SD-2) motor design which includes copper caps, the non resonant chamber and the special treated textile 29mm dome and further optimized optimized for the ultimate performance utilizing a large machined aluminium wave guide front.





KEY FEATURES:

- Excellent Sound Reproduction
- Patented Symmetrical Drive (SD-2) motor
- Large Wave Guide Front
- 1" Textile Dome Diaphragm
- Wide Surround Textile Diaphragm
- Black Anodized Mashined Alu Face Plate

T-S Parameters	
Resonance frequency [fs]	500 Hz
Mechanical Q factor [Qms]	4.83
Electrical Q factor [Qes]	0.72
Total Q factor [Qts]	0.63
Force factor [Bl]	3.5 Tm
Mechanical resistance [Rms]	0.29 kg/s
Moving mass [Mms]	0.45 g
Compliance [Cms]	0.23 mm/N
Effective diaph. diameter [D]	33 mm
Effective piston area [Sd]	8.5 cm²
Equivalent volume [Vas]	0.02 l
Sensitivity (2.83V/1m)	91 dB
Ratio Bl/√Re	1.61 N/√W
Ratio fs/Qts	795 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 22, 2014.

Electrical Data	
Nominal impedance [Zn]	6 Ω
Minimum impedance [Zmin]	5.6 Ω
Maximum impedance [Zo]	36.1 Ω
DC resistance [Re]	4.7 Ω
Voice coil inductance [Le]	0.01 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	225 W
Long-term max power (IEC 17.3)*	430 W

*Filter: 2. order HP Butterworth, 2.8 kHz

Voice Coil & Magnet Data	
Voice coil diameter	28 mm
Voice coil height	3.3 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.4 mm
Max mech. excursion	± 1.5 mm
Unit weight	0.8 kg

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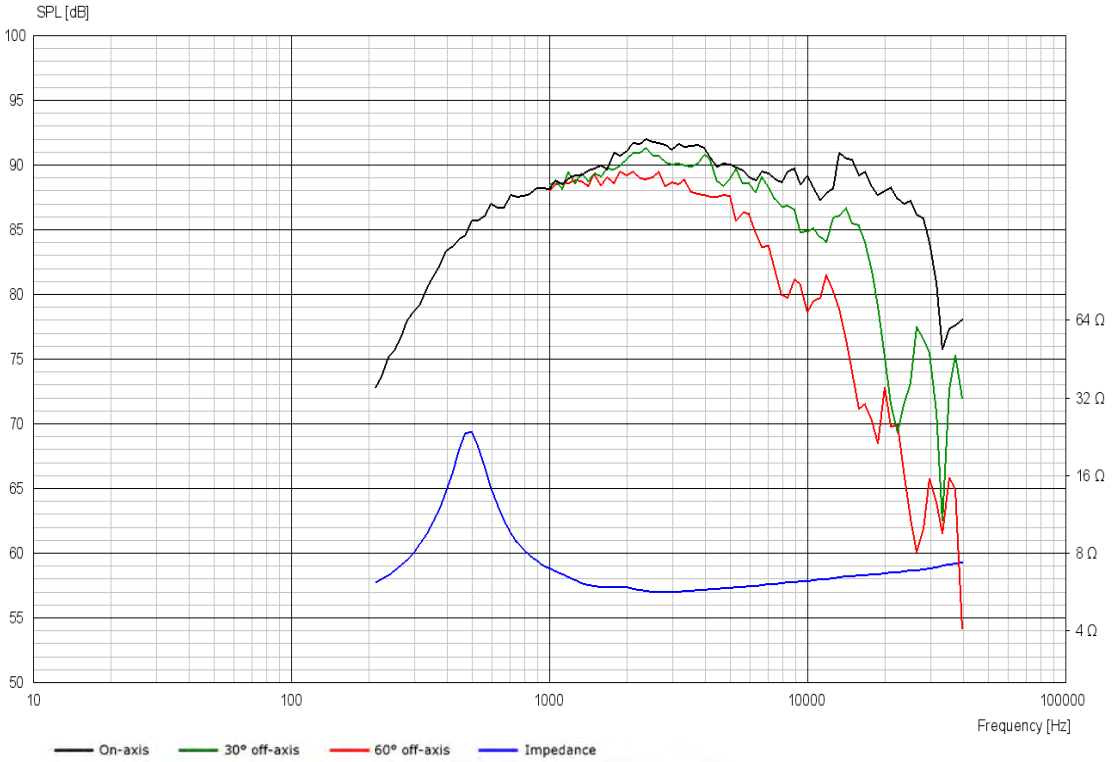
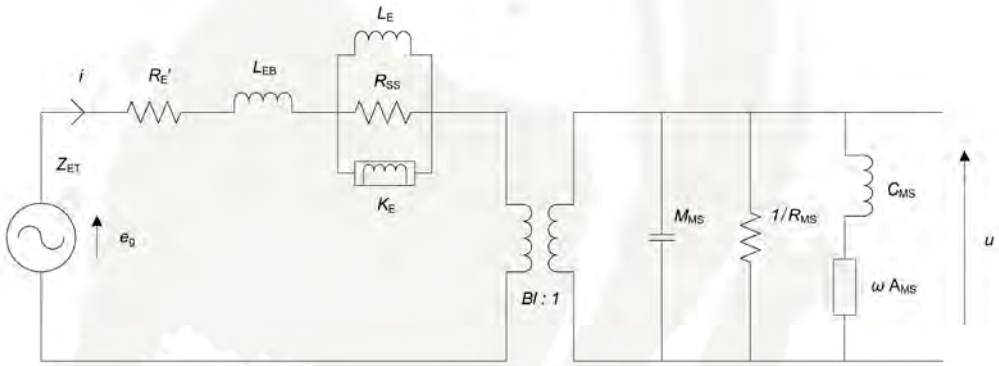
REVELATOR

TWEETER D2905/990000



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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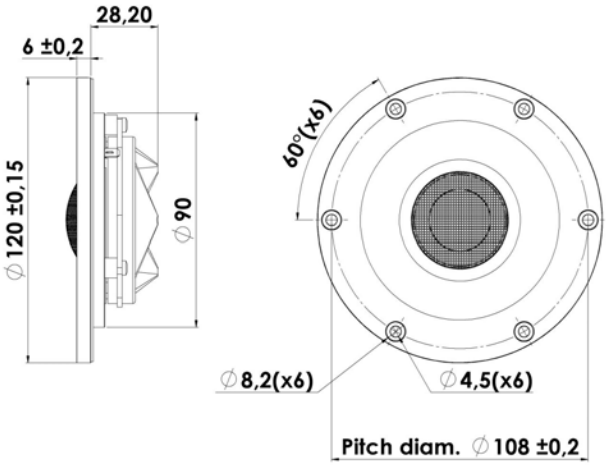
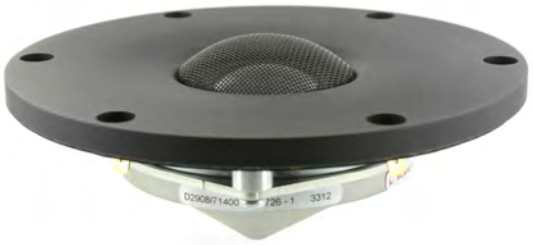
REVELATOR

TWEETER D2908/714000

D2908/714000 is a highly efficient and high-power 8 ohm 1" beryllium dome tweeter, it reproduces music clean and clear at all listening levels with dynamic precision and a superb vocal rendition as when recorded. The smooth machined alu faceplate and the acoustical very transparent wire-mesh protection grille not only represent a beautiful appearance is also allows the sound to be dispersed free and undistorted to the listener.





KEY FEATURES:

- Beryllium Diaphragm (99% Pure Be)
- Patented Symmetrical Drive (SD-2) motor
- Black Anodized Ø120mm Machined Alu Faceplate
- Rear Mount Magnet System
- Titanium Voice Coil Former
- Non Resonant Aluminium Rear Chamber

T-S Parameters	
Resonance frequency [fs]	534 Hz
Mechanical Q factor [Qms]	7.3
Electrical Q factor [Qes]	0.50
Total Q factor [Qts]	0.47
Force factor [Bl]	3.6 Tm
Mechanical resistance [Rms]	0.15 kg/s
Moving mass [Mms]	0.33 g
Compliance [Cms]	0.26 mm/N
Effective diaph. diameter [D]	30 mm
Effective piston area [Sd]	7 cm²
Equivalent volume [Vas]	0.02 l
Sensitivity (2.83V/1m)	92 dB
Ratio Bl/√Re	1.5 N/√W
Ratio fs/Qts	1136 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: 03.10.2012

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.5 Ω
Maximum impedance [Zo]	90 Ω
DC resistance [Re]	5.7 Ω
Voice coil inductance [Le]	0.02 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	160 W
Long-term max power (IEC 17.3)*	200 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	2.1 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.5 kg

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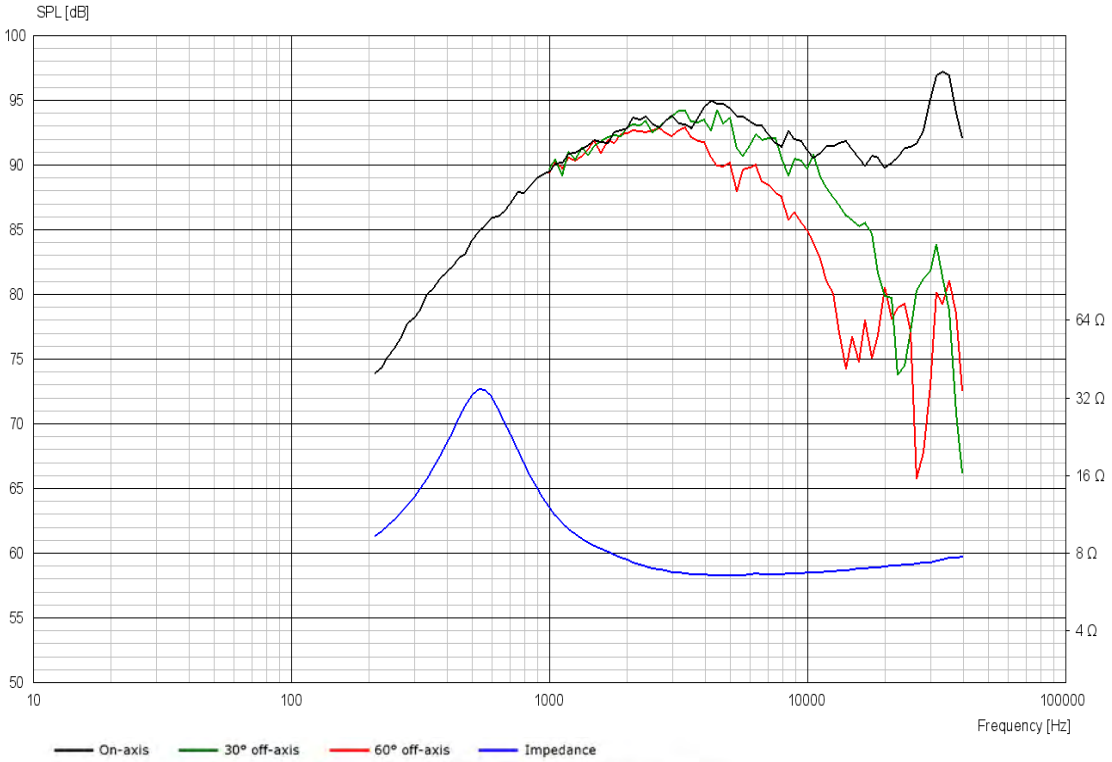
REVELATOR

TWEETER D2908/714000



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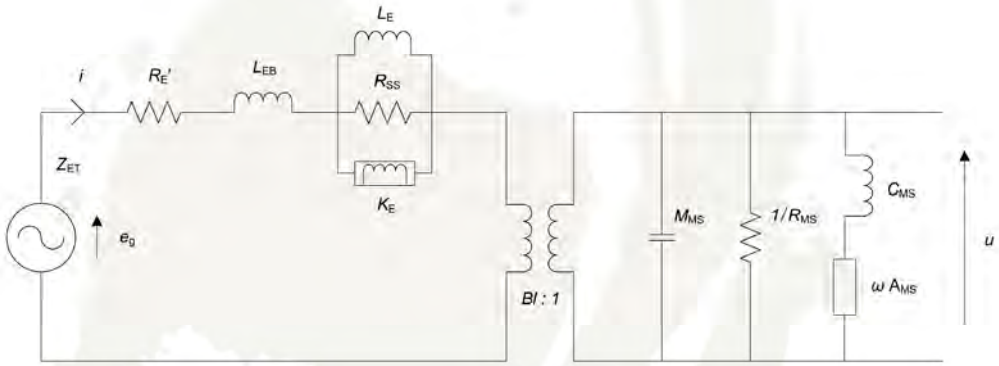

Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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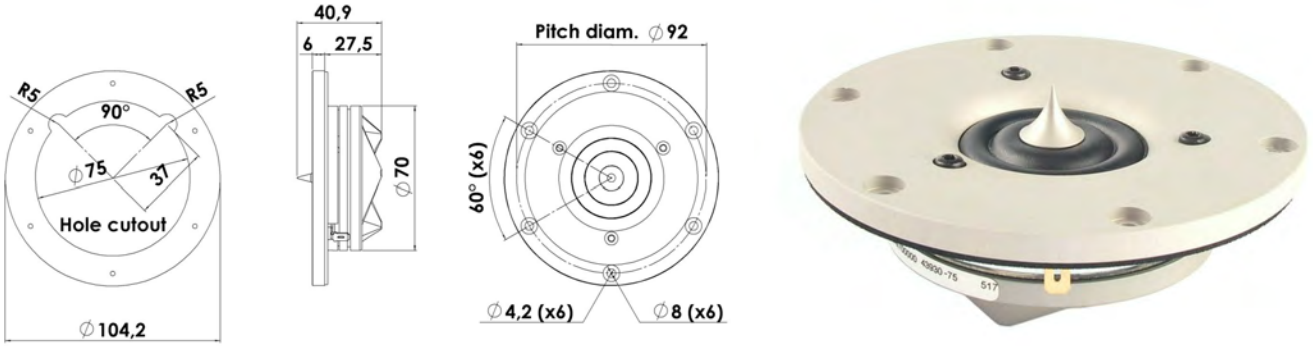
REVELATOR

TWEETER R2904/700000

The Revelator tweeter series consist of the revolutionary ring radiator design, which put an end to some of the design trade-offs in dome designs. The ring radiator still offers unrivalled performance. Additional enhancements have been made to reduce distortion and power compression, such as large neodymium magnet systems for high sensitivity, and a careful design to optimize airflow in the chambers.



KEY FEATURES:

- 1" Ring Dome Diaphragm
- Patented Symmetrical Drive (SD-2) motor
- Non Resonant Alu Rear Chamber
- Patented Phase Plug Design
- Large Ring Neo Magnet f. High Output
- Silver Anodized Mashined Alu Face Plate

T-S Parameters	
Resonance frequency [fs]	520 Hz
Mechanical Q factor [Qms]	2.90
Electrical Q factor [Qes]	0.38
Total Q factor [Qts]	0.33
Force factor [Bl]	2.8 Tm
Mechanical resistance [Rms]	0.34 kg/s
Moving mass [Mms]	0.3 g
Compliance [Cms]	0.31 mm/N
Effective diaph. diameter [D]	27 mm
Effective piston area [Sd]	5.6 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	94.5 dB
Ratio Bl/√Re	1.62 N/√W
Ratio fs/Qts	1566 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.7 Ω
Maximum impedance [Zo]	26.2 Ω
DC resistance [Re]	3 Ω
Voice coil inductance [Le]	0.01 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	160 W
Long-term max power (IEC 17.3)*	210 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	2.1 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.4 kg

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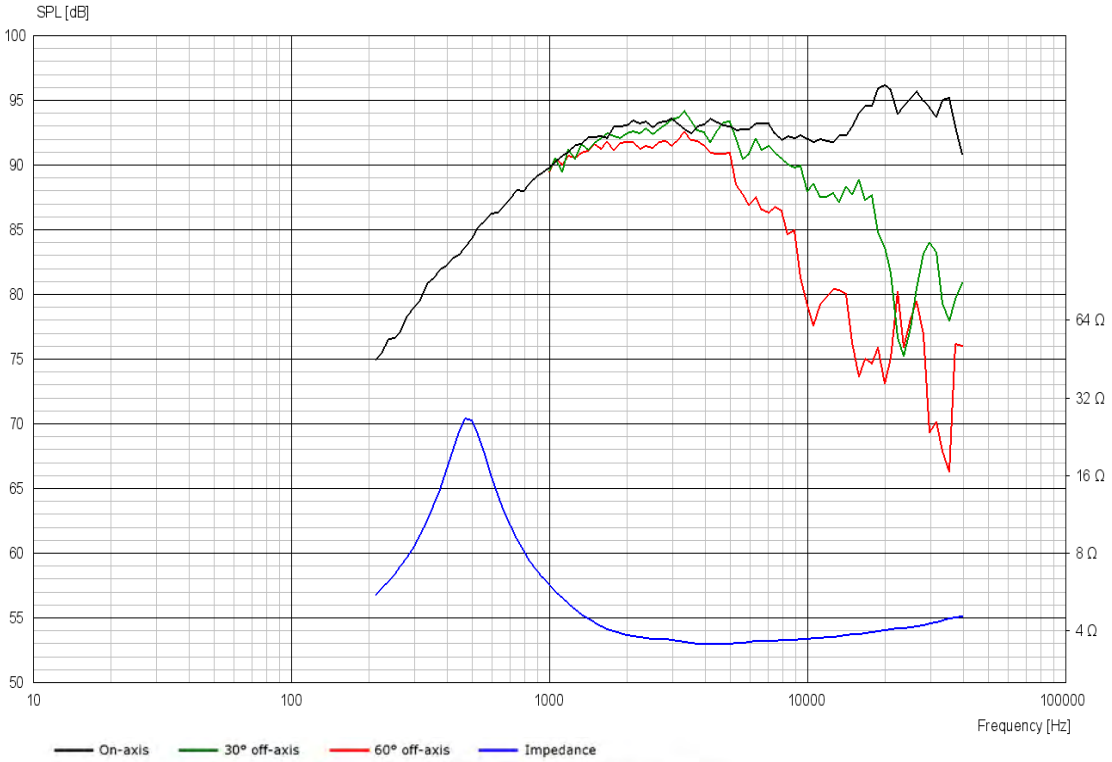
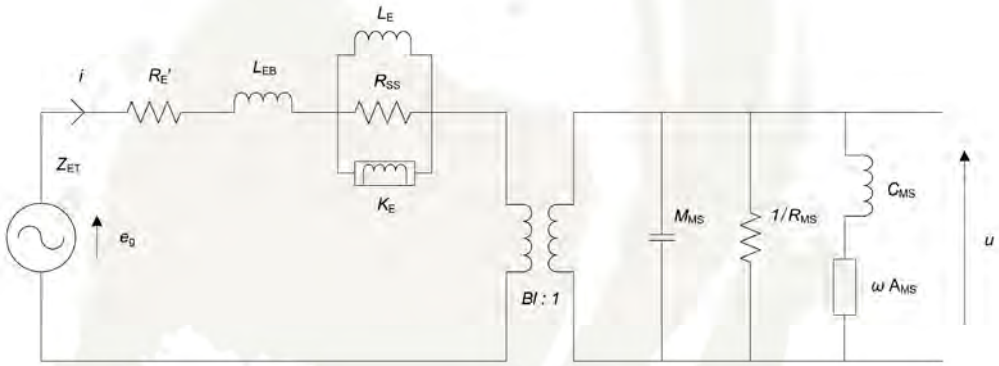
REVELATOR

TWEETER R2904/700000



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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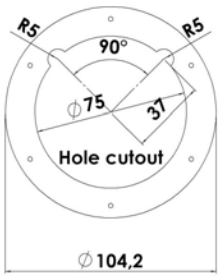
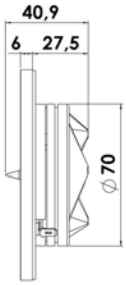
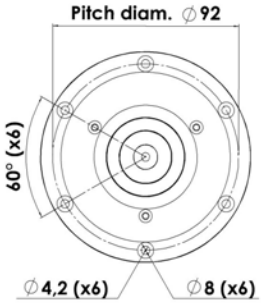
REVELATOR

TWEETER R2904/700005

The Revelator tweeter series consist of the revolutionary ring radiator design, which put an end to some of the design trade-offs in dome designs. The ring radiator still offers unrivalled performance. Additional enhancements have been made to reduce distortion and power compression, such as large neodymium magnet systems for high sensitivity, and a careful design to optimize airflow in the chambers.







KEY FEATURES:

- 1" Ring Dome Diaphragm
- Patented Symmetrical Drive (SD-2) motor
- Non Resonant Alu Rear Chamber
- Patented Phase Plug Design
- Large Ring Neo Magnet f. High Output
- Black Anodized Machined Alu Face Plate

T-S Parameters	
Resonance frequency [fs]	520 Hz
Mechanical Q factor [Qms]	2.90
Electrical Q factor [Qes]	0.38
Total Q factor [Qts]	0.33
Force factor [Bl]	2.8 Tm
Mechanical resistance [Rms]	0.34 kg/s
Moving mass [Mms]	0.3 g
Compliance [Cms]	0.31 mm/N
Effective diaph. diameter [D]	27 mm
Effective piston area [Sd]	5.6 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	94.5 dB
Ratio Bl/√Re	1.62 N/√W
Ratio fs/Qts	1566 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.7 Ω
Maximum impedance [Zo]	26.2 Ω
DC resistance [Re]	3 Ω
Voice coil inductance [Le]	0.01 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	160 W
Long-term max power (IEC 17.3)*	210 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	2.1 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.4 kg

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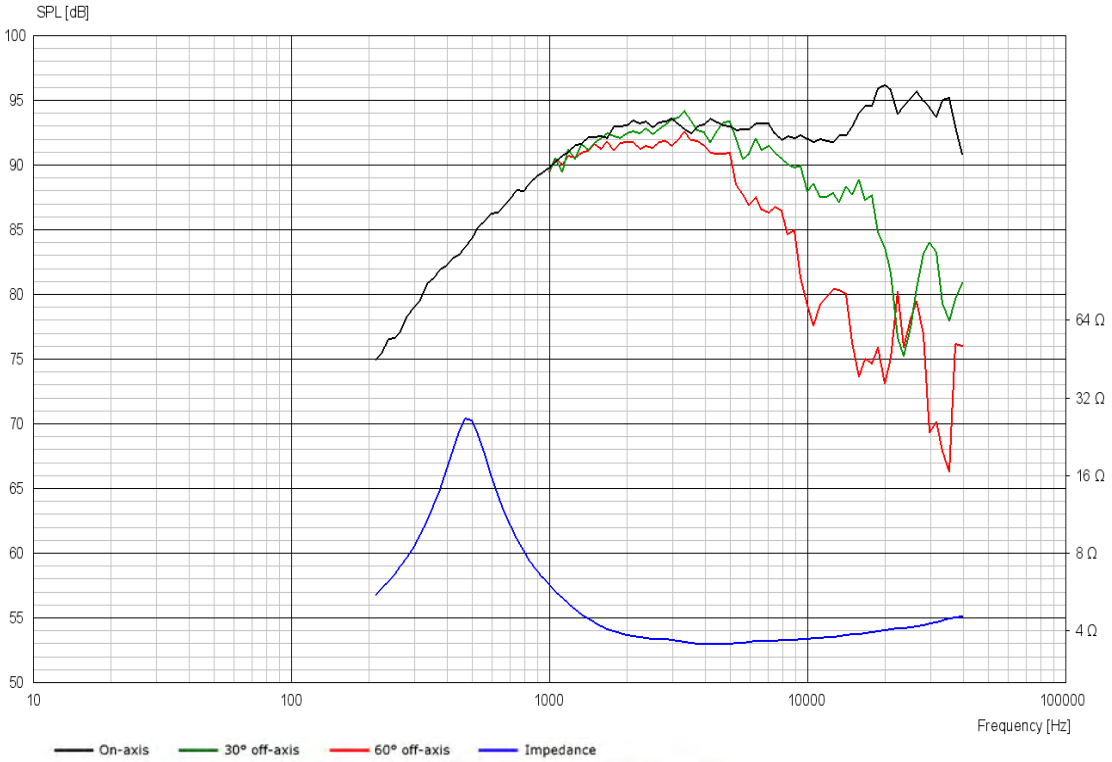
REVELATOR

TWEETER R2904/700005



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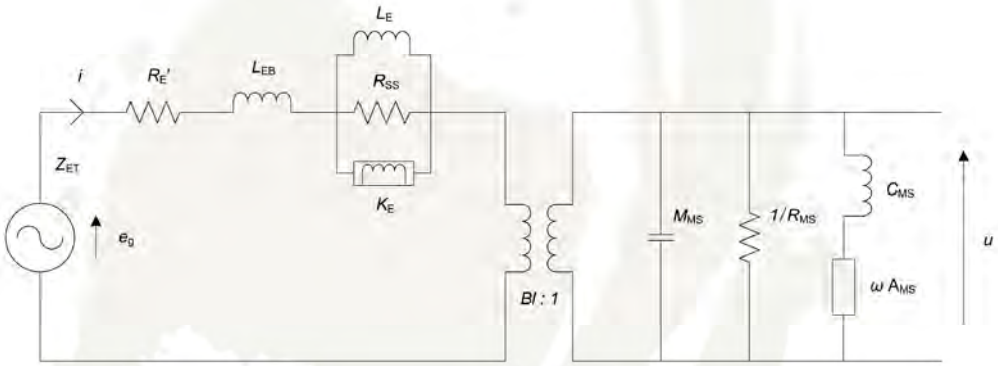

Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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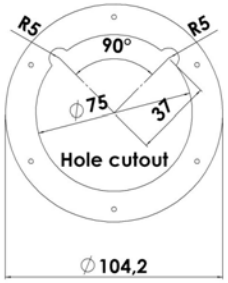
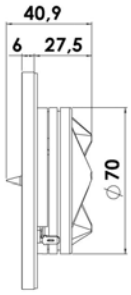
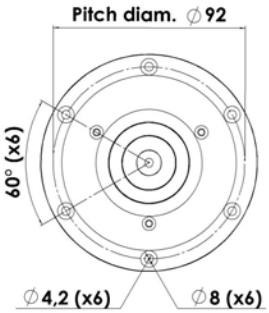
REVELATOR

TWEETER R2904/700009

The Revelator tweeter series consist of the revolutionary ring radiator design, which put an end to some of the design trade-offs in dome designs. The ring radiator still offers unrivalled performance. Additional enhancements have been made to reduce distortion and power compression, such as large neodymium magnet systems for high sensitivity, and a careful design to optimize airflow in the chambers.







KEY FEATURES:

- 1" Ring Dome Diaphragm
- Patented Symmetrical Drive (SD-2) motor
- Non Resonant Alu Rear Chamber
- Patented Phase Plug Design
- Large Ring Neo Magnet f. High Output
- Black Anodized Machined Alu Face Plate

T-S Parameters	
Resonance frequency [fs]	520 Hz
Mechanical Q factor [Qms]	2.90
Electrical Q factor [Qes]	0.38
Total Q factor [Qts]	0.33
Force factor [Bl]	2.8 Tm
Mechanical resistance [Rms]	0.34 kg/s
Moving mass [Mms]	0.3 g
Compliance [Cms]	0.31 mm/N
Effective diaph. diameter [D]	27 mm
Effective piston area [Sd]	5.6 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	94.5 dB
Ratio Bl/√Re	1.62 N/√W
Ratio fs/Qts	1566 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.7 Ω
Maximum impedance [Zo]	26.2 Ω
DC resistance [Re]	3 Ω
Voice coil inductance [Le]	0.01 mH

Power Handling	
100h RMS noise test (IEC 17.1)	160 W
Long-term max power (IEC 17.3)	210 W

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	2.1 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.4 kg

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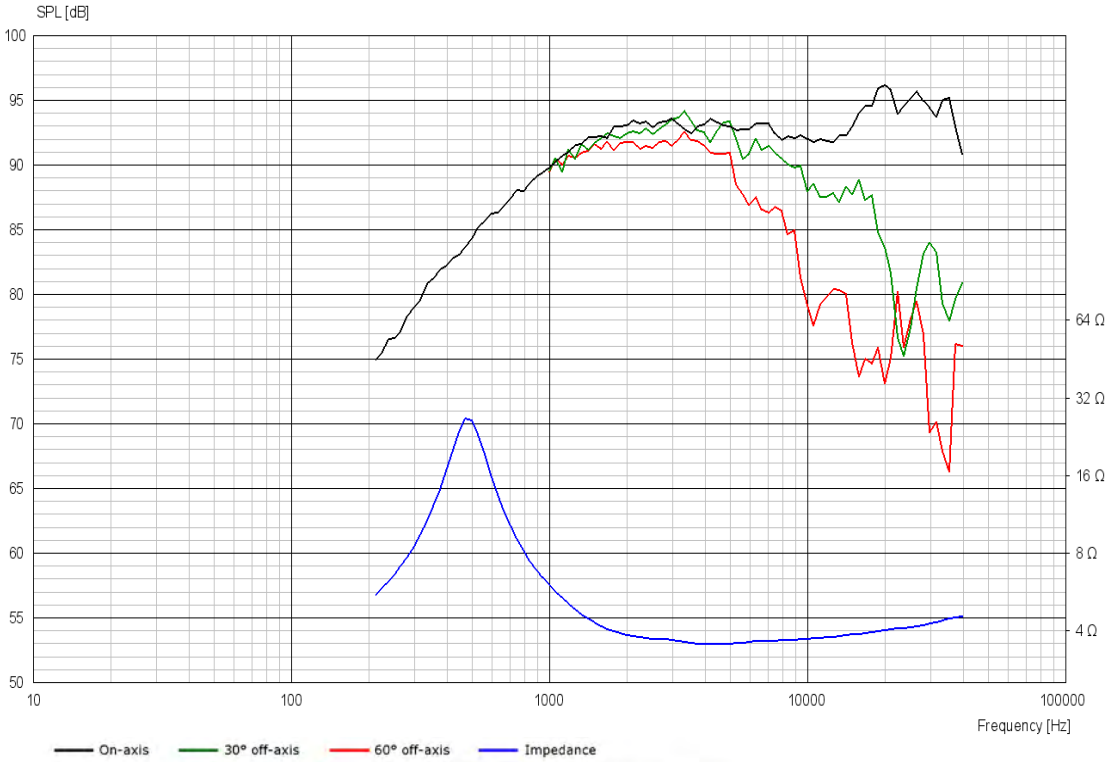
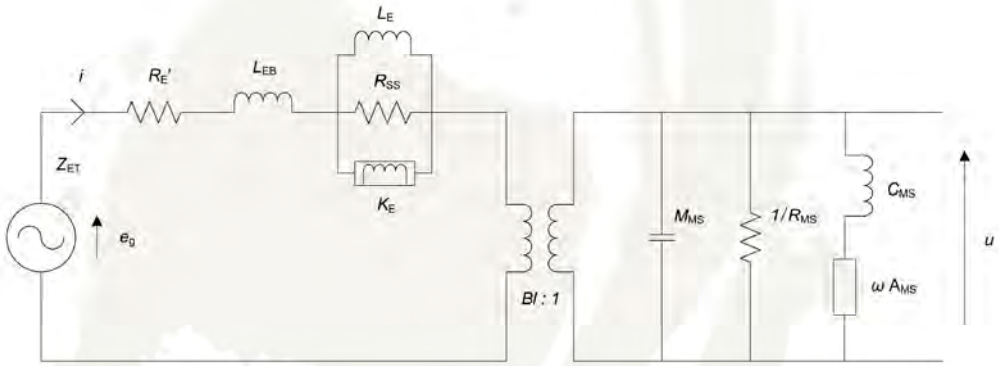
REVELATOR

TWEETER R2904/700009



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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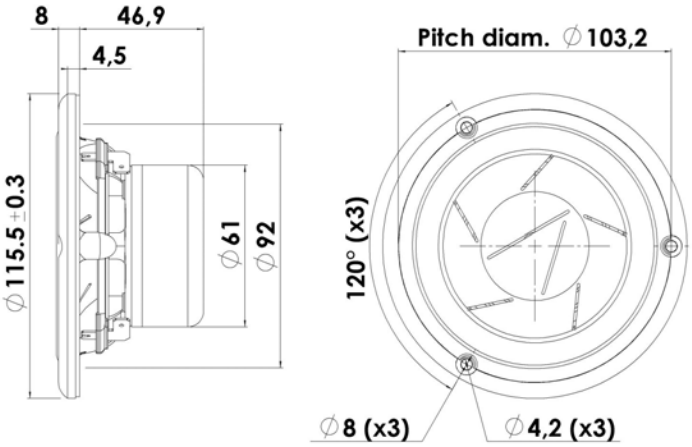
REVELATOR

MIDRANGE 12M/4631G00

The Revelator midranges are well known for their sliced paper cone technology. The slices are filled with damping glue, which dramatically reduces break-up modes in the diaphragm. In combination with Scan-Speaks low-loss linear suspension it represented a breakthrough in midrange clarity and overall smooth frequency response characteristics.



KEY FEATURES:

- Excellent Midrange reproduction
- Low-Loss Linear Suspension
- Compact Neodymium Magnet System
- Sliced Cone (Controls Cone Breakups)
- High Output 89dB @ 2,83V

T-S Parameters	
Resonance frequency [fs]	75 Hz
Mechanical Q factor [Qms]	5.57
Electrical Q factor [Qes]	0.35
Total Q factor [Qts]	0.33
Force factor [Bl]	5.3 Tm
Mechanical resistance [Rms]	0.55 kg/s
Moving mass [Mms]	6.5 g
Compliance [Cms]	0.69 mm/N
Effective diaph. diameter [D]	79 mm
Effective piston area [Sd]	49 cm²
Equivalent volume [Vas]	2.3 l
Sensitivity (2.83V/1m)	89 dB
Ratio Bl/√Re	2.96 N/√W
Ratio fs/Qts	228 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: April 23, 2014.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.8 Ω
Maximum impedance [Zo]	54.1 Ω
DC resistance [Re]	3.2 Ω
Voice coil inductance [Le]	0.22 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	40 W
Long-term max power (IEC 17.3)*	70 W

*Filter: 2. order HP Butterworth, 200 Hz

Voice Coil & Magnet Data	
Voice coil diameter	38 mm
Voice coil height	10 mm
Voice coil layers	2
Height of gap	4 mm
Linear excursion	± 3 mm
Max mech. excursion	± 7 mm
Unit weight	0.6 kg

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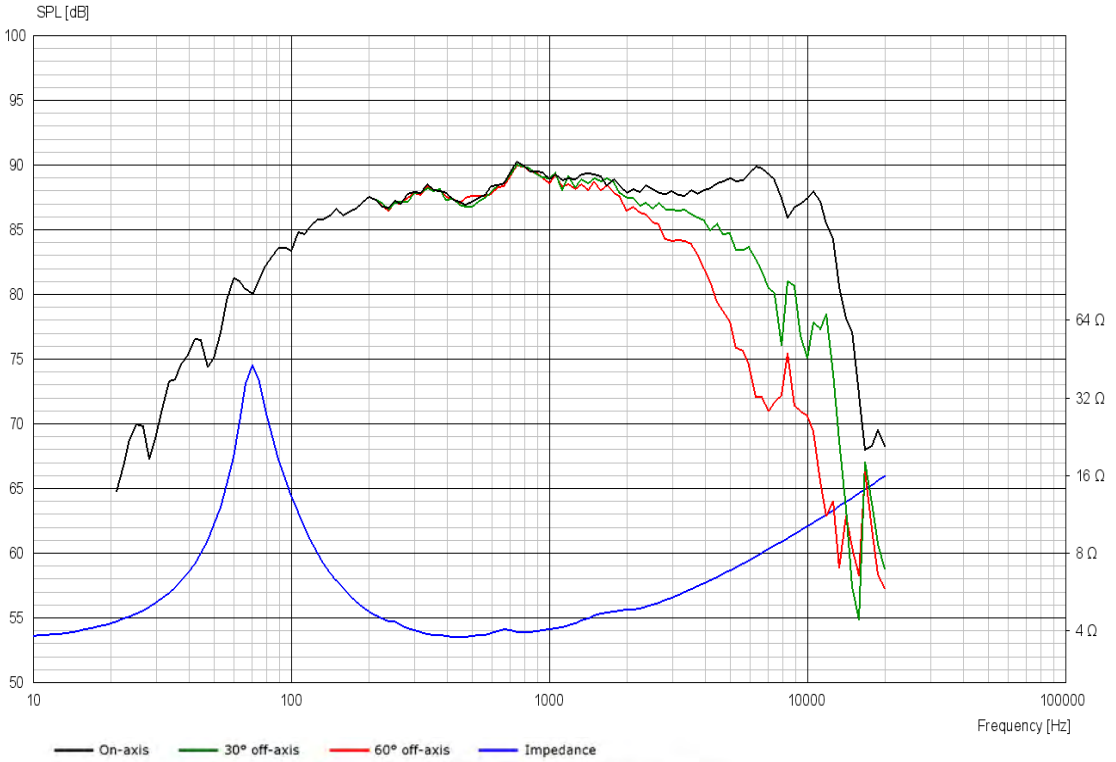
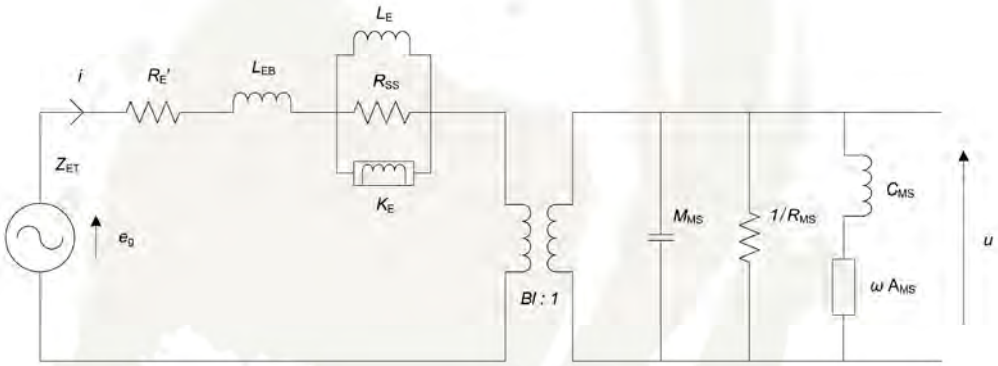
REVELATOR

MIDRANGE 12M/4631G00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.25 Ω
Free inductance [Leb]	0.059 mH
Bound inductance [Le]	0.35 mH
Semi-inductance [Ke]	0.028 SH
Shunt resistance [Rss]	145 Ω

Mechanical Data	
Force Factor [Bl]	5.18 Tm
Moving mass [Mms]	7.1 g
Compliance [Cms]	0.48 mm/N
Mechanical resistance [Rms]	0.73 kg/s
Admittance [Ams]	0.04 mm/N

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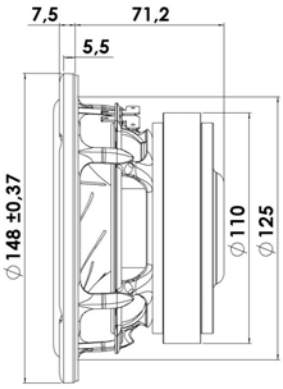
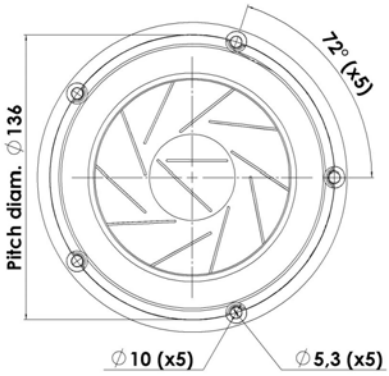
REVELATOR

MIDRANGE 15M/4531K00

The Revelator midranges are well known for their sliced paper cone technology. The slices are filled with damping glue, which dramatically reduces break-up modes in the diaphragm. In combination with Scan-Speaks low-loss linear suspension and the patented Symmetrical Drive (SD-1) it represented a breakthrough in midrange clarity and overall smooth frequency response characteristics.





KEY FEATURES:

- Excellent Midrange Reproduction
- Sliced Cone (Controls Cone Breakups)
- High Output 90dB @ 2,83V
- Patented Symmetrical Drive motor design
- Low-loss linear suspension
- Die cast Alu Chassis vented below spider

T-S Parameters	
Resonance frequency [fs]	35 Hz
Mechanical Q factor [Qms]	4.80
Electrical Q factor [Qes]	0.24
Total Q factor [Qts]	0.23
Force factor [Bl]	6 Tm
Mechanical resistance [Rms]	0.50 kg/s
Moving mass [Mms]	11 g
Compliance [Cms]	1.88 mm/N
Effective diaph. diameter [D]	110 mm
Effective piston area [Sd]	95 cm²
Equivalent volume [Vas]	23.8 l
Sensitivity (2.83V/1m)	90 dB
Ratio Bl/√Re	3.21 N/√W
Ratio fs/Qts	153 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.2 Ω
Maximum impedance [Zo]	73.5 Ω
DC resistance [Re]	3.5 Ω
Voice coil inductance [Le]	0.17 mH

Power Handling	
100h RMS noise test (IEC 17.1)	50 W
Long-term max power (IEC 17.3)	150 W

Voice Coil & Magnet Data	
Voice coil diameter	38 mm
Voice coil height	11 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 3 mm
Max mech. excursion	± 8 mm
Unit weight	1.7 kg

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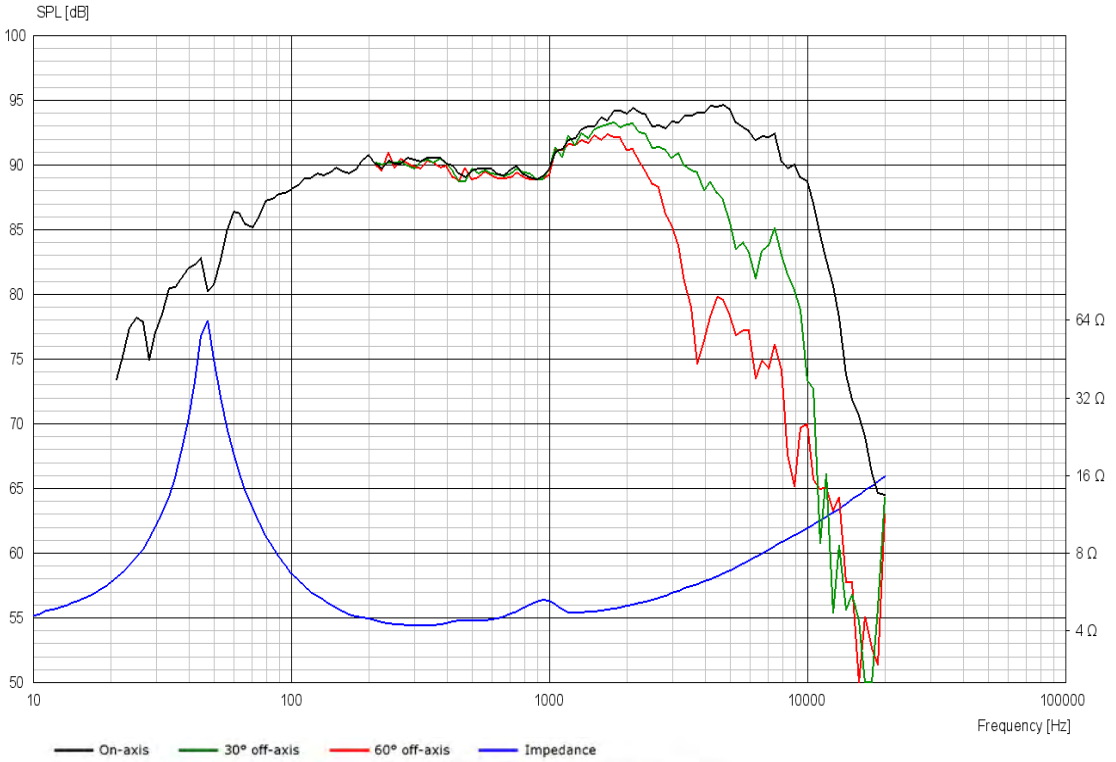
REVELATOR

MIDRANGE 15M/4531K00



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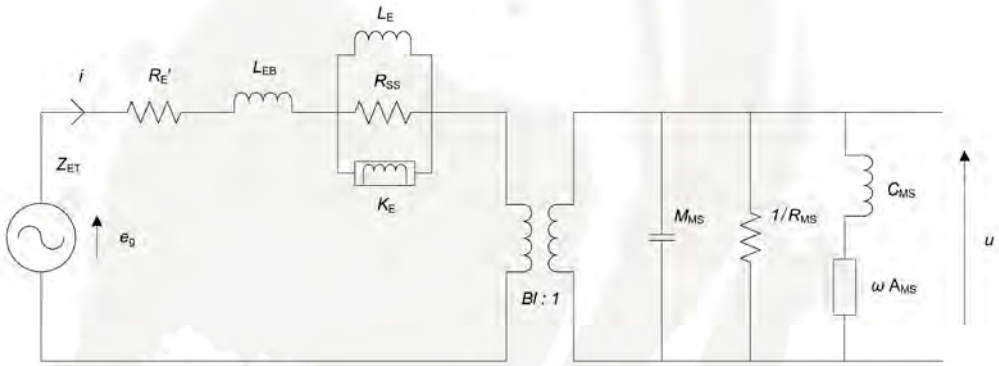

Electrical data	
Resistance [Re']	3.52 Ω
Free inductance [Leb]	0.061 mH
Bound inductance [Le]	1.34 mH
Semi-inductance [Ke]	0.016 SH
Shunt resistance [Rss]	438 Ω

Mechanical Data	
Force Factor [Bl]	5.46 Tm
Moving mass [Mms]	10.9 g
Compliance [Cms]	1.12 mm/N
Mechanical resistance [Rms]	0.43 kg/s
Admittance [Ams]	0.10 mm/N

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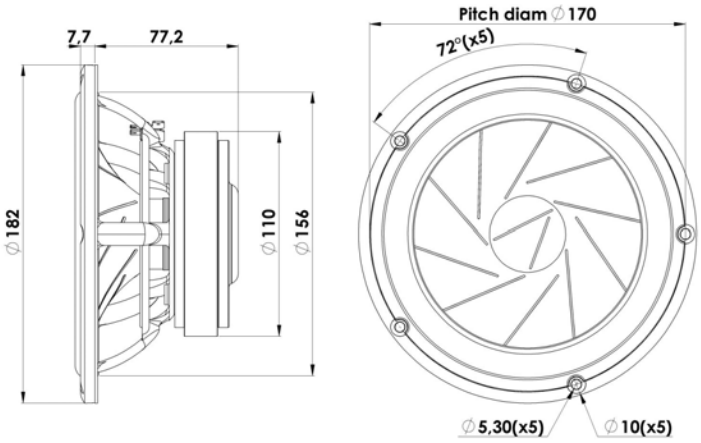
REVELATOR

MIDRANGE 18M/4631T00

The Revelator midranges are well known for their sliced paper cone technology. The slices are filled with damping glue which dramatically reduces break-up modes in the diaphragm. In combination with Scan-Speaks low-loss linear suspension and the patented Symmetrical Drive (SD-1) it represents a breakthrough in midrange clarity and overall smooth frequency response characteristics.



KEY FEATURES:

- Patented Symmetrical Drive motor design
- Low-loss Linear Suspension
- Coated Foam Surround
- Sliced Cone (Control Cone Breakups)
- High Sensitivity 92dB @ 2,83V
- Rigid Titanium Voice Coil Former

T-S Parameters	
Resonance frequency [fs]	65 Hz
Mechanical Q factor [Qms]	5.65
Electrical Q factor [Qes]	0.67
Total Q factor [Qts]	0.60
Force factor [Bl]	5.6 Tm
Mechanical resistance [Rms]	1.03 kg/s
Moving mass [Mms]	14.3 g
Compliance [Cms]	0.42 mm/N
Effective diaph. diameter [D]	138 mm
Effective piston area [Sd]	154 cm²
Equivalent volume [Vas]	14.0 l
Sensitivity (2.83V/1m)	92 dB
Ratio Bl/√Re	2.96 N/√W
Ratio fs/Qts	110 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2016.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.9 Ω
Maximum impedance [Zo]	29 Ω
DC resistance [Re]	3.5 Ω
Voice coil inductance [Le]	0.16 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	70 W
Long-term max power (IEC 17.3)*	250 W

*Filter: 2. order HP Butterworth, 100Hz

Voice Coil & Magnet Data	
Voice coil diameter	38 mm
Voice coil height	11 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 3 mm
Max mech. excursion	± 14.5 mm
Unit weight	1.7 kg

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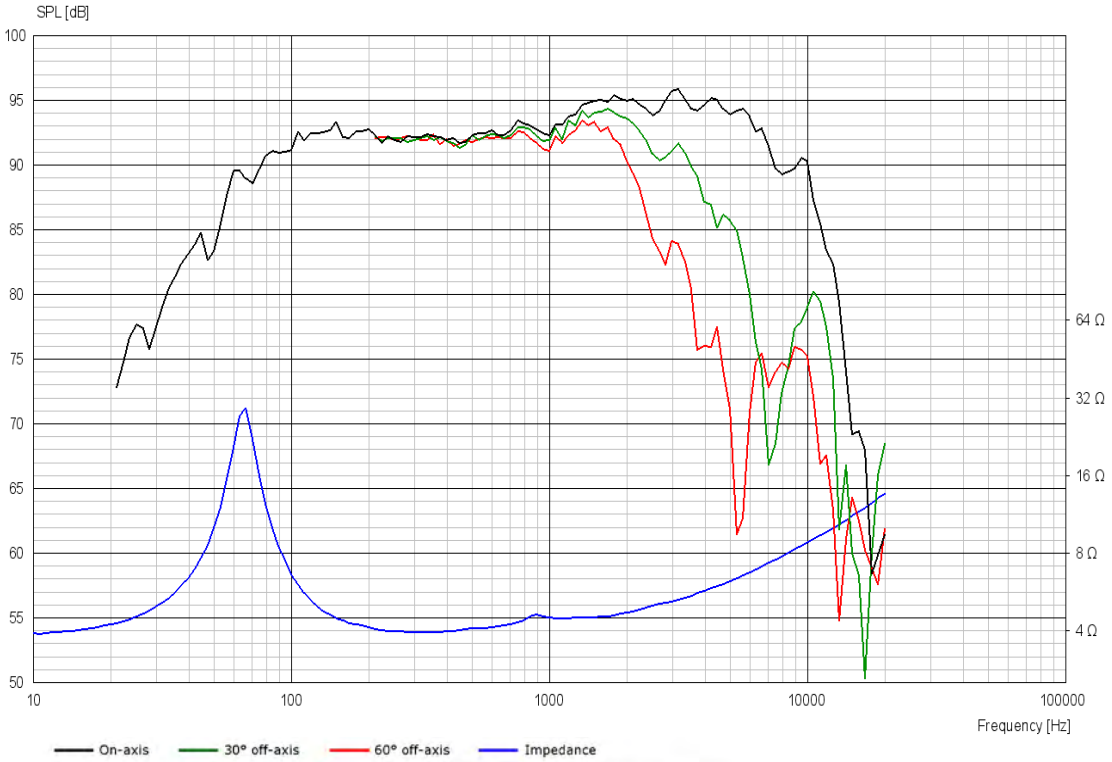
REVELATOR

MIDRANGE 18M/4631T00



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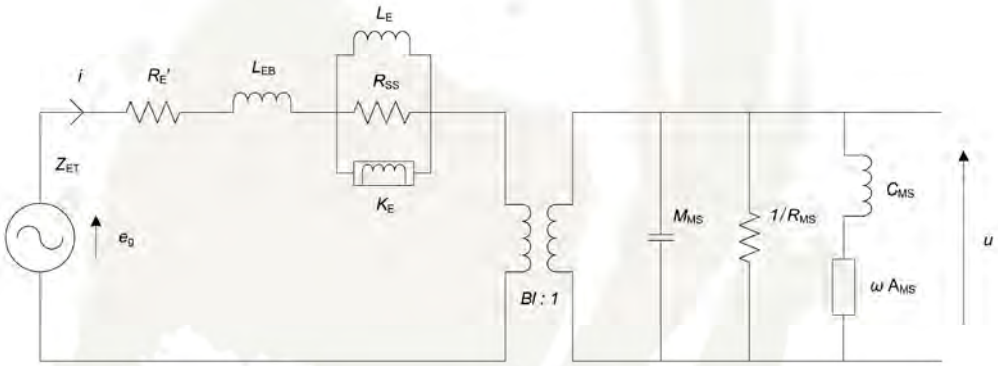

Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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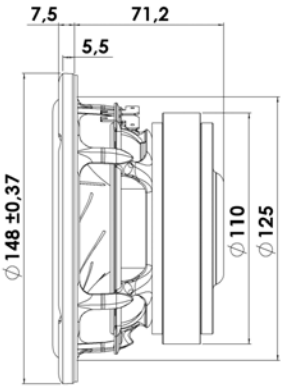
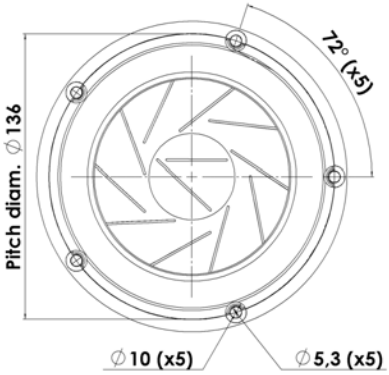
REVELATOR

MIDWOOFER 15W/4531G00

The Revelator midrange and midwoofers, both well known for their sliced paper cone technology. The slices are filled with damping glue, which dramatically reduces break-up modes in the diaphragm. In combination with Scan-Speaks low-loss linear suspension and the patented Symmetrical Drive (SD-1) it represented a breakthrough in midrange clarity and overall smooth frequency response characteristics.





KEY FEATURES:

- Patented Symmetrical Drive motor design
- Low-Loss linear suspension
- Die cast Alu Chassis vented below spider
- Sliced Cone (Controls Cone Breakups)
- Low Damping SBR Rubber Surround
- Large Ferrite Magnet System

T-S Parameters	
Resonance frequency [fs]	40 Hz
Mechanical Q factor [Qms]	4.60
Electrical Q factor [Qes]	0.34
Total Q factor [Qts]	0.32
Force factor [Bl]	5.7 Tm
Mechanical resistance [Rms]	0.70 kg/s
Moving mass [Mms]	13 g
Compliance [Cms]	1.25 mm/N
Effective diaph. diameter [D]	110 mm
Effective piston area [Sd]	95 cm²
Equivalent volume [Vas]	15.8 l
Sensitivity (2.83V/1m)	87 dB
Ratio Bl/√Re	3.09 N/√W
Ratio fs/Qts	125 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.4 Ω
Maximum impedance [Zo]	4.2 Ω
DC resistance [Re]	3.4 Ω
Voice coil inductance [Le]	0.25 mH

Power Handling	
100h RMS noise test (IEC 17.1)	60 W
Long-term max power (IEC 17.3)	180 W

Voice Coil & Magnet Data	
Voice coil diameter	38 mm
Voice coil height	17.5 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 6.5 mm
Max mech. excursion	± 9 mm
Unit weight	1.7 kg

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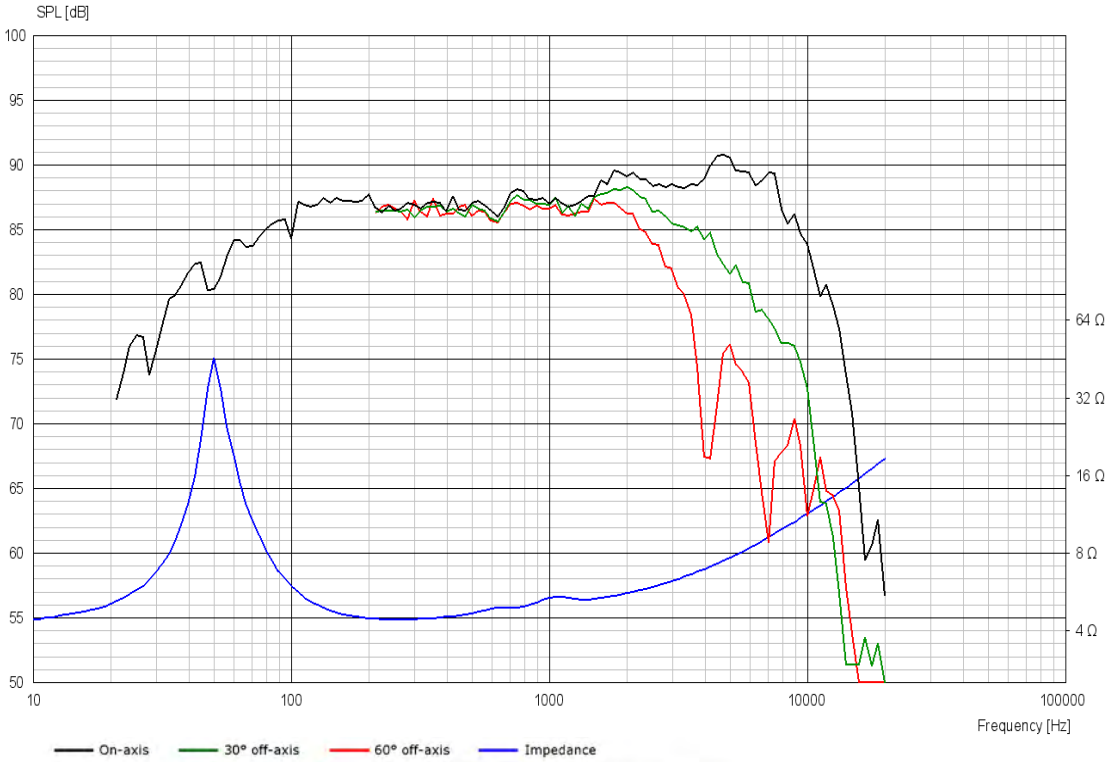
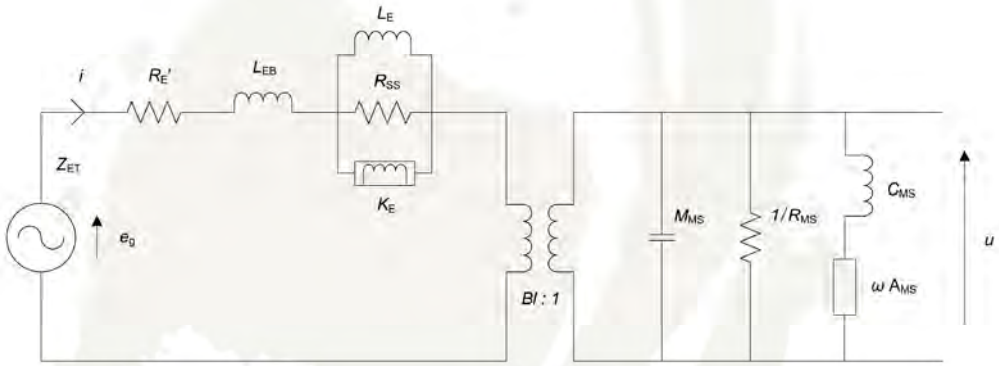
REVELATOR

MIDWOOFER 15W/4531G00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.44 Ω
Free inductance [Leb]	0.099 mH
Bound inductance [Le]	1.11 mH
Semi-inductance [Ke]	0.019 SH
Shunt resistance [Rss]	24 Ω

Mechanical Data	
Force Factor [Bl]	5.36 Tm
Moving mass [Mms]	13.1 g
Compliance [Cms]	0.80 mm/N
Mechanical resistance [Rms]	0.48 kg/s
Admittance [Ams]	0.06 mm/N

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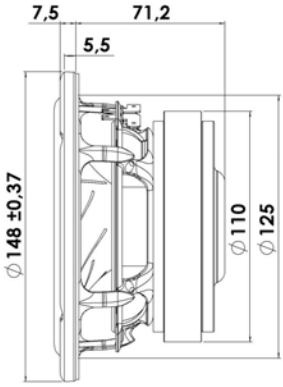
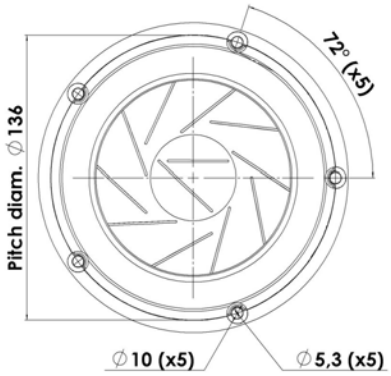
REVELATOR

MIDWOOFER 15W/8530K00

The Revelator midrange and midwoofers, both well known for their sliced paper cone technology. The slices are filled with damping glue, which dramatically reduces break-up modes in the diaphragm. In combination with Scan-Speaks low-loss linear suspension and the patented Symmetrical Drive (SD-1) it represented a breakthrough in midrange clarity and overall smooth frequency response characteristics.





KEY FEATURES:

- Patented Symmetrical Drive Motor Design
- Low-Loss linear suspension
- Coated Paper Cone
- Sliced Cone (Controls Cone Breakups)
- Low Damping SBR Rubber Surround
- Large Ferrite Magnet System

T-S Parameters	
Resonance frequency [fs]	30 Hz
Mechanical Q factor [Qms]	4.90
Electrical Q factor [Qes]	0.29
Total Q factor [Qts]	0.27
Force factor [Bl]	7 Tm
Mechanical resistance [Rms]	0.50 kg/s
Moving mass [Mms]	13 g
Compliance [Cms]	2.16 mm/N
Effective diaph. diameter [D]	110 mm
Effective piston area [Sd]	95 cm²
Equivalent volume [Vas]	27.4 l
Sensitivity (2.83V/1m)	85.5 dB
Ratio Bl/√Re	2.91 N/√W
Ratio fs/Qts	110 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.9 Ω
Maximum impedance [Zo]	104 Ω
DC resistance [Re]	5.8 Ω
Voice coil inductance [Le]	0.35 mH

Power Handling	
100h RMS noise test (IEC 17.1)	60 W
Long-term max power (IEC 17.3)	110 W

Voice Coil & Magnet Data	
Voice coil diameter	38 mm
Voice coil height	18 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 6.5 mm
Max mech. excursion	± 9 mm
Unit weight	1.7 kg

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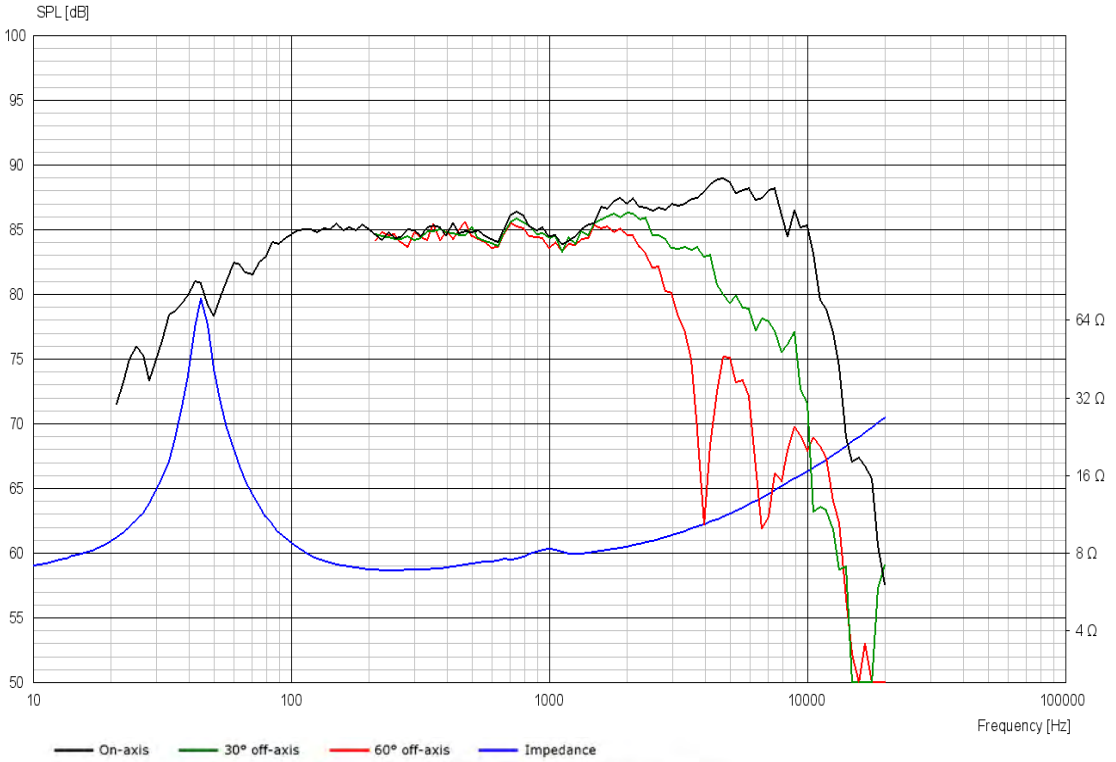
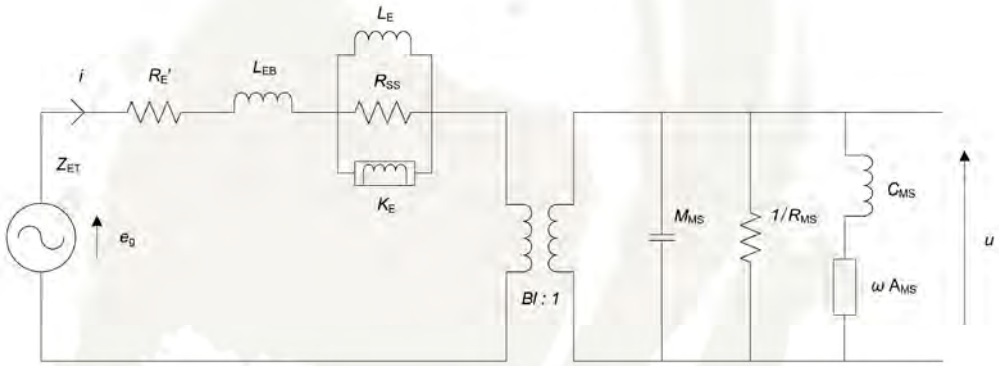
REVELATOR

MIDWOOFER 15W/8530K00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	6.07 Ω
Free inductance [Leb]	0.127 mH
Bound inductance [Le]	0.852 mH
Semi-inductance [Ke]	0.0248 SH
Shunt resistance [Rss]	1633 Ω

Mechanical Data	
Force Factor [Bl]	6.20 Tm
Moving mass [Mms]	13.7 g
Compliance [Cms]	1.80 mm/N
Mechanical resistance [Rms]	0.149 kg/s
Admittance [Ams]	0.249 mm/N

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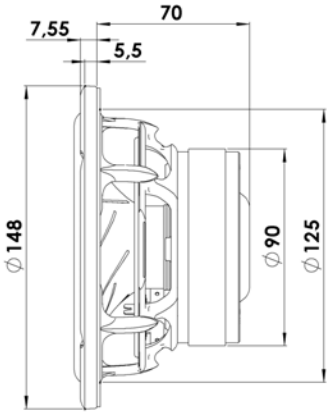
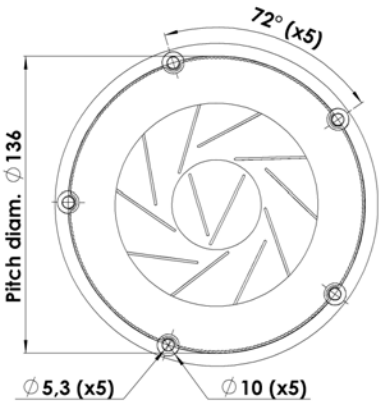
REVELATOR

MIDWOOFER 15W/8530K01

The Revelator midrange and midwoofers, both well known for their sliced paper cone technology. The slices are filled with damping glue, which dramatically reduces break-up modes in the diaphragm. In combination with Scan-Speaks low-loss linear suspension and the patented Symmetrical Drive (SD-1) it represented a breakthrough in midrange clarity and overall smooth frequency response characteristics.





KEY FEATURES:

- Patented Symmetrical Drive Motor Design
- Coated Paper Cone
- Low Damping SBR Rubber Surround
- Sliced Cone (Controls Cone Breakups)
- Low-Loss linear suspension
- Die cast Alu Chassis vented below spider

T-S Parameters	
Resonance frequency [fs]	32 Hz
Mechanical Q factor [Qms]	5.23
Electrical Q factor [Qes]	0.44
Total Q factor [Qts]	0.41
Force factor [Bl]	5.9 Tm
Mechanical resistance [Rms]	0.50 kg/s
Moving mass [Mms]	13 g
Compliance [Cms]	1.90 mm/N
Effective diaph. diameter [D]	110 mm
Effective piston area [Sd]	95 cm²
Equivalent volume [Vas]	24.0 l
Sensitivity (2.83V/1m)	84.5 dB
Ratio Bl/√Re	2.45 N/√W
Ratio fs/Qts	79 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.9 Ω
Maximum impedance [Zo]	74.7 Ω
DC resistance [Re]	5.8 Ω
Voice coil inductance [Le]	0.35 mH

Power Handling	
100h RMS noise test (IEC 17.1)	60 W
Long-term max power (IEC 17.3)	70 W

Voice Coil & Magnet Data	
Voice coil diameter	38 mm
Voice coil height	18 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 6.5 mm
Max mech. excursion	± 9 mm
Unit weight	1.2 kg

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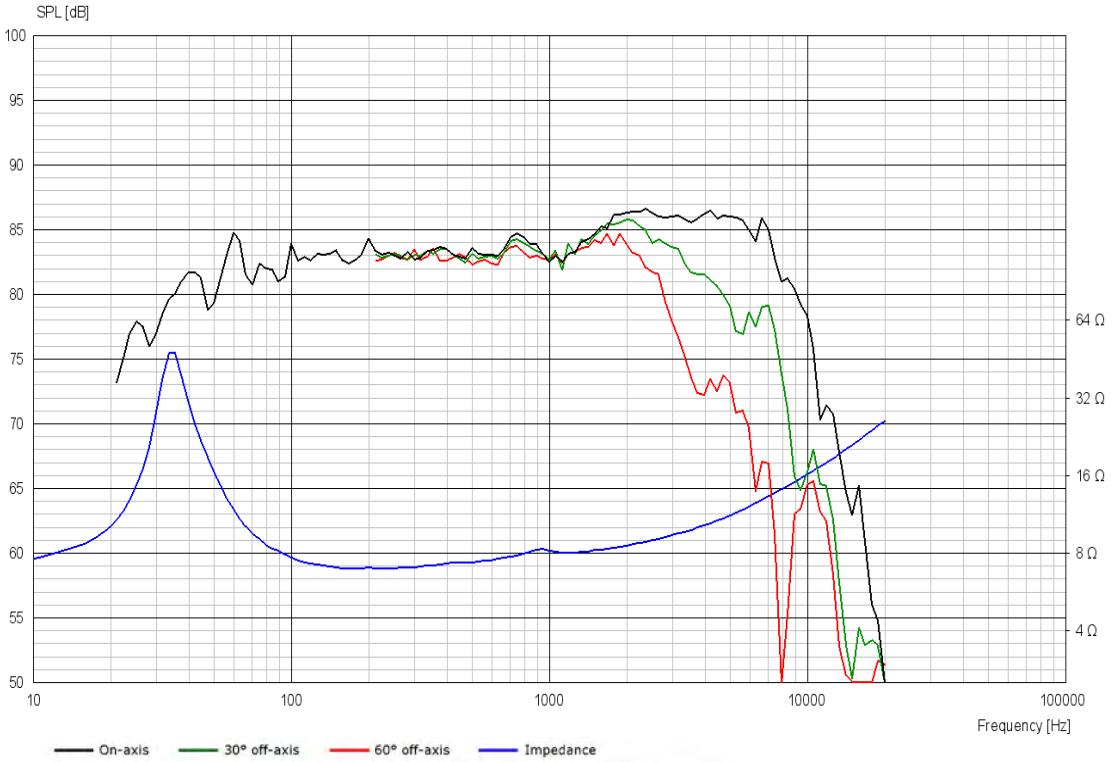
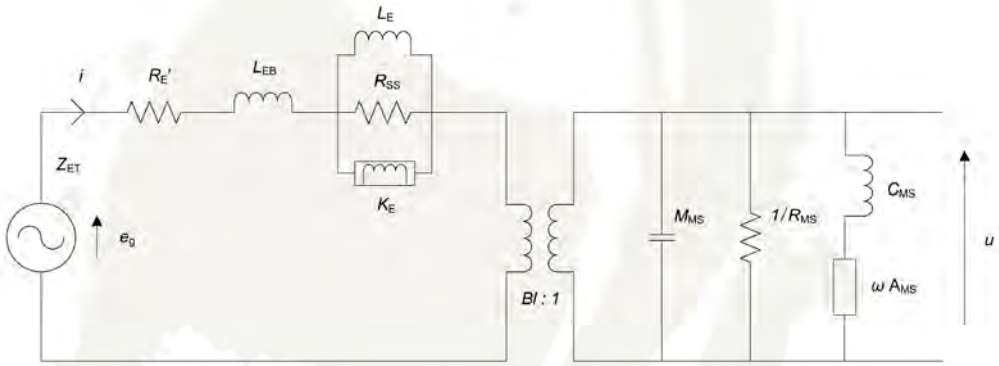
REVELATOR

MIDWOOFER 15W/8530K01



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	5.87 Ω
Free inductance [Leb]	0.122 mH
Bound inductance [Le]	2.65 mH
Semi-inductance [Ke]	0.025 SH
Shunt resistance [Rss]	228 Ω

Mechanical Data	
Force Factor [Bl]	5.23 Tm
Moving mass [Mms]	13.1 g
Compliance [Cms]	1.01 mm/N
Mechanical resistance [Rms]	0.47 kg/s
Admittance [Ams]	0.08 mm/N

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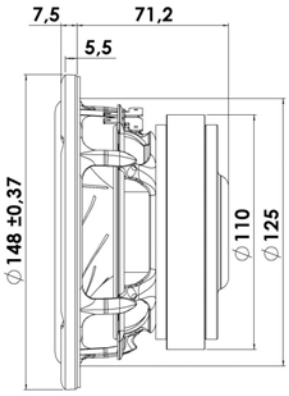
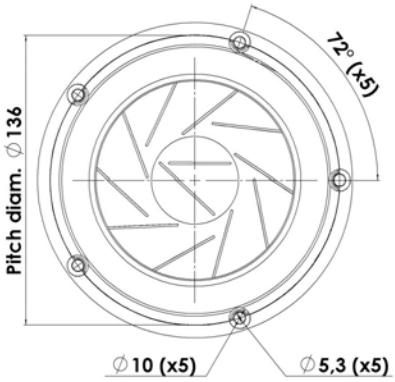
REVELATOR

MIDWOOFER 15W/8531K00

The Revelator midrange and midwoofers, both well known for their sliced paper cone technology. The slices are filled with damping glue, which dramatically reduces break-up modes in the diaphragm. In combination with Scan-Speaks low-loss linear suspension and the patented Symmetrical Drive (SD-1) it represented a breakthrough in midrange clarity and overall smooth frequency response characteristics.





KEY FEATURES:

- Patented Symmetrical Drive Motor Design
- Low-Loss linear suspension
- Die cast Alu Chassis vented below spider
- Sliced Cone (Controls Cone Breakups)
- Low Damping SBR Rubber Surround
- Large Ferrite Magnet System

T-S Parameters	
Resonance frequency [fs]	32 Hz
Mechanical Q factor [Qms]	5.23
Electrical Q factor [Qes]	0.33
Total Q factor [Qts]	0.31
Force factor [Bl]	6.8 Tm
Mechanical resistance [Rms]	0.50 kg/s
Moving mass [Mms]	13 g
Compliance [Cms]	1.90 mm/N
Effective diaph. diameter [D]	110 mm
Effective piston area [Sd]	95 cm²
Equivalent volume [Vas]	24.0 l
Sensitivity (2.83V/1m)	85.5 dB
Ratio Bl/√Re	2.82 N/√W
Ratio fs/Qts	103 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.8 Ω
Maximum impedance [Zo]	97.7 Ω
DC resistance [Re]	5.8 Ω
Voice coil inductance [Le]	0.35 mH

Power Handling	
100h RMS noise test (IEC 17.1)	60 W
Long-term max power (IEC 17.3)	110 W

Voice Coil & Magnet Data	
Voice coil diameter	38 mm
Voice coil height	18 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 6.5 mm
Max mech. excursion	± 9 mm
Unit weight	1.7 kg

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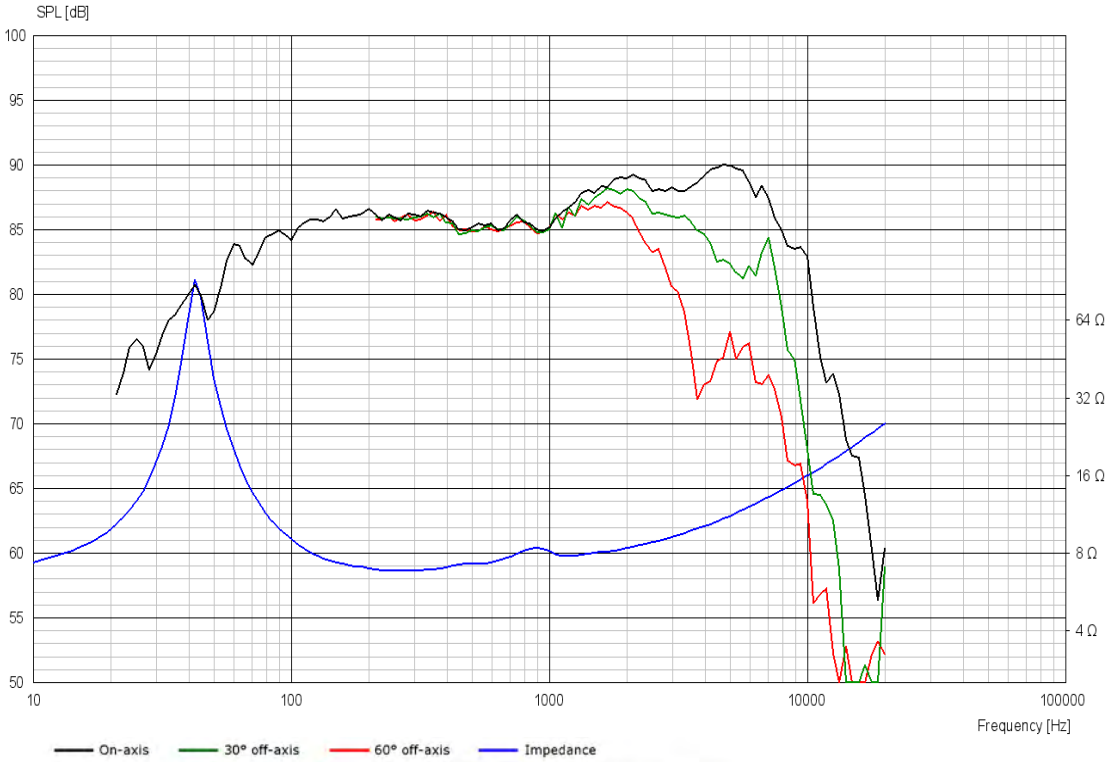
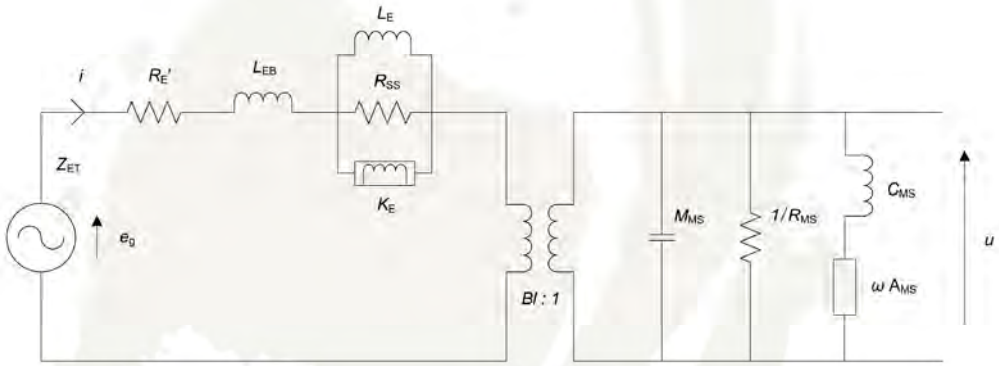
REVELATOR

MIDWOOFER 15W/8531K00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	5.86 Ω
Free inductance [Leb]	0.122 mH
Bound inductance [Le]	1.77 mH
Semi-inductance [Ke]	0.026 SH
Shunt resistance [Rss]	86 Ω

Mechanical Data	
Force Factor [Bl]	6.50 Tm
Moving mass [Mms]	12.2 g
Compliance [Cms]	0.99 mm/N
Mechanical resistance [Rms]	0.50 kg/s
Admittance [Ams]	0.09 mm/N

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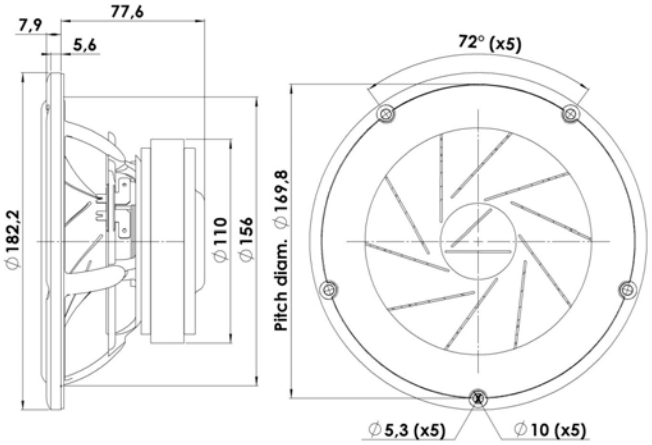
REVELATOR

MIDWOOFER 18W/4531G00

The Revelator midrange and midwoofers, both well known for their sliced paper cone technology. The slices are filled with damping glue, which dramatically reduces break-up modes in the diaphragm. In combination with Scan-Speaks low-loss linear suspension and the patented Symmetrical Drive (SD-1) it represented a breakthrough in midrange clarity and overall smooth frequency response characteristics.



KEY FEATURES:

- Patented Symmetrical Drive Motor Design
- Low-Loss linear suspension
- Die cast Alu Chassis vented below spider
- Sliced Cone (Controls Cone Breakups)
- Low Damping SBR Rubber Surround
- Large Ferrite Magnet System

T-S Parameters	
Resonance frequency [fs]	33 Hz
Mechanical Q factor [Qms]	5.20
Electrical Q factor [Qes]	0.38
Total Q factor [Qts]	0.35
Force factor [Bl]	5.7 Tm
Mechanical resistance [Rms]	0.70 kg/s
Moving mass [Mms]	17.5 g
Compliance [Cms]	1.33 mm/N
Effective diaph. diameter [D]	138 mm
Effective piston area [Sd]	150 cm²
Equivalent volume [Vas]	41.9 l
Sensitivity (2.83V/1m)	90 dB
Ratio Bl/√Re	3.09 N/√W
Ratio fs/Qts	93 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: March 27, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.2 Ω
Maximum impedance [Zo]	49.9 Ω
DC resistance [Re]	3.4 Ω
Voice coil inductance [Le]	0.3 mH

Power Handling	
100h RMS noise test (IEC 17.1)	70 W
Long-term max power (IEC 17.3)	110 W

Voice Coil & Magnet Data	
Voice coil diameter	38 mm
Voice coil height	17.5 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 6.5 mm
Max mech. excursion	± 11 mm
Unit weight	1.7 kg

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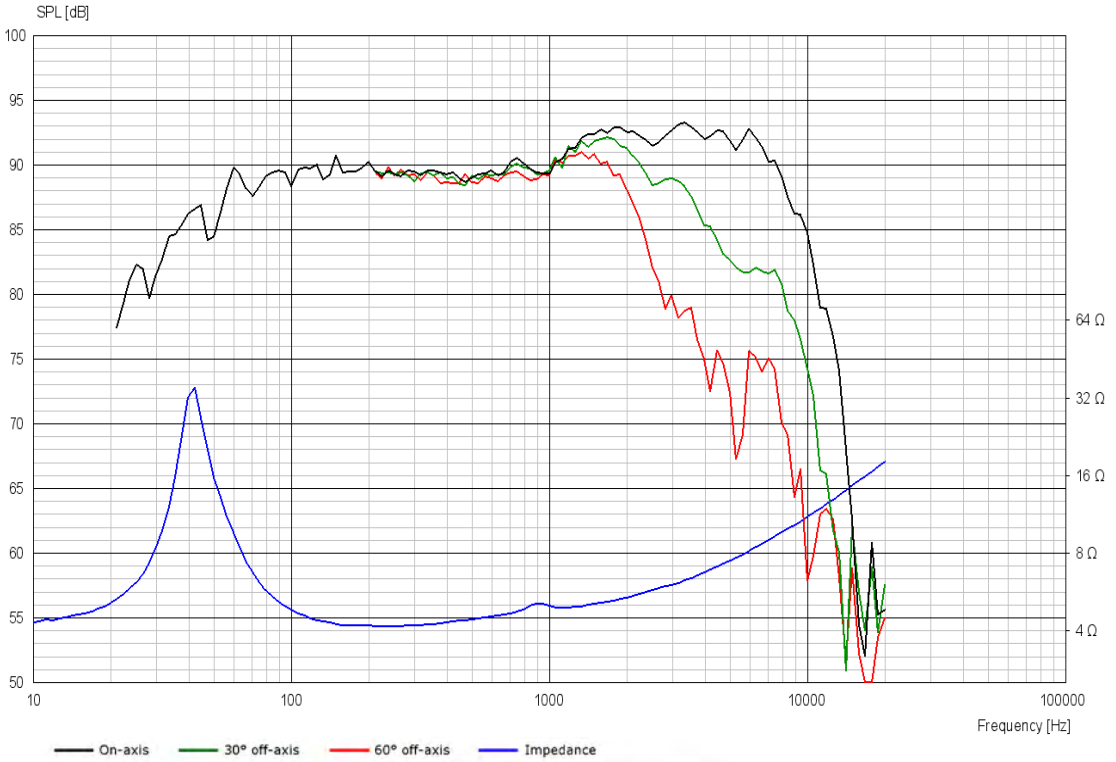
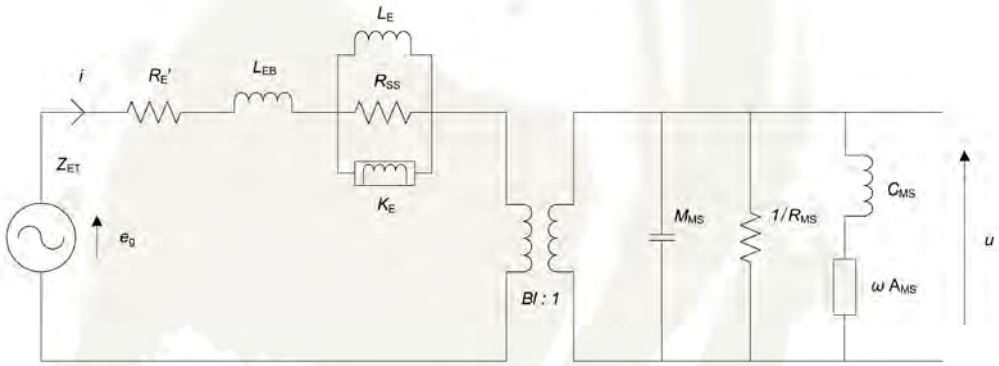
REVELATOR

MIDWOOFER 18W/4531G00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.39 Ω
Free inductance [Leb]	0.0891 mH
Bound inductance [Le]	1.59 mH
Semi-inductance [Ke]	0.0169 SH
Shunt resistance [Rss]	32.6 Ω

Mechanical Data	
Force Factor [Bl]	5.33 Tm
Moving mass [Mms]	17.6 g
Compliance [Cms]	0.621 mm/N
Mechanical resistance [Rms]	0.620 kg/s
Admittance [Ams]	0.0483 mm/N

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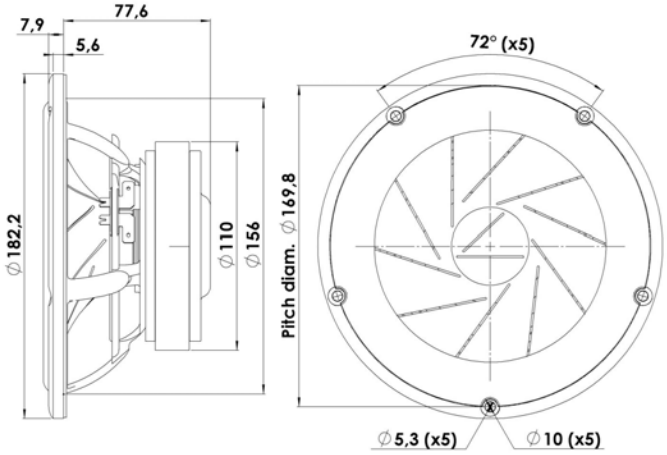
REVELATOR

MIDWOOFER 18W/4531G01

The Revelator midrange and midwoofers, both well known for their sliced paper cone technology. The slices are filled with damping glue, which dramatically reduces break-up modes in the diaphragm. In combination with Scan-Speaks low-loss linear suspension and the patented Symmetrical Drive (SD-1) it represented a breakthrough in midrange clarity and overall smooth frequency response characteristics.



KEY FEATURES:

- Patented Symmetrical Drive Motor Design
- Wood Fibre Cone
- Low Damping SBR Rubber Surround
- Sliced Cone (Controls Cone Breakups)
- Low-Loss linear suspension
- Large Ferrite Magnet System

T-S Parameters	
Resonance frequency [fs]	34 Hz
Mechanical Q factor [Qms]	4.90
Electrical Q factor [Qes]	0.38
Total Q factor [Qts]	0.35
Force factor [Bl]	5.7 Tm
Mechanical resistance [Rms]	0.74 kg/s
Moving mass [Mms]	16.9 g
Compliance [Cms]	1.3 mm/N
Effective diaph. diameter [D]	142 mm
Effective piston area [Sd]	157 cm²
Equivalent volume [Vas]	45.6 l
Sensitivity (2.83V/1m)	89 dB
Ratio Bl/√Re	3.05 N/√W
Ratio fs/Qts	97 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: March 11, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.4 Ω
Maximum impedance [Zo]	40.0 Ω
DC resistance [Re]	3.5 Ω
Voice coil inductance [Le]	0.27 mH

Power Handling	
100h RMS noise test (IEC 17.1)	70 W
Long-term max power (IEC 17.3)	110 W

Voice Coil & Magnet Data	
Voice coil diameter	38 mm
Voice coil height	18 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 6.5 mm
Max mech. excursion	± 11 mm
Unit weight	1.7 kg

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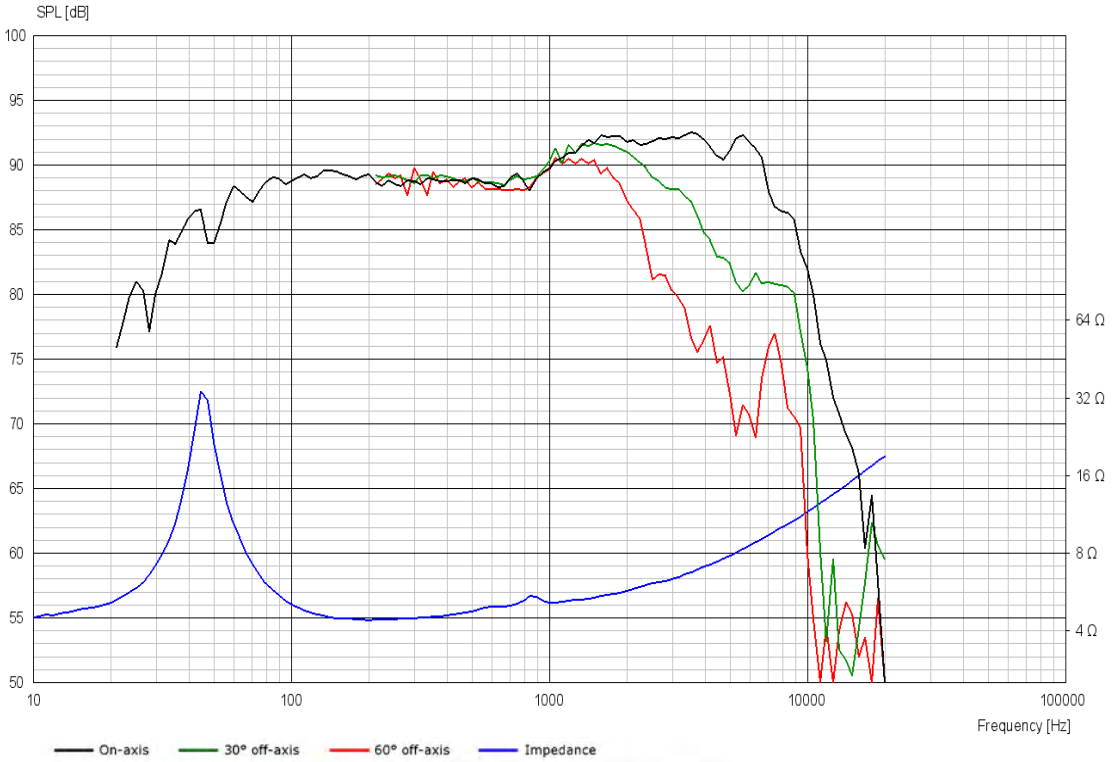
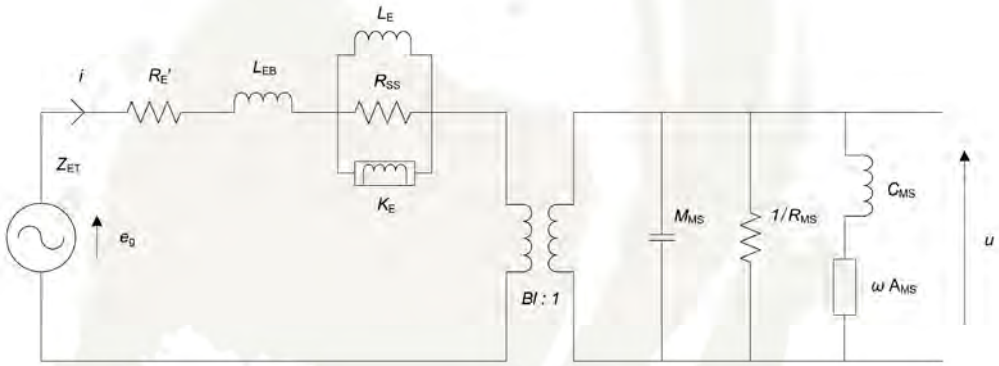
REVELATOR

MIDWOOFER 18W/4531G01



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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REVELATOR

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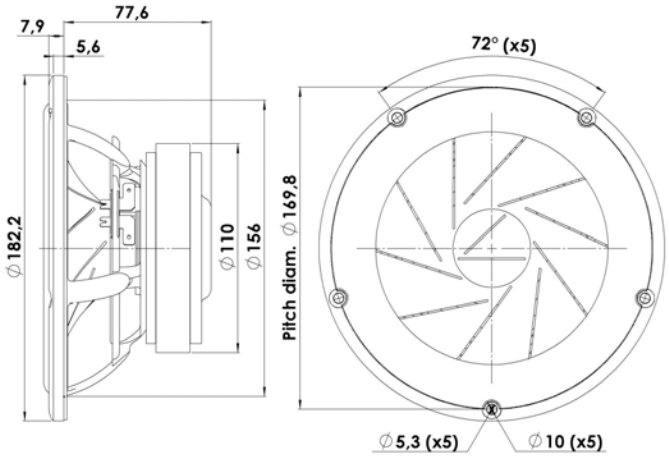
The Revelator midrange and midwoofers, both well known for their sliced paper cone technology. The slices are filled with damping glue, which dramatically reduces break-up modes in the diaphragm. In combination with Scan-Speaks Low-loss linear suspension and the patented Symmetrical drive (SD-1) it represented a breakthrough in midrange clarity and overall smooth frequency response characteristics.



KEY FEATURES:

- Patented Symmetrical Drive Motor Design
- Low-Loss linear suspension
- Die cast Alu Chassis vented below spider
- Sliced Cone (Controls Cone Breakups)
- Low Damping SBR Rubber Surround
- Large Ferrite Magnet System

T-S Parameters	
Resonance frequency [fs]	28 Hz
Mechanical Q factor [Qms]	5.10
Electrical Q factor [Qes]	0.39
Total Q factor [Qts]	0.36
Force factor [Bl]	6.8 Tm
Mechanical resistance [Rms]	0.60 kg/s
Moving mass [Mms]	17.5 g
Compliance [Cms]	1.85 mm/N
Effective diaph. diameter [D]	138 mm
Effective piston area [Sd]	150 cm²
Equivalent volume [Vas]	58.2 l
Sensitivity (2.83V/1m)	87 dB
Ratio Bl/√Re	2.82 N/√W
Ratio fs/Qts	77 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 18, 2015.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.4 Ω
Maximum impedance [Zo]	81.6 Ω
DC resistance [Re]	5.8 Ω
Voice coil inductance [Le]	0.35 mH

Power Handling	
100h RMS noise test (IEC 17.1)	60 W
Long-term max power (IEC 17.3)	70 W

Voice Coil & Magnet Data	
Voice coil diameter	38 mm
Voice coil height	18 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 6.5 mm
Max mech. excursion	± 11 mm
Unit weight	1.7 kg

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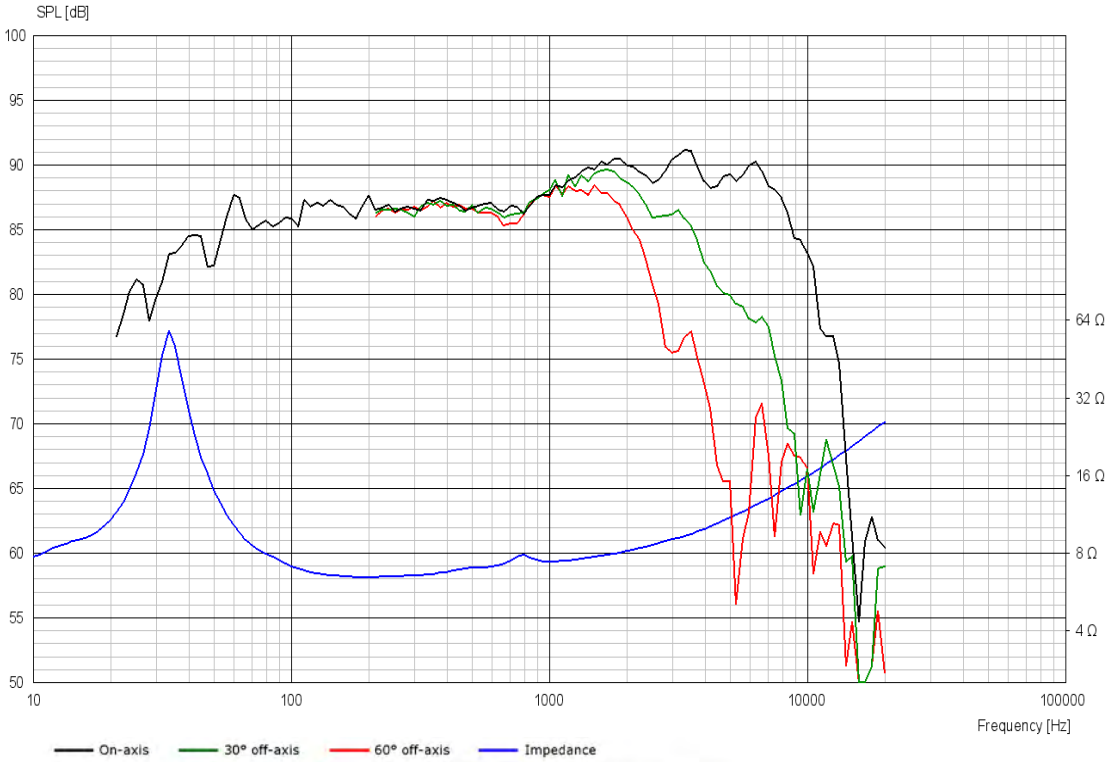
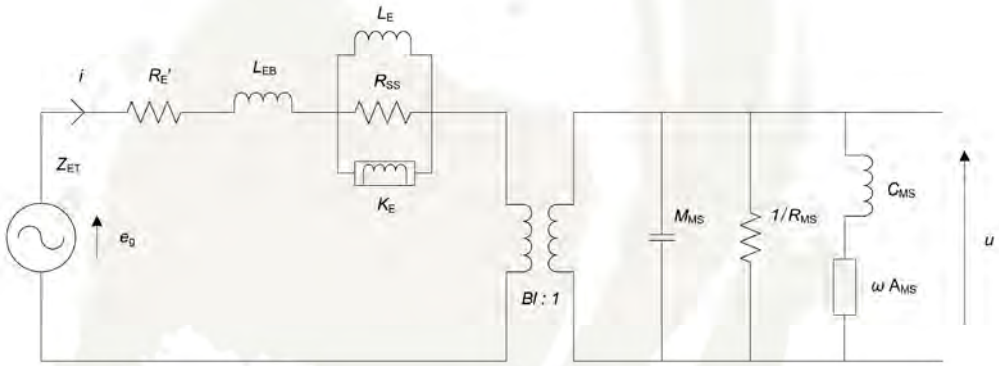
REVELATOR

MIDWOOFER 18W/8531G00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	5.92 Ω
Free inductance [Leb]	0.122 mH
Bound inductance [Le]	2.31 mH
Semi-inductance [Ke]	0.026 SH
Shunt resistance [Rss]	220 Ω

Mechanical Data	
Force Factor [Bl]	6.42 Tm
Moving mass [Mms]	17.3 g
Compliance [Cms]	1.49 mm/N
Mechanical resistance [Rms]	0.57 kg/s
Admittance [Ams]	0.17 mm/N

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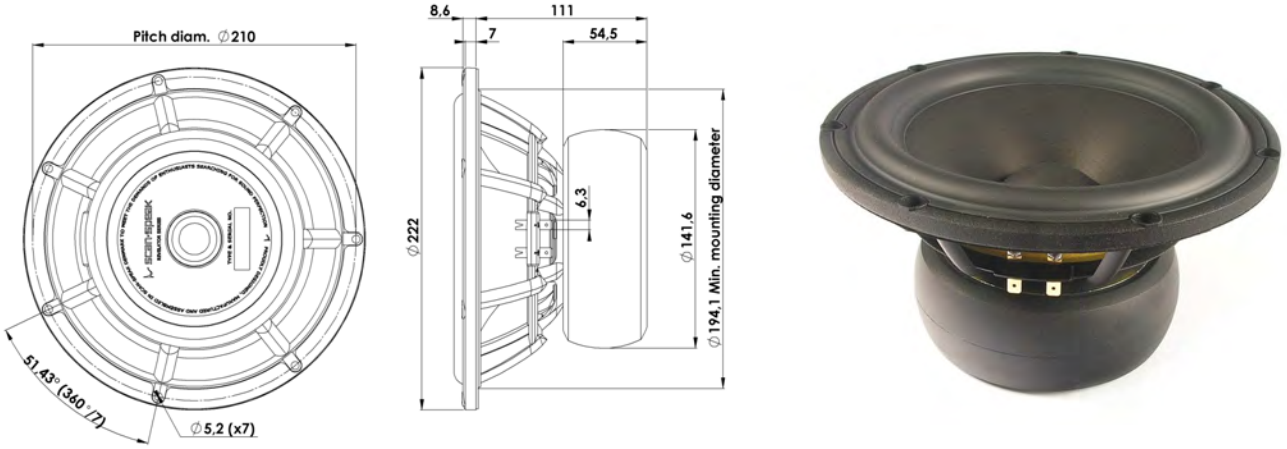
REVELATOR

WOOFER 22W/4851T00

The Revelator woofers and subwoofers features very rigid cones in paper or aluminium that operates as a piston over a wide frequency range, in combination with Scan-Speaks low-loss linear suspension and the patented Symmetrical Drive (SD-1) it results in very low distortion and a smooth and well behaved frequency response as well as perfect transient reproduction.



KEY FEATURES:

- Patented Symmetrical Drive Motor Design
- Low-Loss linear suspension
- Die cast Alu Chassis vented below spider
- Rigid Paper Cone
- Low Damping SBR Rubber Surround
- Ferrite Magnet System w. Rubber Boot

T-S Parameters	
Resonance frequency [fs]	21 Hz
Mechanical Q factor [Qms]	5.20
Electrical Q factor [Qes]	0.23
Total Q factor [Qts]	0.22
Force factor [Bl]	8.2 Tm
Mechanical resistance [Rms]	0.81 kg/s
Moving mass [Mms]	32.5 g
Compliance [Cms]	1.85 mm/N
Effective diaph. diameter [D]	167 mm
Effective piston area [Sd]	220 cm²
Equivalent volume [Vas]	126 l
Sensitivity (2.83V/1m)	89 dB
Ratio Bl/√Re	4.26 N/√W
Ratio fs/Qts	93 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: April 23, 2014.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.5 Ω
Maximum impedance [Zo]	87.4 Ω
DC resistance [Re]	3.7 Ω
Voice coil inductance [Le]	0.3 mH

Power Handling	
100h RMS noise test (IEC 17.1)	80 W
Long-term max power (IEC 17.3)	200 W

Voice Coil & Magnet Data	
Voice coil diameter	50 mm
Voice coil height	24 mm
Voice coil layers	2
Height of gap	6 mm
Linear excursion	± 9 mm
Max mech. excursion	± 14 mm
Unit weight	3.6 kg

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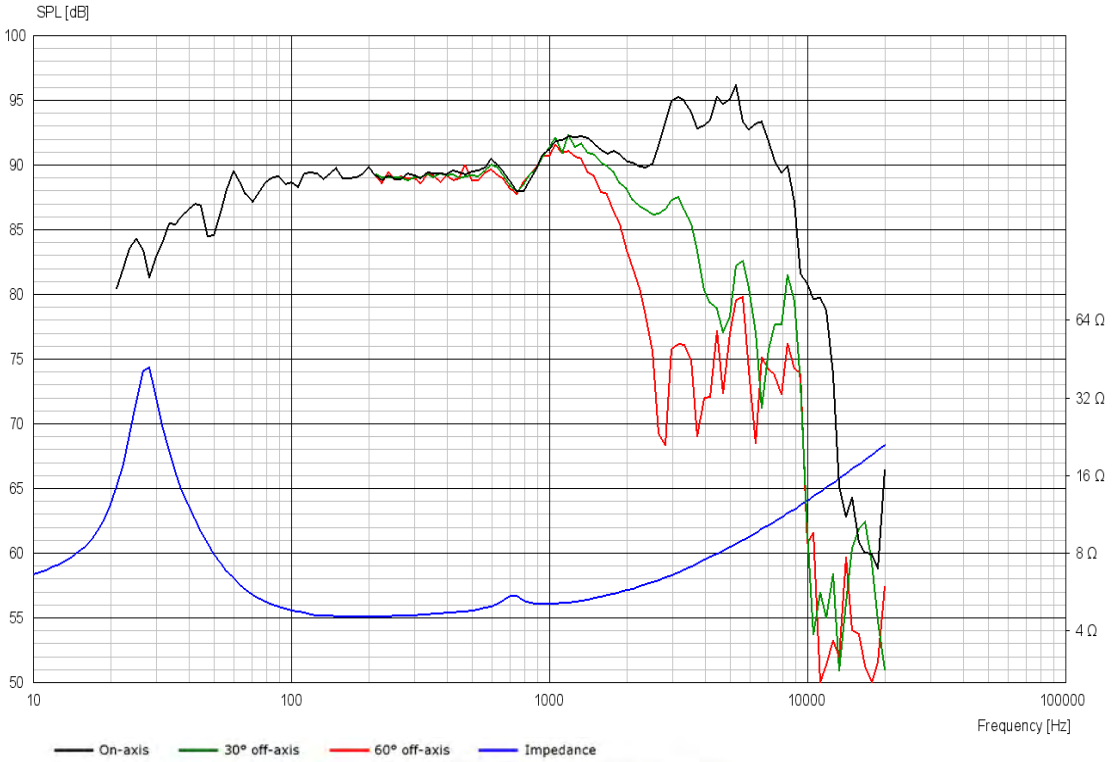
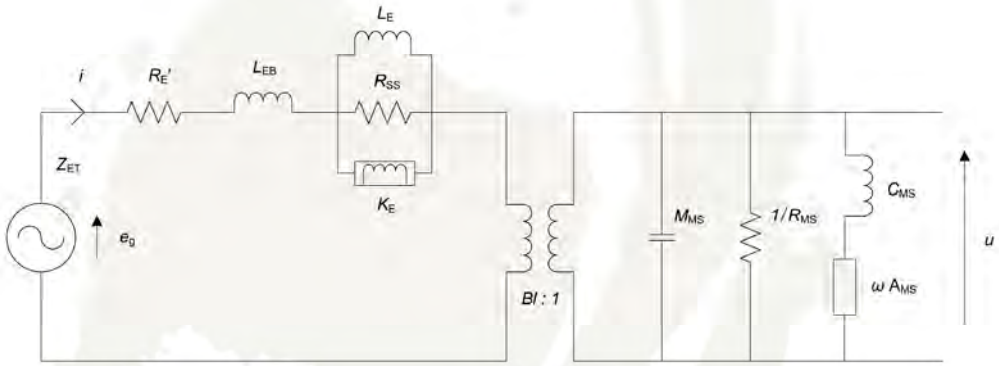
REVELATOR

WOOFER 22W/4851T00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.70 Ω
Free inductance [Leb]	0.121 mH
Bound inductance [Le]	7.63 mH
Semi-inductance [Ke]	0.019 SH
Shunt resistance [Rss]	44 Ω

Mechanical Data	
Force Factor [Bl]	7.62 Tm
Moving mass [Mms]	34.2 g
Compliance [Cms]	1.42 mm/N
Mechanical resistance [Rms]	0.88 kg/s
Admittance [Ams]	0.17 mm/N

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REVELATOR

WOOFER 22W/8851T00

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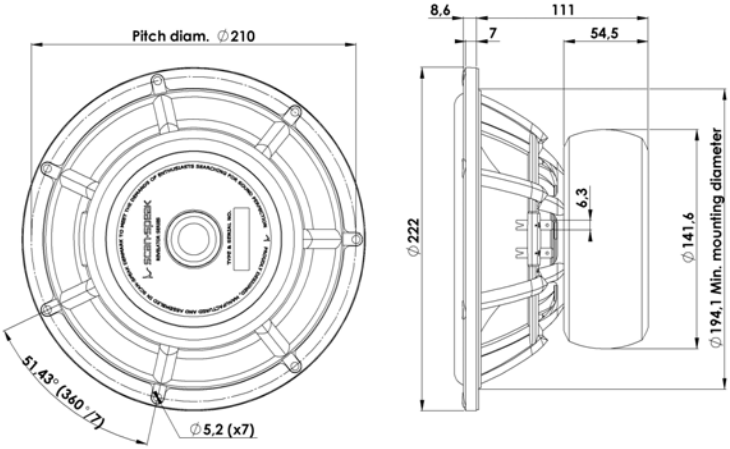

KEY FEATURES:

- Patented Symmetrical Drive Motor Design
- Low-Loss linear suspension
- Die cast Alu Chassis vented below spider
- Rigid Paper Cone
- Low Damping SBR Rubber Surround
- Ferrite Magnet System w. Rubber Boot

T-S Parameters	
Resonance frequency [fs]	21 Hz
Mechanical Q factor [Qms]	5.10
Electrical Q factor [Qes]	0.26
Total Q factor [Qts]	0.25
Force factor [Bl]	9.9 Tm
Mechanical resistance [Rms]	0.80 kg/s
Moving mass [Mms]	31 g
Compliance [Cms]	1.85 mm/N
Effective diaph. diameter [D]	167 mm
Effective piston area [Sd]	220 cm²
Equivalent volume [Vas]	126 l
Sensitivity (2.83V/1m)	88 dB
Ratio Bl/√Re	3.98 N/√W
Ratio fs/Qts	85 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: April 23, 2014.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	7.2 Ω
Maximum impedance [Zo]	128 Ω
DC resistance [Re]	6.2 Ω
Voice coil inductance [Le]	0.35 mH

Power Handling	
100h RMS noise test (IEC 17.1)	80 W
Long-term max power (IEC 17.3)	200 W

Voice Coil & Magnet Data	
Voice coil diameter	50 mm
Voice coil height	24 mm
Voice coil layers	2
Height of gap	6 mm
Linear excursion	± 9 mm
Max mech. excursion	± 14 mm
Unit weight	3.6 kg

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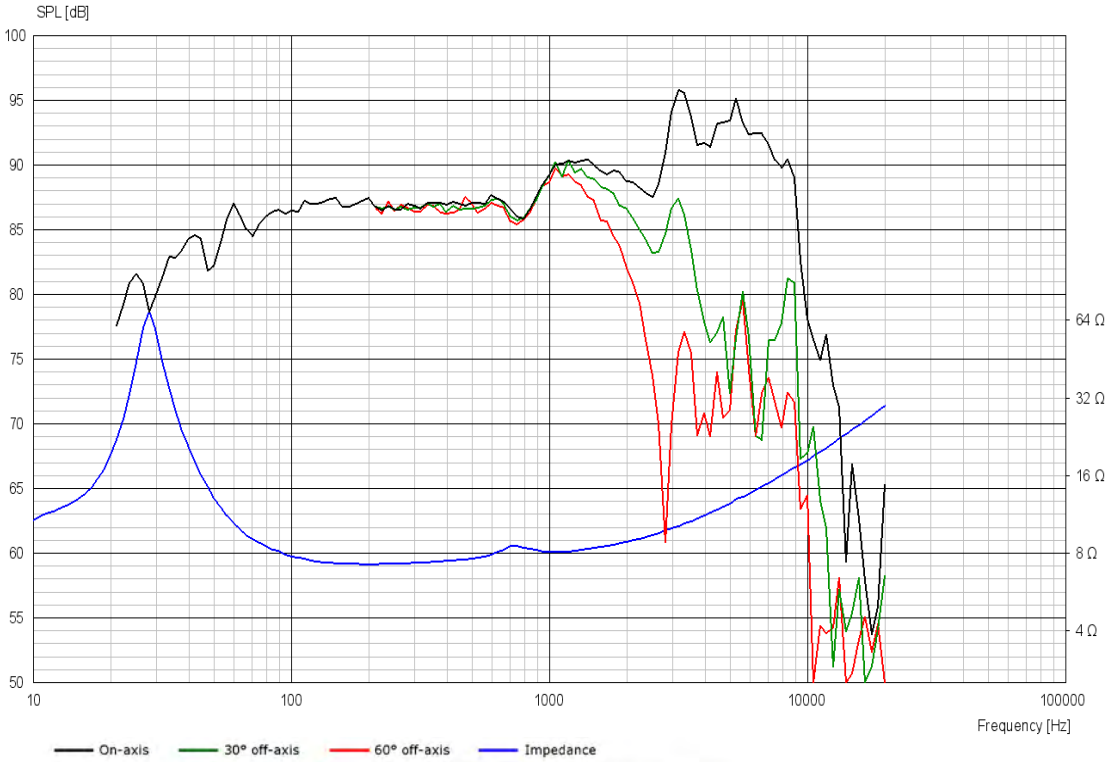
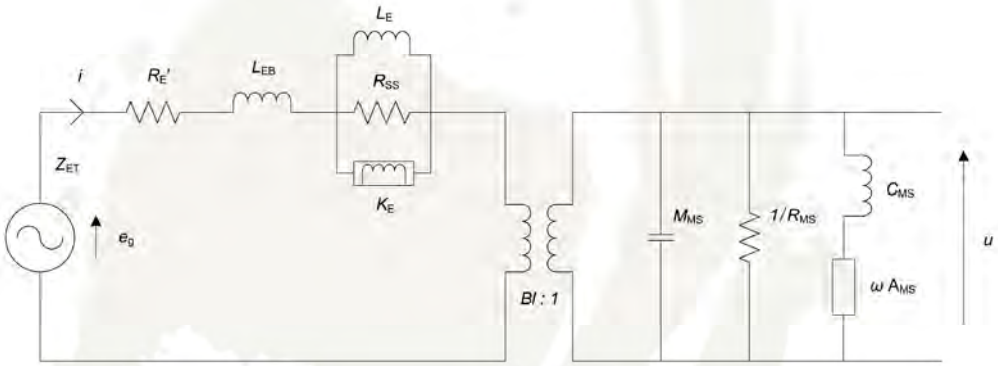
REVELATOR

WOOFER 22W/8851T00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	6.38 Ω
Free inductance [Leb]	0.175 mH
Bound inductance [Le]	12.52 mH
Semi-inductance [Ke]	0.025 SH
Shunt resistance [Rss]	564 Ω

Mechanical Data	
Force Factor [Bl]	9.20 Tm
Moving mass [Mms]	34.0 g
Compliance [Cms]	1.74 mm/N
Mechanical resistance [Rms]	0.92 kg/s
Admittance [Ams]	0.31 mm/N

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REVELATOR

WOOFER 22W/8857T00

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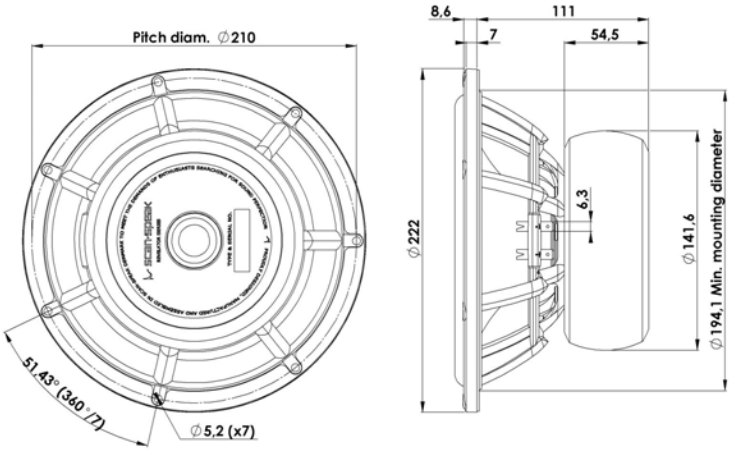

KEY FEATURES:

- Patented Symmetrical Drive Motor Design
- Low-Loss linear suspension
- Die cast Alu Chassis vented below spider
- Rigid Black Anodized Alu Cone
- Low Damping SBR Rubber Surround
- Ferrite Magnet System w. Rubber Boot

T-S Parameters	
Resonance frequency [fs]	23 Hz
Mechanical Q factor [Qms]	4.90
Electrical Q factor [Qes]	0.32
Total Q factor [Qts]	0.30
Force factor [Bl]	10.1 Tm
Mechanical resistance [Rms]	1.09 kg/s
Moving mass [Mms]	37 g
Compliance [Cms]	1.29 mm/N
Effective diaph. diameter [D]	167 mm
Effective piston area [Sd]	220 cm²
Equivalent volume [Vas]	87.7 l
Sensitivity (2.83V/1m)	86 dB
Ratio Bl/√Re	4.06 N/√W
Ratio fs/Qts	77 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: April 23, 2014.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	7.2 Ω
Maximum impedance [Zo]	101 Ω
DC resistance [Re]	6.2 Ω
Voice coil inductance [Le]	0.35 mH

Power Handling	
100h RMS noise test (IEC 17.1)	80 W
Long-term max power (IEC 17.3)	200 W

Voice Coil & Magnet Data	
Voice coil diameter	50 mm
Voice coil height	24 mm
Voice coil layers	2
Height of gap	6 mm
Linear excursion	± 9 mm
Max mech. excursion	± 14 mm
Unit weight	3.6 kg

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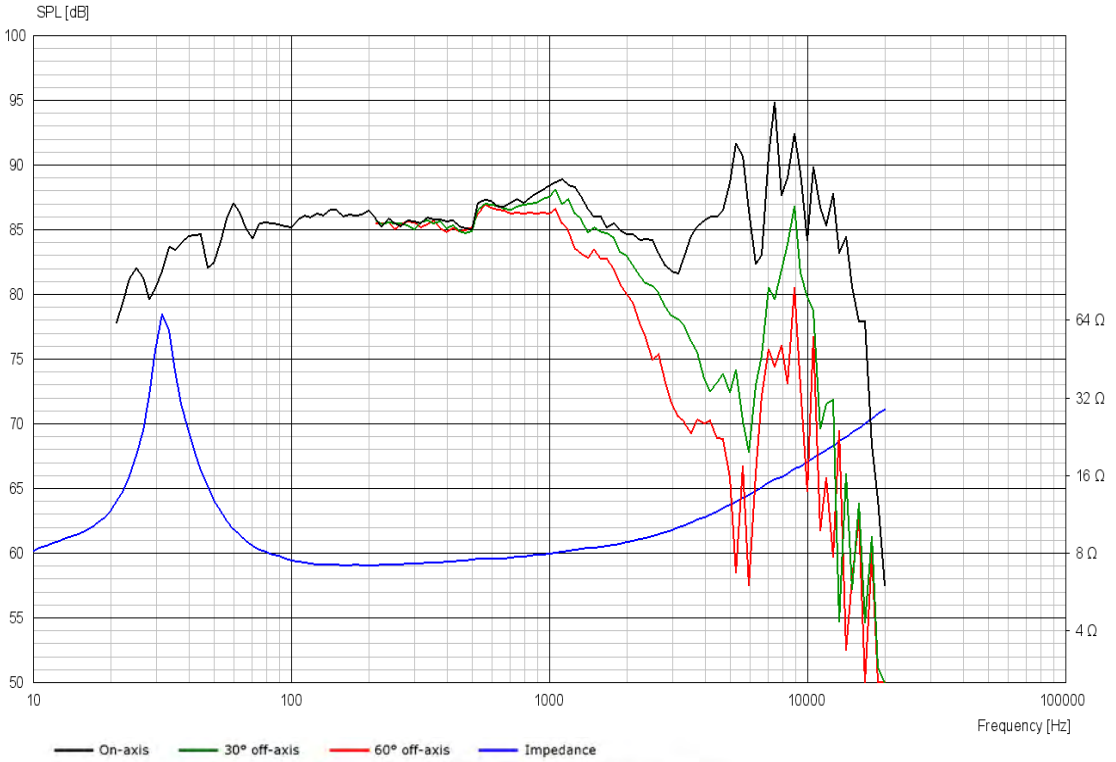
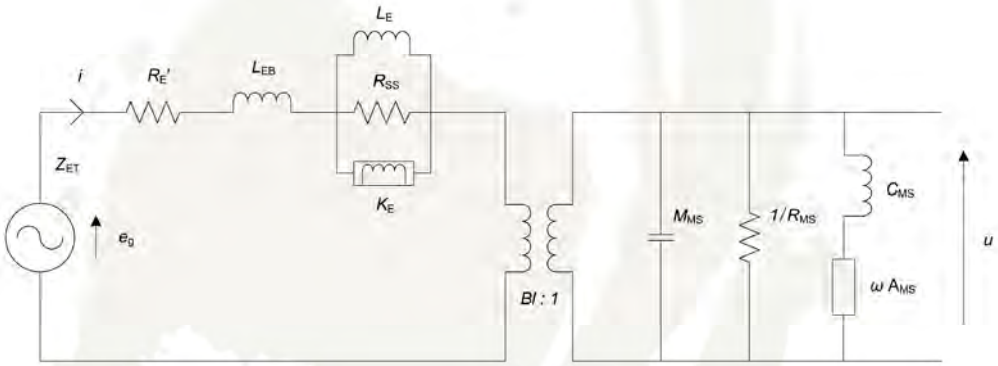
REVELATOR

WOOFER 22W/8857T00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	6.31 Ω
Free inductance [Leb]	0.180 mH
Bound inductance [Le]	12.8 mH
Semi-inductance [Ke]	0.0257 SH
Shunt resistance [Rss]	30.6 Ω

Mechanical Data	
Force Factor [Bl]	8.78 Tm
Moving mass [Mms]	38.4 g
Compliance [Cms]	0.666 mm/N
Mechanical resistance [Rms]	0.840 kg/s
Admittance [Ams]	0.0488 mm/N

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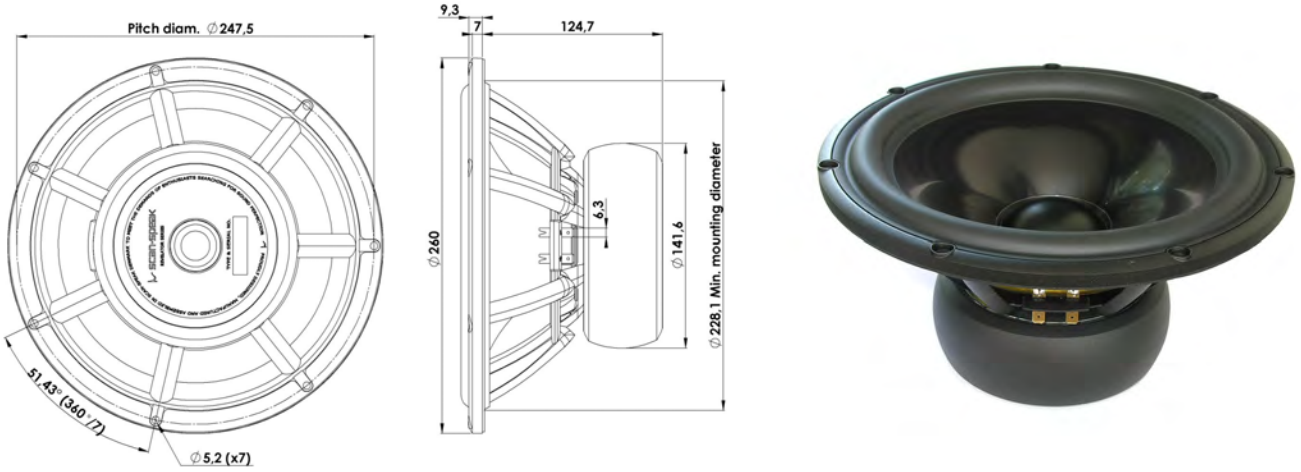
REVELATOR

WOOFER 26W/4867T00

The Revelator woofers and subwoofers features very rigid cones in paper or aluminium that operates as a piston over a wide frequency range, in combination with Scan-Speaks low-loss linear suspension and the patented Symmetrical Drive (SD-1) it results in very low distortion and a smooth and well behaved frequency response as well as perfect transient reproduction.



KEY FEATURES:

- Patented Symmetrical Drive Motor Design
- Low-Loss linear suspension
- Die cast Alu Chassis vented below spider
- Rigid Black Anodized Alu Cone
- Low Damping SBR Rubber Surround
- Ferrite Magnet System w. Rubber Boot

T-S Parameters	
Resonance frequency [fs]	18 Hz
Mechanical Q factor [Qms]	5.80
Electrical Q factor [Qes]	0.31
Total Q factor [Qts]	0.29
Force factor [Bl]	8.3 Tm
Mechanical resistance [Rms]	0.99 kg/s
Moving mass [Mms]	51 g
Compliance [Cms]	1.53 mm/N
Effective diaph. diameter [D]	202 mm
Effective piston area [Sd]	320 cm²
Equivalent volume [Vas]	220 l
Sensitivity (2.83V/1m)	89 dB
Ratio Bl/√Re	4.31 N/√W
Ratio fs/Qts	61 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: April 23, 2014.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.4 Ω
Maximum impedance [Zo]	72.9 Ω
DC resistance [Re]	3.7 Ω
Voice coil inductance [Le]	0.25 mH

Power Handling	
100h RMS noise test (IEC 17.1)	80 W
Long-term max power (IEC 17.3)	200 W

Voice Coil & Magnet Data	
Voice coil diameter	50 mm
Voice coil height	24 mm
Voice coil layers	2
Height of gap	6 mm
Linear excursion	± 9 mm
Max mech. excursion	± 14 mm
Unit weight	3.7 kg

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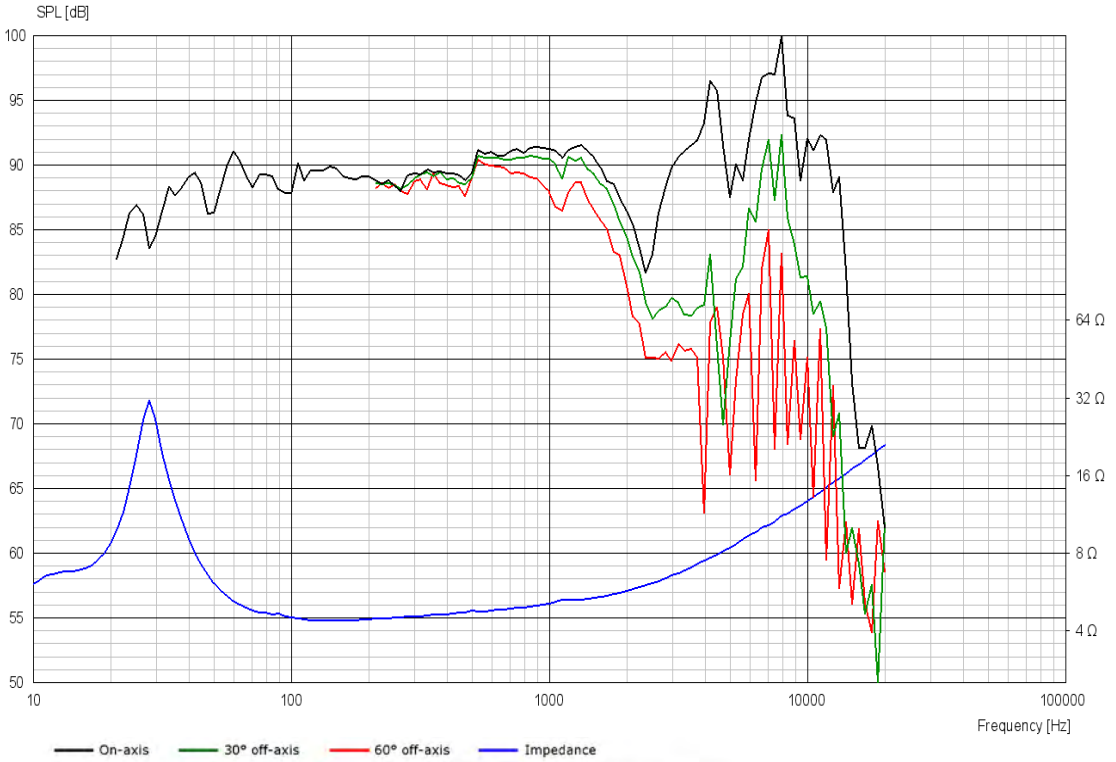
REVELATOR

WOOFER 26W/4867T00



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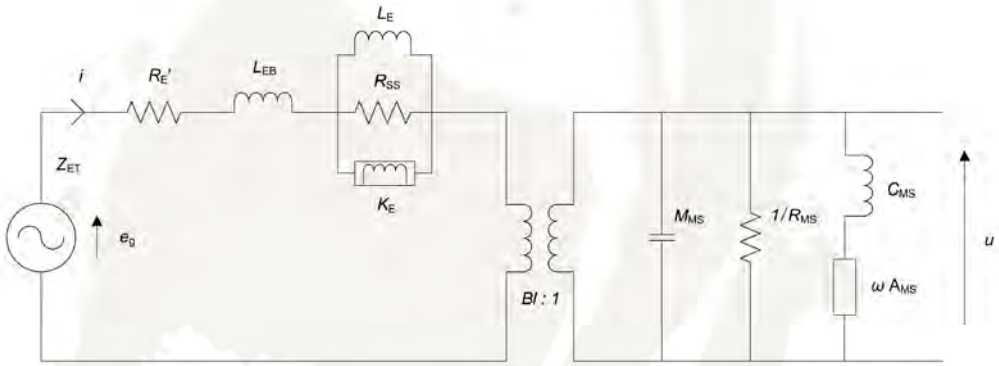

Electrical data	
Resistance [Re']	3.64 Ω
Free inductance [Leb]	0.130 mH
Bound inductance [Le]	9.00 mH
Semi-inductance [Ke]	0.0191 SH
Shunt resistance [Rss]	19.5 Ω

Mechanical Data	
Force Factor [Bl]	7.50 Tm
Moving mass [Mms]	53.3 g
Compliance [Cms]	1.27 mm/N
Mechanical resistance [Rms]	1.19 kg/s
Admittance [Ams]	0.176 mm/N

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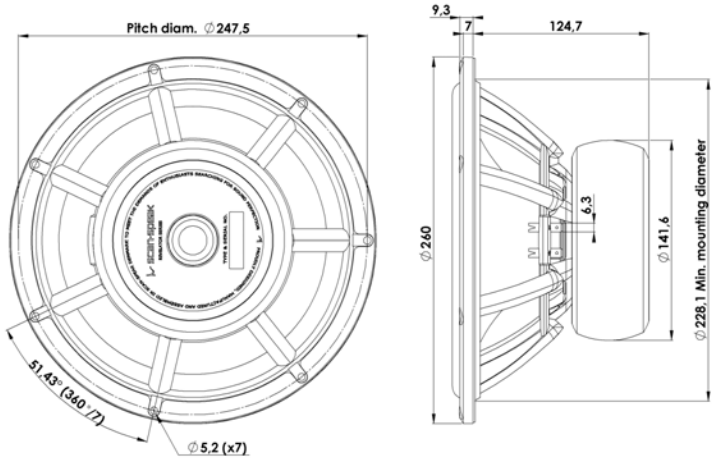
REVELATOR

WOOFER 26W/8861T00

The Revelator woofers and subwoofers features very rigid cones in paper or aluminium that operates as a piston over a wide frequency range, in combination with Scan-Speaks low-loss linear suspension and the patented Symmetrical Drive (SD-1) it results in very low distortion and a smooth and well behaved frequency response as well as perfect transient reproduction.



KEY FEATURES:

- Patented Symmetrical Drive Motor Design
- Low-Loss linear suspension
- Die cast Alu Chassis vented below spider
- Rigid Paper Cone
- Low Damping SBR Rubber Surround
- Ferrite Magnet System w. Rubber Boot

T-S Parameters	
Resonance frequency [fs]	19 Hz
Mechanical Q factor [Qms]	5.20
Electrical Q factor [Qes]	0.33
Total Q factor [Qts]	0.31
Force factor [Bl]	9.9 Tm
Mechanical resistance [Rms]	1.00 kg/s
Moving mass [Mms]	43.5 g
Compliance [Cms]	1.61 mm/N
Effective diaph. diameter [D]	202 mm
Effective piston area [Sd]	320 cm²
Equivalent volume [Vas]	231 l
Sensitivity (2.83V/1m)	88.5 dB
Ratio Bl/√Re	3.98 N/√W
Ratio fs/Qts	61 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: April 23, 2014.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	7.1 Ω
Maximum impedance [Zo]	104 Ω
DC resistance [Re]	6.2 Ω
Voice coil inductance [Le]	0.35 mH

Power Handling	
100h RMS noise test (IEC 17.1)	80 W
Long-term max power (IEC 17.3)	200 W

Voice Coil & Magnet Data	
Voice coil diameter	50 mm
Voice coil height	24 mm
Voice coil layers	2
Height of gap	6 mm
Linear excursion	± 9 mm
Max mech. excursion	± 14 mm
Unit weight	3.7 kg

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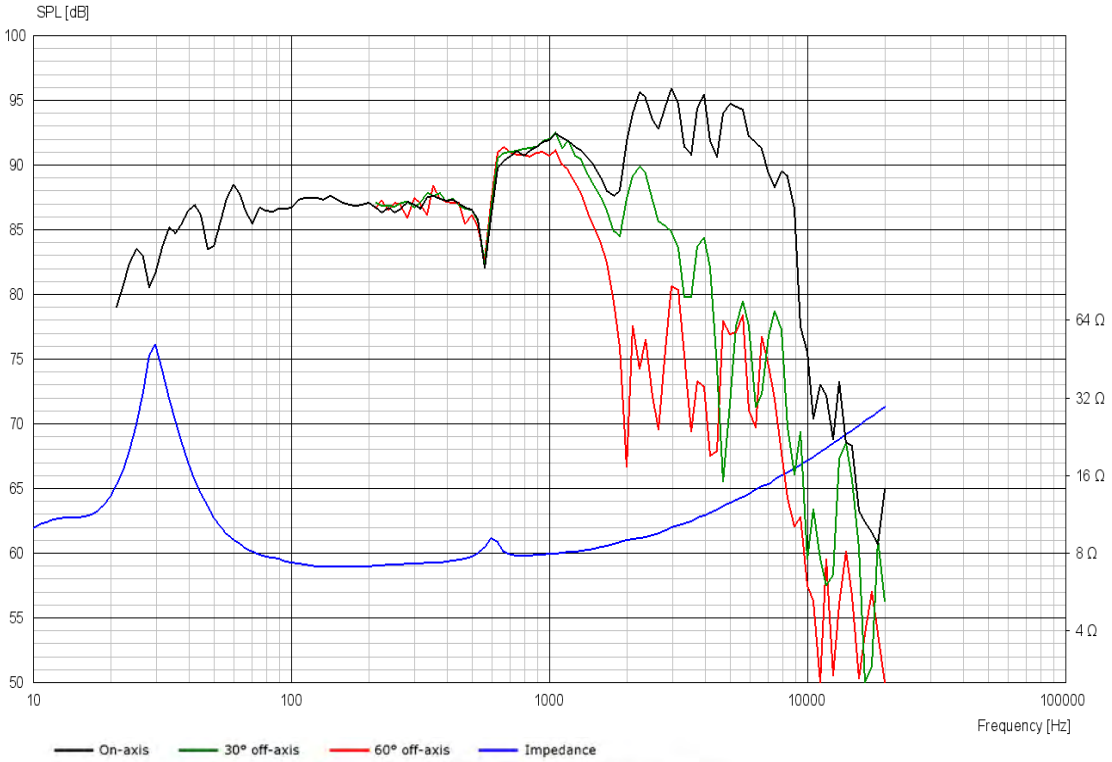
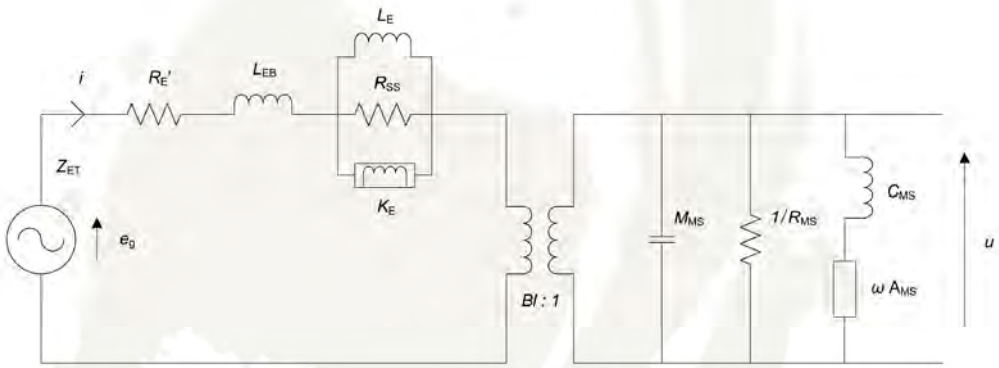
REVELATOR

WOOFER 26W/8861T00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	6.34 Ω
Free inductance [Leb]	0.165 mH
Bound inductance [Le]	11.05 mH
Semi-inductance [Ke]	0.028 SH
Shunt resistance [Rss]	203 Ω

Mechanical Data	
Force Factor [Bl]	8.76 Tm
Moving mass [Mms]	45.5 g
Compliance [Cms]	0.77 mm/N
Mechanical resistance [Rms]	1.04 kg/s
Admittance [Ams]	0.08 mm/N

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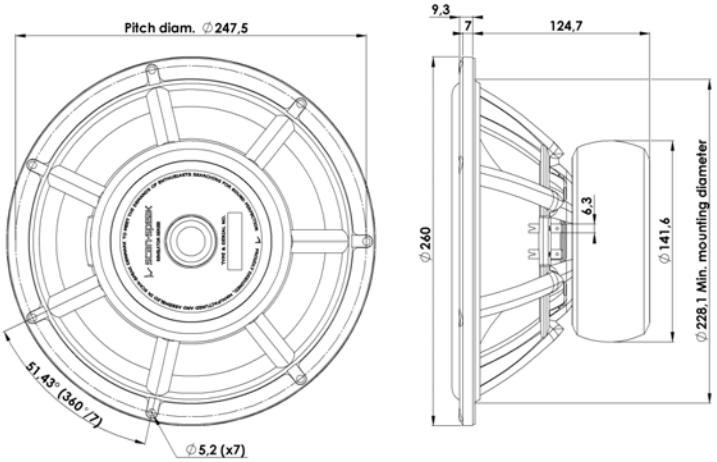
REVELATOR

WOOFER 26W/8867T00

The Revelator woofers and subwoofers features very rigid cones in paper or aluminium that operates as a piston over a wide frequency range, in combination with Scan-Speaks low-loss linear suspension and the patented Symmetrical Drive (SD-1) it results in very low distortion and a smooth and well behaved frequency response as well as perfect transient reproduction.



KEY FEATURES:

- Patented Symmetrical Drive Motor Design
- Low-Loss linear suspension
- Die cast Alu Chassis vented below spider
- Rigid Black Anodized Alu Cone
- Low Damping SBR Rubber Surround
- Ferrite Magnet System w. Rubber Boot

T-S Parameters	
Resonance frequency [fs]	19 Hz
Mechanical Q factor [Qms]	4.50
Electrical Q factor [Qes]	0.31
Total Q factor [Qts]	0.29
Force factor [Bl]	11.2 Tm
Mechanical resistance [Rms]	1.51 kg/s
Moving mass [Mms]	57 g
Compliance [Cms]	1.23 mm/N
Effective diaph. diameter [D]	202 mm
Effective piston area [Sd]	320 cm²
Equivalent volume [Vas]	176 l
Sensitivity (2.83V/1m)	87 dB
Ratio Bl/√Re	4.65 N/√W
Ratio fs/Qts	66 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: April 23, 2014.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.8 Ω
Maximum impedance [Zo]	90.0 Ω
DC resistance [Re]	5.8 Ω
Voice coil inductance [Le]	0.4 mH

Power Handling	
100h RMS noise test (IEC 17.1)	80 W
Long-term max power (IEC 17.3)	200 W

Voice Coil & Magnet Data	
Voice coil diameter	50 mm
Voice coil height	24 mm
Voice coil layers	2
Height of gap	6 mm
Linear excursion	± 9 mm
Max mech. excursion	± 14 mm
Unit weight	3.7 kg

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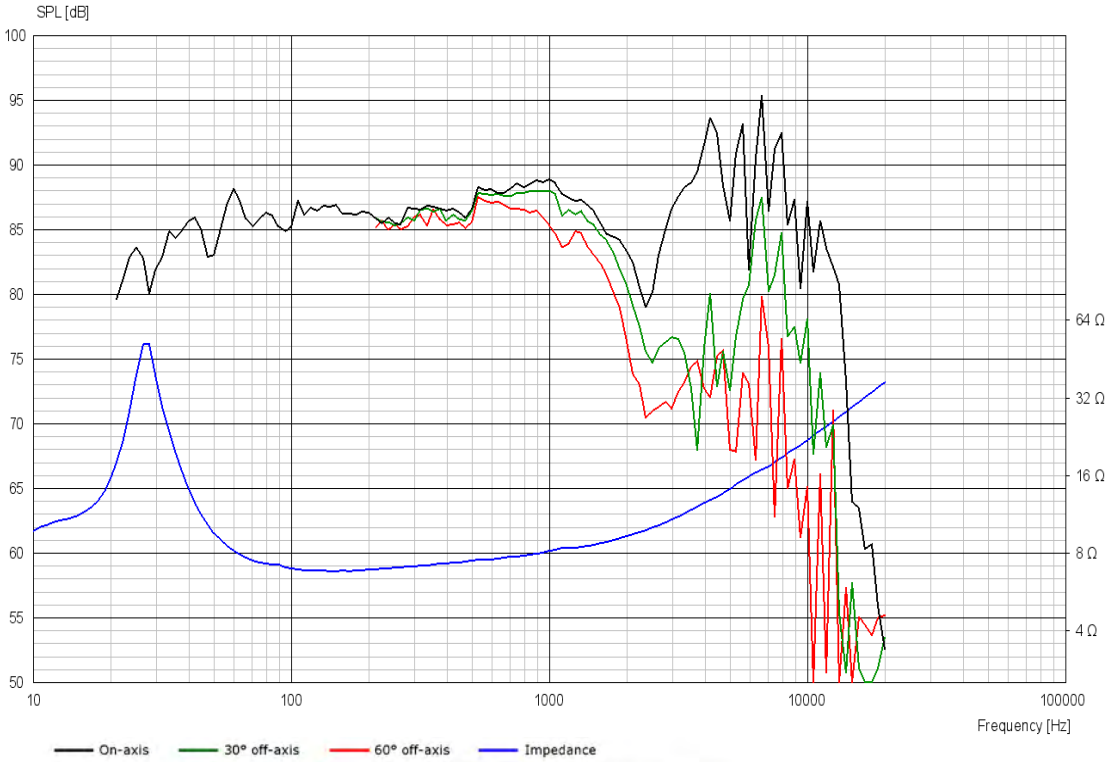
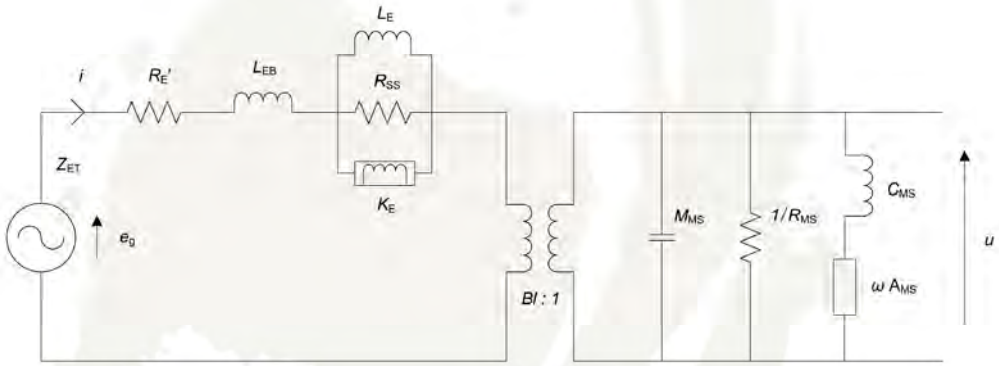
REVELATOR

WOOFER 26W/8867T00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	6.32 Ω
Free inductance [Leb]	0.170 mH
Bound inductance [Le]	0.823 mH
Semi-inductance [Ke]	0.0379 SH
Shunt resistance [Rss]	2309 Ω

Mechanical Data	
Force Factor [Bl]	9.28 Tm
Moving mass [Mms]	54.3 g
Compliance [Cms]	1.12 mm/N
Mechanical resistance [Rms]	0.086 kg/s
Admittance [Ams]	0.210 mm/N

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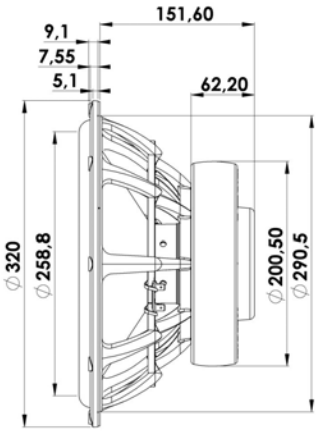
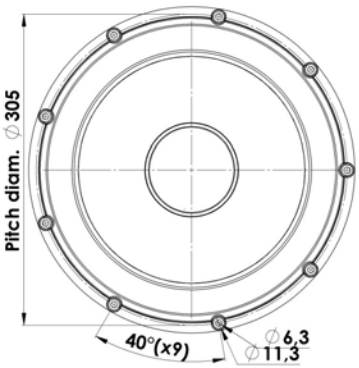
REVELATOR

WOOFER 32W/4878T01

The 32W/4878T01 is a powerful woofer designed by Scan-speak. Its large 3” voice coil and low resonance frequency is perfect to reproduce low to mid frequencies at with high efficiency. It features a brand new type of paper-sandwich cone with a special foam filling technology (patented) that gives the cone very high stiffness and relative low weight. The motor system has heavy-duty copper sleeves for optimizing eddy currents effect and minimized self-induction.





KEY FEATURES:

- Paper sandwich cone with Patented foam filling
- Patented Symmetrical Drive motor
- Spider with balanced woven in tinsel leads
- Lin. excursion (±7.0 mm) with high efficiency
- 3” Voice coil, Titanium former and paper reinforced
- Stiff and strong die cast aluminium chassis

T-S Parameters	
Resonance frequency [fs]	23 Hz
Mechanical Q factor [Qms]	6.0
Electrical Q factor [Qes]	0.30
Total Q factor [Qts]	0.28
Force factor [Bl]	13 Tm
Mechanical resistance [Rms]	2.7 kg/s
Moving mass [Mms]	112 g
Compliance [Cms]	0.43 mm/N
Effective diaph. diameter [D]	260 mm
Effective piston area [Sd]	531 cm²
Equivalent volume [Vas]	170 l
Sensitivity (2.83V/1m)	92 dB
Ratio Bl/√Re	7.4 N/√W
Ratio fs/Qts	82 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: April 5, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	- Ω
Maximum impedance [Zo]	- Ω
DC resistance [Re]	3.1 Ω
Voice coil inductance [Le]	0.3 mH

Power Handling	
100h RMS noise test (IEC 17.1)	150 W
Long-term max power (IEC 17.3)	400 W

Voice Coil & Magnet Data	
Voice coil diameter	75 mm
Voice coil height	22 mm
Voice coil layers	2
Height of gap	8 mm
Linear excursion	± 7 mm
Max mech. excursion	± 28 mm
Unit weight	7.5 kg

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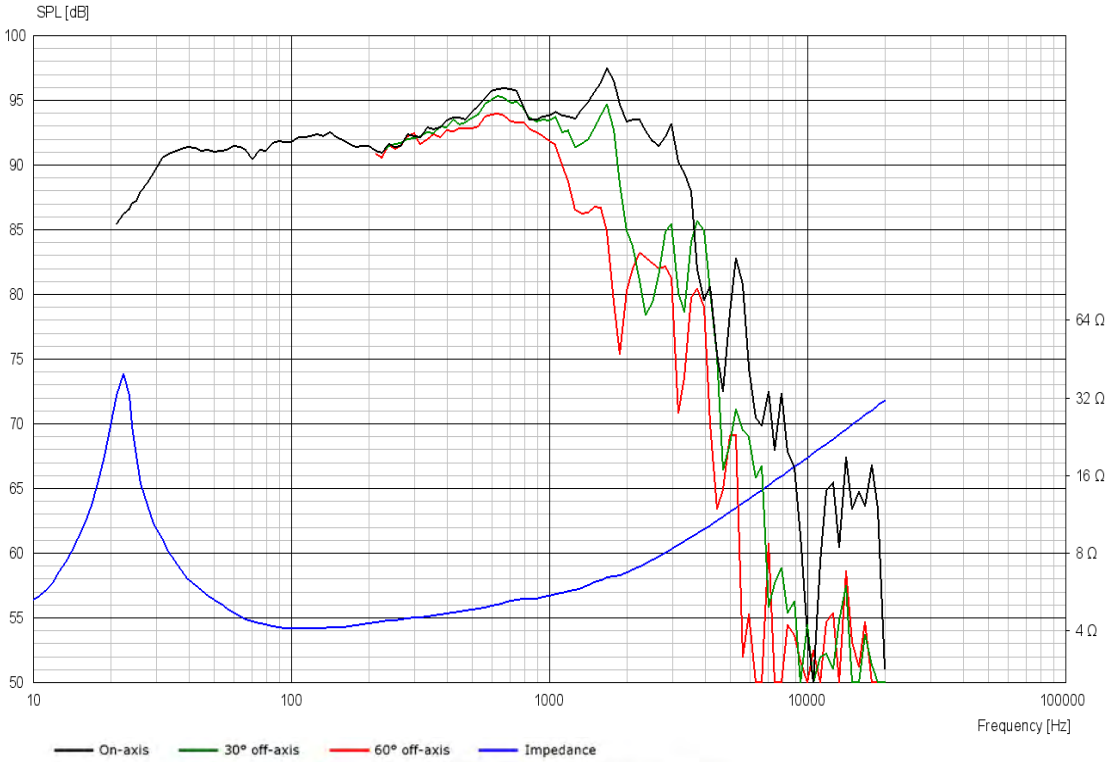
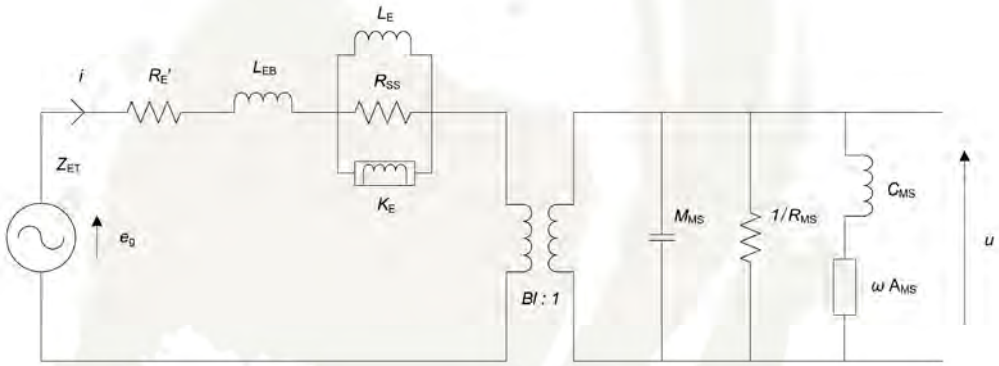
REVELATOR

WOOFER 32W/4878T01



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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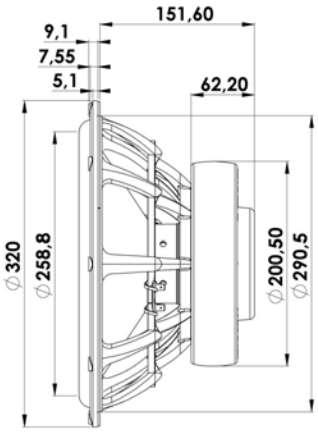
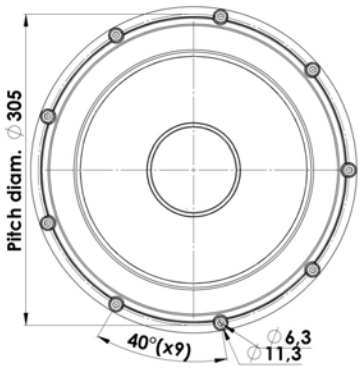
REVELATOR

WOOFER 32W/8878T01

The 32W/4878T01 the most powerful woofer designed by Scan-speak. Its large 3” voice coil and low resonance frequency is perfect to reproduce low to mid frequencies at with high efficiency. It features a brand new type of paper-sandwich cone with a special foam filling technology (patented) that gives the cone very high stiffness and relative low weight. The motor system has heavy-duty copper sleeves for optimizing eddy currents effect and minimized self-induction.





KEY FEATURES:

- Paper sandwich cone with Patented foam filling
- Spider with balanced woven in tinsel leads
- 3” Voice coil, Titanium former and paper reinforced
- Patented Symmetrical Drive motor
- Long linear excursion (+/- 7.5 mm)
- Stiff and strong die cast aluminium chassis

T-S Parameters	
Resonance frequency [fs]	19.1 Hz
Mechanical Q factor [Qms]	5.69
Electrical Q factor [Qes]	0.35
Total Q factor [Qts]	0.33
Force factor [Bl]	15.6 Tm
Mechanical resistance [Rms]	2.4 kg/s
Moving mass [Mms]	114.8 g
Compliance [Cms]	0.60 mm/N
Effective diaph. diameter [D]	129 mm
Effective piston area [Sd]	526 cm²
Equivalent volume [Vas]	234 l
Sensitivity (2.83V/1m)	89 dB
Ratio Bl/√Re	6.3 N/√W
Ratio fs/Qts	57.9 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: April 5, 2013.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	7.2 Ω
Maximum impedance [Zo]	56.8 Ω
DC resistance [Re]	6.1 Ω
Voice coil inductance [Le]	0.68 mH

Power Handling	
100h RMS noise test (IEC 17.1)	150 W
Long-term max power (IEC 17.3)	400 W

Voice Coil & Magnet Data	
Voice coil diameter	75 mm
Voice coil height	23 mm
Voice coil layers	2
Height of gap	8 mm
Linear excursion	± 7.5 mm
Max mech. excursion	± 28 mm
Unit weight	7.5 kg

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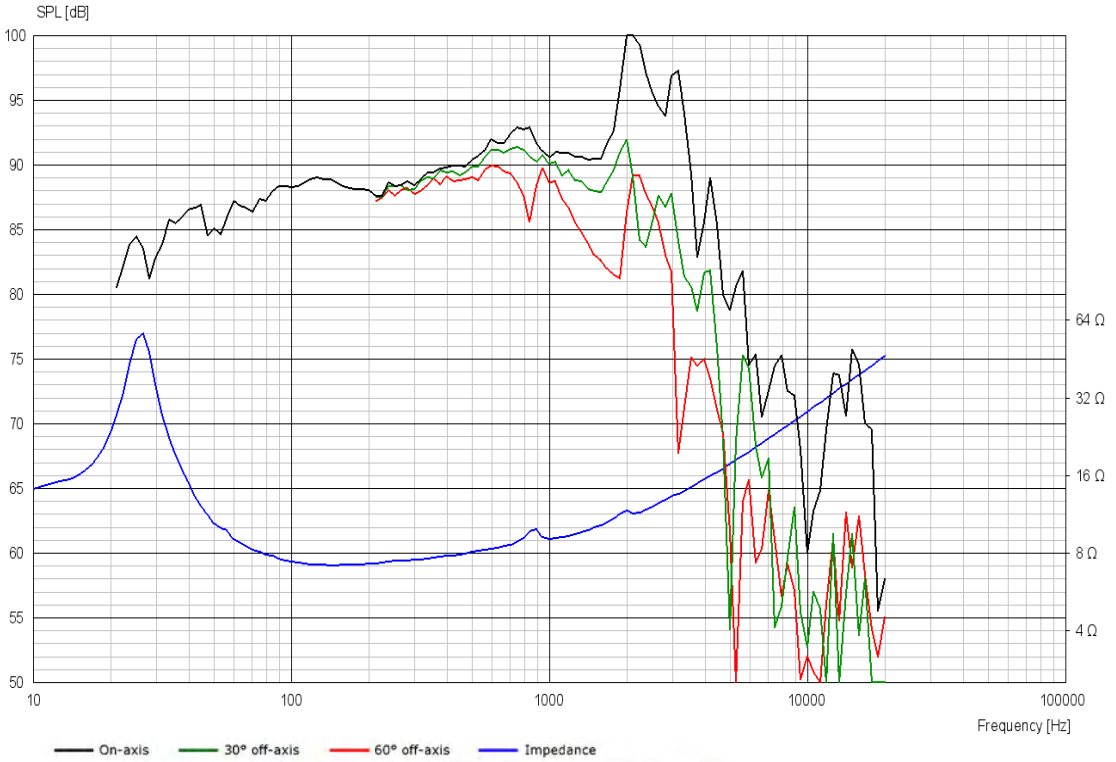
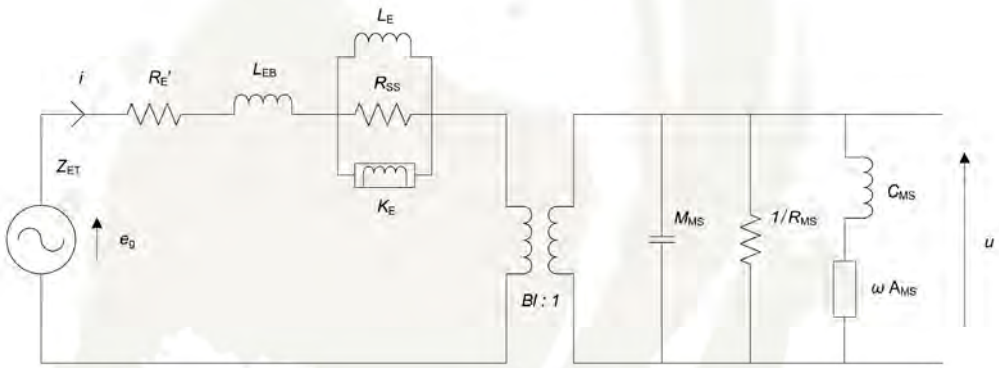
REVELATOR

WOOFER 32W/8878T01



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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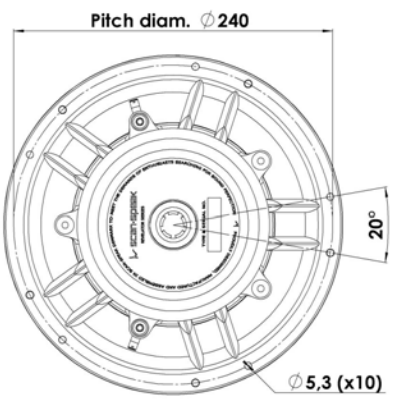
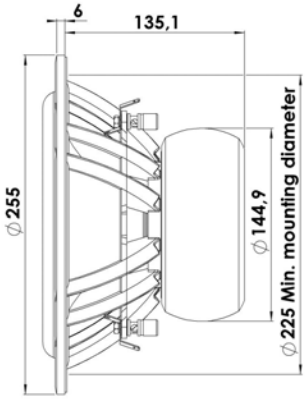
REVELATOR

SUBWOOFER 23W/4557T00

The Revelator woofers and subwoofers features very rigid cones in paper or aluminium that operates as a piston over a wide frequency range, in combination with Scan-Speaks linear suspension and the patented Symmetrical Drive (SD-1) it results in very low distortion and a smooth and well behaved frequency response as well as perfect transient reproduction.





KEY FEATURES:

- Patented Symmetrical Drive Motor Design
- Long Throw Surround
- Ferrite Magnet System w. Rubber Boot
- Silver Anodized Rigid Alu Cone
- Die cast Alu Chassis vented below spider
- Gold Binding Post Terminals

T-S Parameters	
Resonance frequency [fs]	21 Hz
Mechanical Q factor [Qms]	4.80
Electrical Q factor [Qes]	0.52
Total Q factor [Qts]	0.47
Force factor [Bl]	9.3 Tm
Mechanical resistance [Rms]	2.71 kg/s
Moving mass [Mms]	101 g
Compliance [Cms]	0.60 mm/N
Effective diaph. diameter [D]	172 mm
Effective piston area [Sd]	232 cm²
Equivalent volume [Vas]	45.0 l
Sensitivity (2.83V/1m)	82 dB
Ratio Bl/√Re	5.01 N/√W
Ratio fs/Qts	44 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.6 Ω
Maximum impedance [Zo]	35.3 Ω
DC resistance [Re]	3.45 Ω
Voice coil inductance [Le]	0.45 mH

Power Handling	
100h RMS noise test (IEC 17.1)	225 W
Long-term max power (IEC 17.3)	350 W

Voice Coil & Magnet Data	
Voice coil diameter	50 mm
Voice coil height	34 mm
Voice coil layers	2
Height of gap	8 mm
Linear excursion	± 13 mm
Max mech. excursion	± 20 mm
Unit weight	4.6 kg

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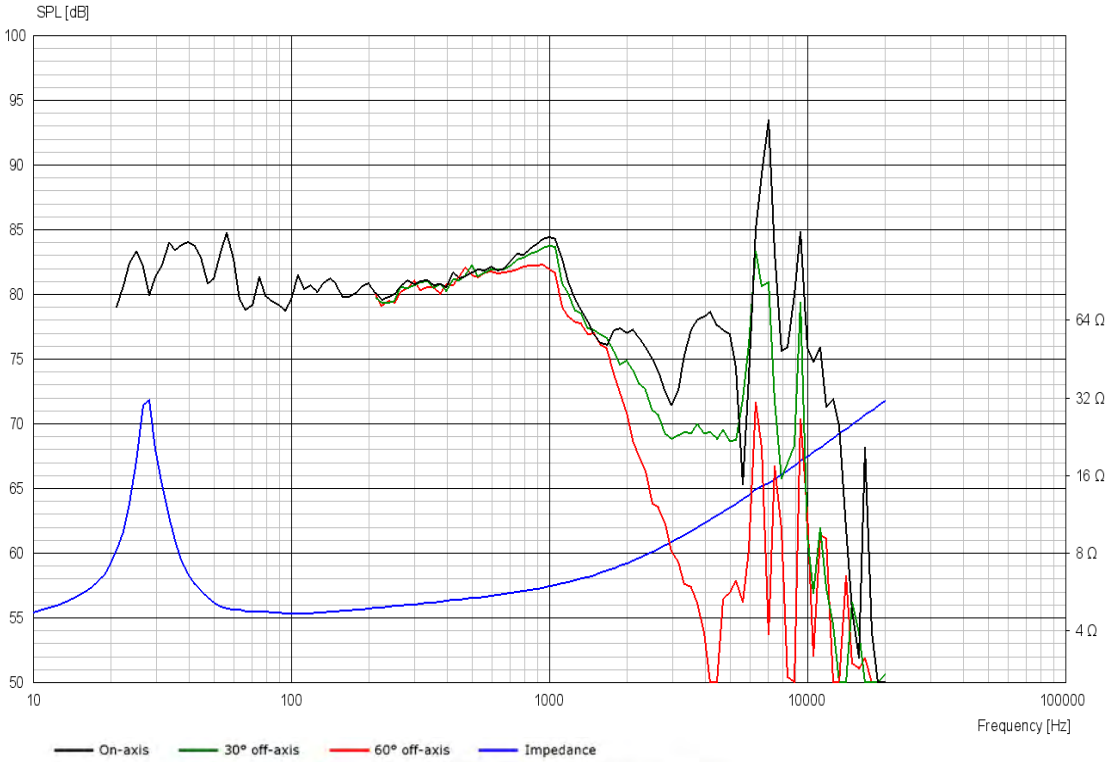
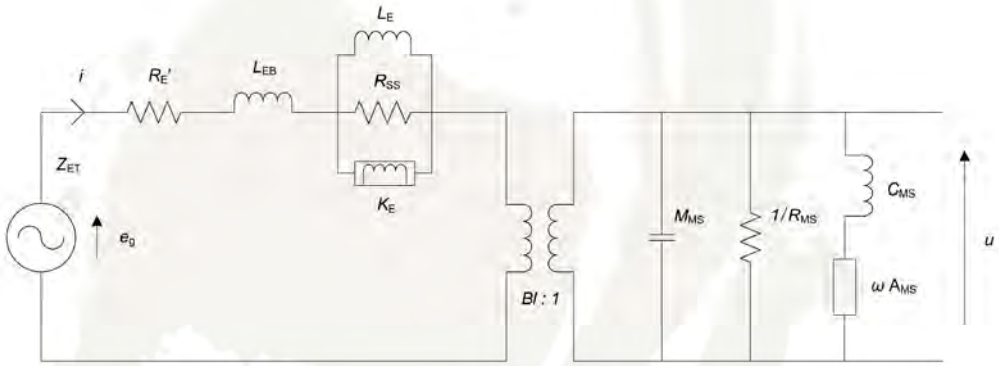
REVELATOR

SUBWOOFER 23W/4557T00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.54 Ω
Free inductance [Leb]	0.192 mH
Bound inductance [Le]	14.33 mH
Semi-inductance [Ke]	0.028 SH
Shunt resistance [Rss]	75 Ω

Mechanical Data	
Force Factor [Bl]	8.20 Tm
Moving mass [Mms]	103.0 g
Compliance [Cms]	0.39 mm/N
Mechanical resistance [Rms]	1.87 kg/s
Admittance [Ams]	0.03 mm/N

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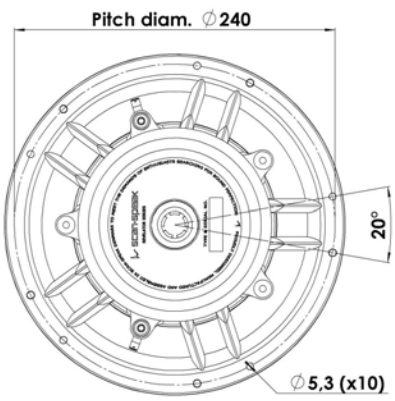
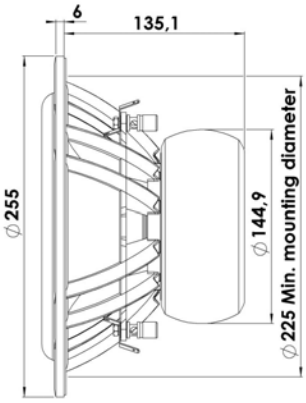
REVELATOR

SUBWOOFER 23W/4557T02

The Revelator woofers and subwoofers features very rigid cones in paper or aluminium that operates as a piston over a wide frequency range, in combination with Scan-Speaks linear suspension and the patented Symmetrical Drive (SD-1) it results in very low distortion and a smooth and well behaved frequency response as well as perfect transient reproduction.





KEY FEATURES:

- Patented Symmetrical Drive Motor Design
- Long Throw Surround
- Ferrite Magnet System w. Rubber Boot
- Black Anodized Rigid Alu Cone
- Die cast Alu Chassis vented below spider
- Gold Binding Post Terminals

T-S Parameters	
Resonance frequency [fs]	21 Hz
Mechanical Q factor [Qms]	4.80
Electrical Q factor [Qes]	0.52
Total Q factor [Qts]	0.47
Force factor [Bl]	9.3 Tm
Mechanical resistance [Rms]	2.71 kg/s
Moving mass [Mms]	101 g
Compliance [Cms]	0.60 mm/N
Effective diaph. diameter [D]	172 mm
Effective piston area [Sd]	232 cm²
Equivalent volume [Vas]	45.0 l
Sensitivity (2.83V/1m)	82 dB
Ratio Bl/√Re	5.01 N/√W
Ratio fs/Qts	44 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.6 Ω
Maximum impedance [Zo]	35.3 Ω
DC resistance [Re]	3.45 Ω
Voice coil inductance [Le]	0.45 mH

Power Handling	
100h RMS noise test (IEC 17.1)	225 W
Long-term max power (IEC 17.3)	350 W

Voice Coil & Magnet Data	
Voice coil diameter	50 mm
Voice coil height	34 mm
Voice coil layers	2
Height of gap	8 mm
Linear excursion	± 13 mm
Max mech. excursion	± 20 mm
Unit weight	4.6 kg

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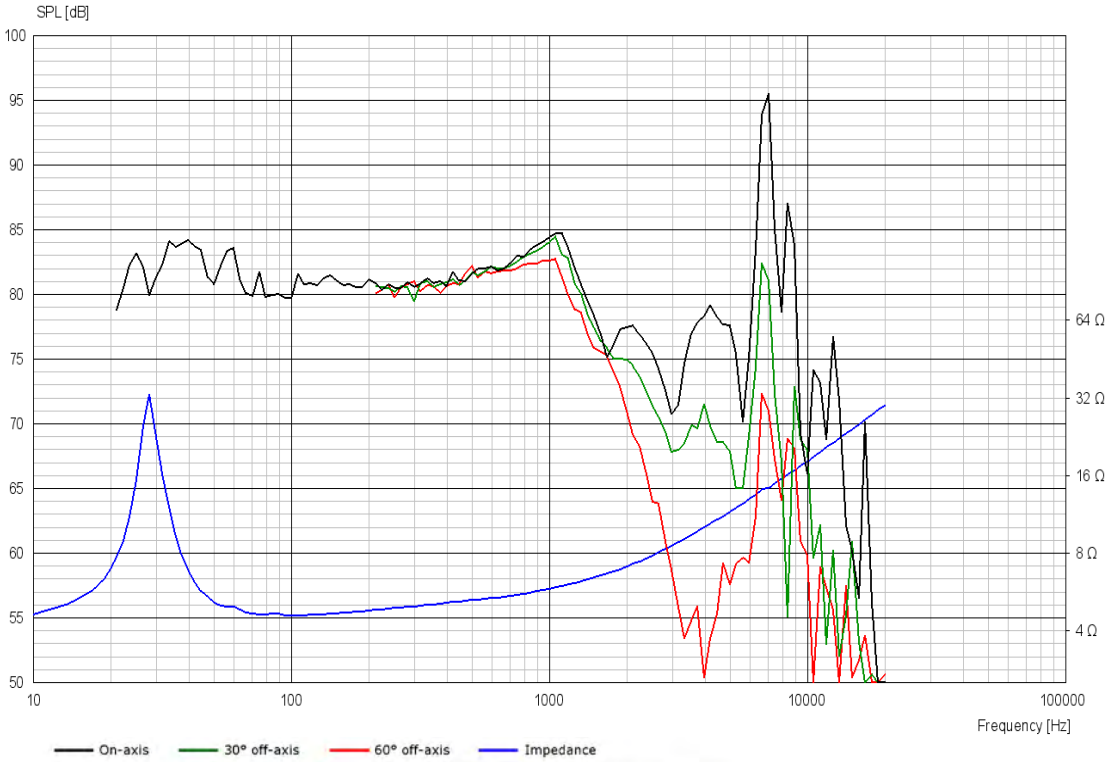
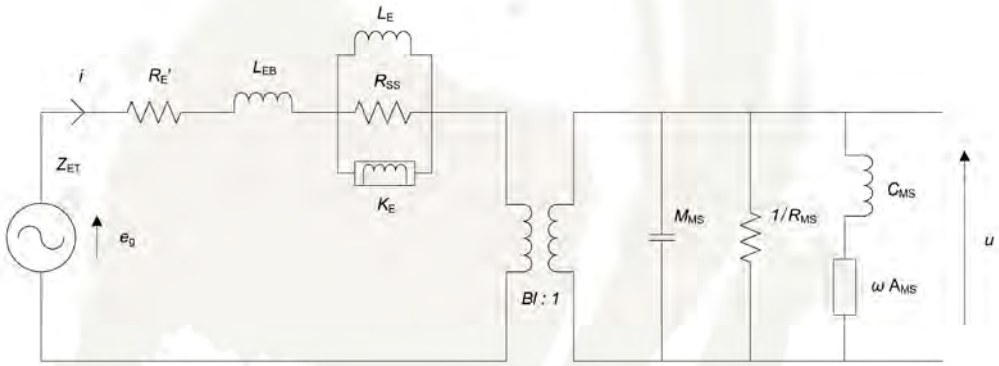
REVELATOR

SUBWOOFER 23W/4557T02



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.54 Ω
Free inductance [Leb]	0.192 mH
Bound inductance [Le]	14.33 mH
Semi-inductance [Ke]	0.028 SH
Shunt resistance [Rss]	75 Ω

Mechanical Data	
Force Factor [Bl]	8.20 Tm
Moving mass [Mms]	103.0 g
Compliance [Cms]	0.39 mm/N
Mechanical resistance [Rms]	1.87 kg/s
Admittance [Ams]	0.03 mm/N

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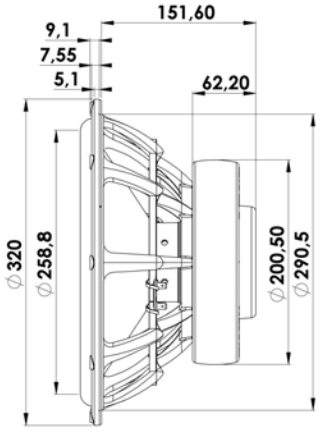
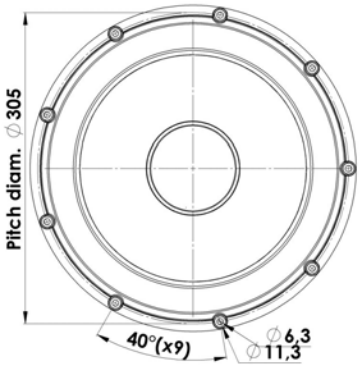
REVELATOR

SUBWOOFER 32W/4878T00

The 32W/4878T00 is the most powerful sub woofer designed by Scan-speak to this date, with its large 3” voice coil, extreme linear excursion and low resonance frequency is it perfect to reproduce the deepest frequencies. It features a brand new type of paper-sandwich cone with a special foam filling technology (patented) that gives the cone very high stiffness and relative low weight. The motor system has heavy duty copper sleeves for optimizing eddy currents and minimizing self-induction.





KEY FEATURES:

- Paper sandwich cone with Patented foam filling
- Patented Symmetrical Drive motor
- Spider with balanced woven in tinsel leads
- Extreme linear excursion (+/-14 mm)
- 3” Voice coil, Titanium former and paper reinforced
- Stiff and strong die cast aluminium chassis

T-S Parameters	
Resonance frequency [fs]	18 Hz
Mechanical Q factor [Qms]	7
Electrical Q factor [Qes]	0.33
Total Q factor [Qts]	0.32
Force factor [Bl]	12.5 Tm
Mechanical resistance [Rms]	2.42 kg/s
Moving mass [Mms]	150 g
Compliance [Cms]	0.52 mm/N
Effective diaph. diameter [D]	260 mm
Effective piston area [Sd]	526 cm²
Equivalent volume [Vas]	203.9 l
Sensitivity (2.83V/1m)	90 dB
Ratio Bl/√Re	7.1 N/√W
Ratio fs/Qts	56.3 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: October 4, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4 Ω
Maximum impedance [Zo]	69 Ω
DC resistance [Re]	3.1 Ω
Voice coil inductance [Le]	0.5 mH

Power Handling	
100h RMS noise test (IEC 17.1)	200 W
Long-term max power (IEC 17.3)	550 W

Voice Coil & Magnet Data	
Voice coil diameter	75 mm
Voice coil height	36 mm
Voice coil layers	2
Height of gap	8 mm
Linear excursion	± 14 mm
Max mech. excursion	± 28 mm
Unit weight	7.5 kg

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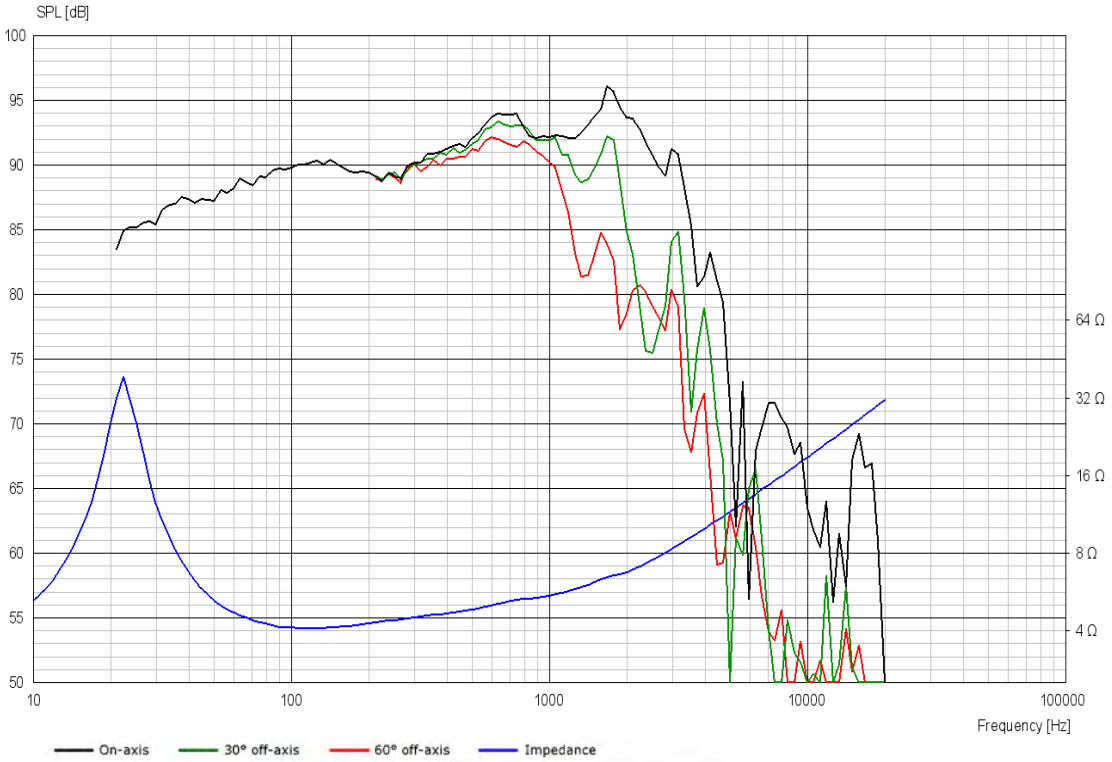
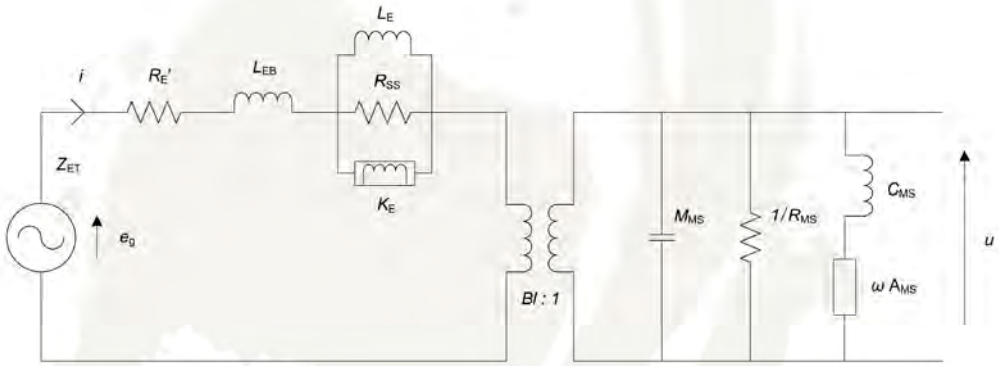
REVELATOR

SUBWOOFER 32W/4878T00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.12 Ω
Free inductance [Leb]	0.249 mH
Bound inductance [Le]	12.07 mH
Semi-inductance [Ke]	0.038 SH
Shunt resistance [Rss]	8 Ω

Mechanical Data	
Force Factor [Bl]	12.31 Tm
Moving mass [Mms]	146.3 g
Compliance [Cms]	0.68 mm/N
Mechanical resistance [Rms]	2.60 kg/s
Admittance [Ams]	0.11 mm/N

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CLASSIC

The Classic line consists of all the highly-regarded transducers that have been praised and loved by so many customers over the years. They are speakers that fully live up to the heritage of the Scan-Speak brand. The longevity and strength of these designs has been proven through decades of sales and manufacturing.

The Symmetric Drive (SD) concept with copper in the magnet system was invented by Scan-Speak . The first version of the SD system was patented in 1972. High-quality magnet system design has thus been a key feature of Scan-Speak design since the company's inception.

Several of the Classic line speakers have been attempted copied by others. But the same quality and the same success as the original Scan-Speak design has never been duplicated.

The Classic series consists of speakers from 3/4" tweeters and all the way up to 10" woofers.

The D2008 and D2010 ¾" tweeters are among the highly praised designs in Classic. They have enjoyed success for more than 35 years.

The D2905/9000 tweeter kick-started a new era with a line of very high quality 1" tweeters and later in a known series of 9300, 9500, 9700 and 9800.

The Classic 18W and 21W designs are also highly praised and are used in some of the most exceptional high-end products. Some feature Kevlar cones; others have the innovative Carbon fibre paper cones. They are also available in classic hard paper and polypropylene.

The woofers - 18W and especially 21W and 25W - are known for a relatively shallow design which is suitable where not much depth is available behind the drivers.

These designs all represent the heritage of Scan-Speak. They are products designed right from the beginning and have proven to be long-term successes in the market. They were designed by excellent engineers, based on craftsmanship and technological excellence and combined with an audiophile approach. All designs are evaluated by the human ear.

CLASSIC OVERVIEW

Tweeters	Size [Inch.]	fs [Hz]	Re [Ω]	Qms	Qes	Qts	Sens. [dB]	VAS [l]	Bl [Tm]	Mms [g]	Xmax ± [mm]	VC dia. [mm]
D2008/851100	0.75	650	5.7	1.90	0.81	0.57	89	0.01	2.4	0.2	0.8	19.4
D2008/851200	0.75	800	5.7	1.26	1.24	0.63	88	0.01	2.4	0.25	0.7	19
D2010/851100	0.75	650	5.7	1.90	0.81	0.57	89	0.01	2.4	0.2	0.8	19.4
D2010/851300	0.75	800	5.7	1.26	1.24	0.63	88	0.01	2.4	0.25	0.7	19
D2904/950000	1	550	3.5	1.47	0.53	0.39	91	0.02	3.2	0.45	0.1	28
D2904/980000	1	500	3.5	3.09	0.84	0.66	88	0.02	2.8	0.6	0.1	28
D2905/930000	1	650	4.7	0.94	0.72	0.41	90	0.01	3.5	0.45	0.4	28
D2905/950000	1	550	4.7	1.04	0.60	0.38	90	0.02	3.5	0.45	0.4	28
D2905/970000	1	500	4.7	3.45	0.54	0.47	89.5	0.02	3.5	0.45	0.4	28
D3806/820000	1.5	450	5.7	0.93	1.00	0.48	89	0.04	3.6	0.8	0.4	38

Midwoofers	Size [Inch.]	fs [Hz]	Re [Ω]	Qms	Qes	Qts	Sens. [dB]	VAS [l]	Bl [Tm]	Mms [g]	Xmax ± [mm]	VC dia. [mm]
18W/8535-01	6.5	25	5.85	2.1	0.46	0.38	87.2	68.9	5.9	17.2	5	38
18W/8542-00	6.5	30	5.5	1.70	0.26	0.23	89	47.9	7.8	15	6.5	42
18W/8545-01	7	25	5.7	1.55	0.22	0.20	88	68.6	8.4	18	6.5	42
18W/8545K00	6.5	28	5.5	5.20	0.30	0.28	87.5	46.4	8.2	20.5	6.5	42

Woofers	Size [Inch.]	fs [Hz]	Re [Ω]	Qms	Qes	Qts	Sens. [dB]	VAS [l]	Bl [Tm]	Mms [g]	Xmax ± [mm]	VC dia. [mm]
21W/8555-10	8	20	5.5	4.50	0.33	0.31	87	134	8.2	32	6.5	42
25W/8565-00	10	20	5.5	5.40	0.44	0.41	88	225	8.2	43	6.5	42

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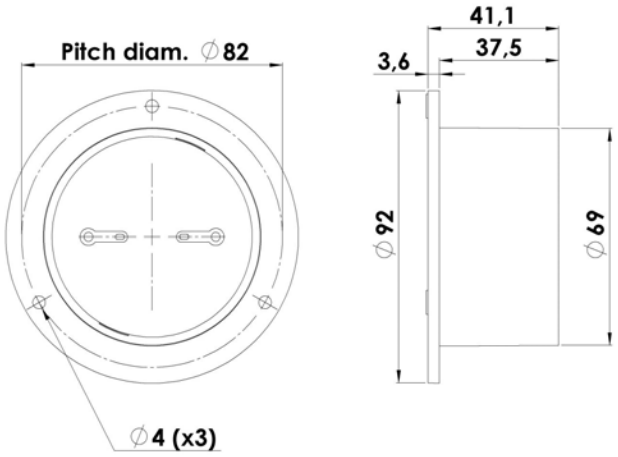
CLASSIC

TWEETER D2008/851100

The 3/4" tweeters D2008 and D2010 are among the many highly praised designs in Classic series. They have enjoyed success for more than 35 years. And still among the best tweeters available.



KEY FEATURES:

- 3/4" Textile Dome Diaphragm
- Dual Rear Chamber
- Wide Dispersion
- Vented Pole Piece

T-S Parameters	
Resonance frequency [fs]	650 Hz
Mechanical Q factor [Qms]	1.90
Electrical Q factor [Qes]	0.81
Total Q factor [Qts]	0.57
Force factor [Bl]	2.4 Tm
Mechanical resistance [Rms]	0.43 kg/s
Moving mass [Mms]	0.2 g
Compliance [Cms]	0.30 mm/N
Effective diaph. diameter [D]	22 mm
Effective piston area [Sd]	3.8 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	89 dB
Ratio Bl/√Re	1.01 N/√W
Ratio fs/Qts	1147 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	7.1 Ω
Maximum impedance [Zo]	19.1 Ω
DC resistance [Re]	5.7 Ω
Voice coil inductance [Le]	0.08 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	90 W
Long-term max power (IEC 17.3)*	150 W

*Filter: 2. order HP Butterworth, 4 kHz

Voice Coil & Magnet Data	
Voice coil diameter	19.4 mm
Voice coil height	3.2 mm
Voice coil layers	2
Height of gap	1.7 mm
Linear excursion	± 0.8 mm
Max mech. excursion	± 1.2 mm
Unit weight	0.4 kg

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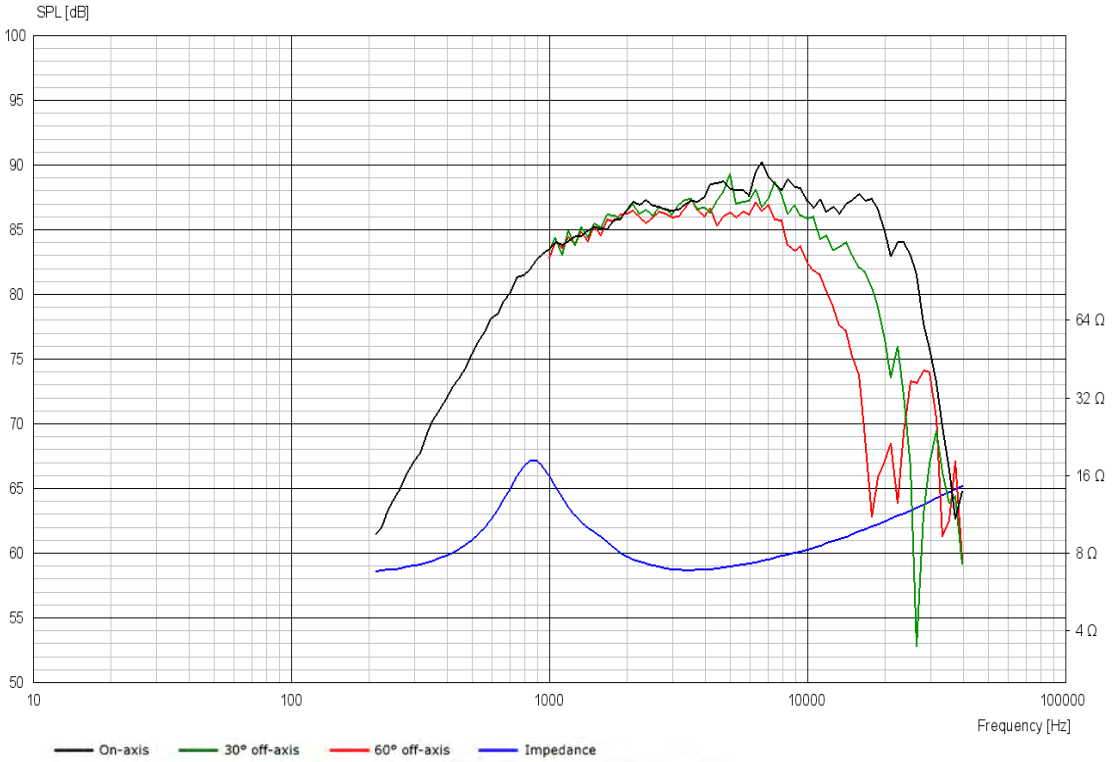
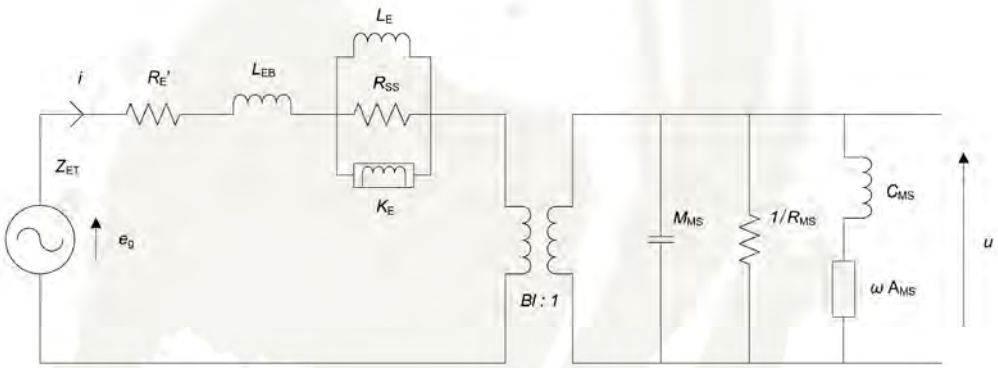
CLASSIC

TWEETER D2008/851100



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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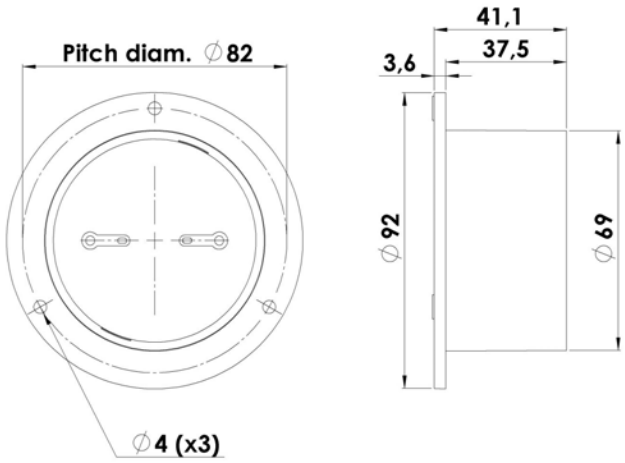
CLASSIC

TWEETER D2008/851200

The 3/4" tweeters D2008 and D2010 are among the many highly praised designs in Classic series. They have enjoyed success for more than 35 years. And still among the best tweeters available.



KEY FEATURES:

- 3/4" Textile Dome Diaphragm
- Dual Rear Chamber
- Wide Dispersion
- Ferro Fluid

T-S Parameters	
Resonance frequency [fs]	800 Hz
Mechanical Q factor [Qms]	1.26
Electrical Q factor [Qes]	1.24
Total Q factor [Qts]	0.63
Force factor [Bl]	2.4 Tm
Mechanical resistance [Rms]	1.00 kg/s
Moving mass [Mms]	0.25 g
Compliance [Cms]	0.16 mm/N
Effective diaph. diameter [D]	22 mm
Effective piston area [Sd]	3.8 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	88 dB
Ratio Bl/√Re	1.01 N/√W
Ratio fs/Qts	1280 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.5 Ω
Maximum impedance [Zo]	11.5 Ω
DC resistance [Re]	5.7 Ω
Voice coil inductance [Le]	0.08 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	90 W
Long-term max power (IEC 17.3)*	150 W

*Filter: 2. order HP Butterworth, 4 kHz

Voice Coil & Magnet Data	
Voice coil diameter	19 mm
Voice coil height	3.1 mm
Voice coil layers	2
Height of gap	2 mm
Linear excursion	± 0.7 mm
Max mech. excursion	± 1.2 mm
Unit weight	0.4 kg

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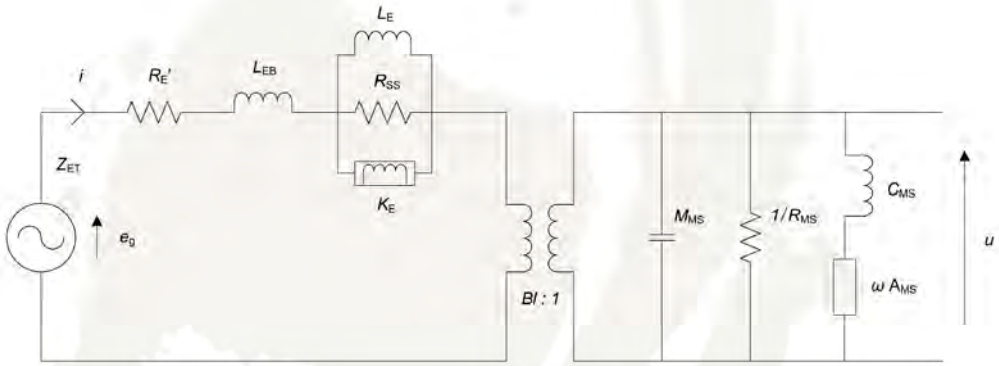
CLASSIC

TWEETER D2008/851200

Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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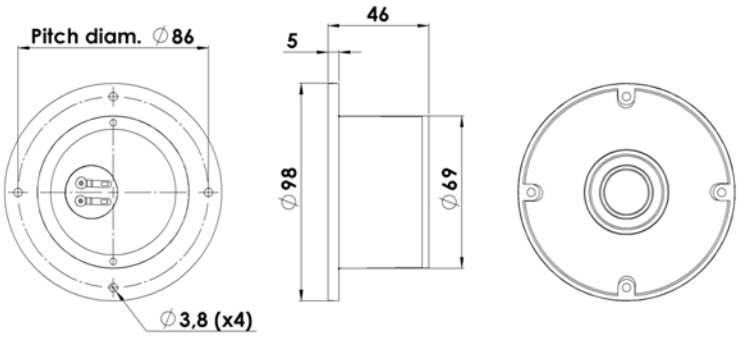
CLASSIC

TWEETER D2010/851100

The 3/4" tweeters D2008 and D2010 are among the many highly praised designs in Classic series. They have enjoyed success for more than 35 years. And still among the best tweeters available.



KEY FEATURES:

- 3/4" Textile Dome Diaphragm
- Diffraction Damping Foam Front
- Wide Dispersion
- Dual Rear Chamber

T-S Parameters	
Resonance frequency [fs]	650 Hz
Mechanical Q factor [Qms]	1.90
Electrical Q factor [Qes]	0.81
Total Q factor [Qts]	0.57
Force factor [Bl]	2.4 Tm
Mechanical resistance [Rms]	0.43 kg/s
Moving mass [Mms]	0.2 g
Compliance [Cms]	0.30 mm/N
Effective diaph. diameter [D]	22 mm
Effective piston area [Sd]	3.8 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	89 dB
Ratio Bl/√Re	1.01 N/√W
Ratio fs/Qts	1147 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	7.1 Ω
Maximum impedance [Zo]	19.1 Ω
DC resistance [Re]	5.7 Ω
Voice coil inductance [Le]	0.08 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	90 W
Long-term max power (IEC 17.3)*	150 W

*Filter: 2. order HP Butterworth, 4 kHz

Voice Coil & Magnet Data	
Voice coil diameter	19.4 mm
Voice coil height	3.2 mm
Voice coil layers	2
Height of gap	1.7 mm
Linear excursion	± 0.8 mm
Max mech. excursion	± 1.2 mm
Unit weight	0.4 kg

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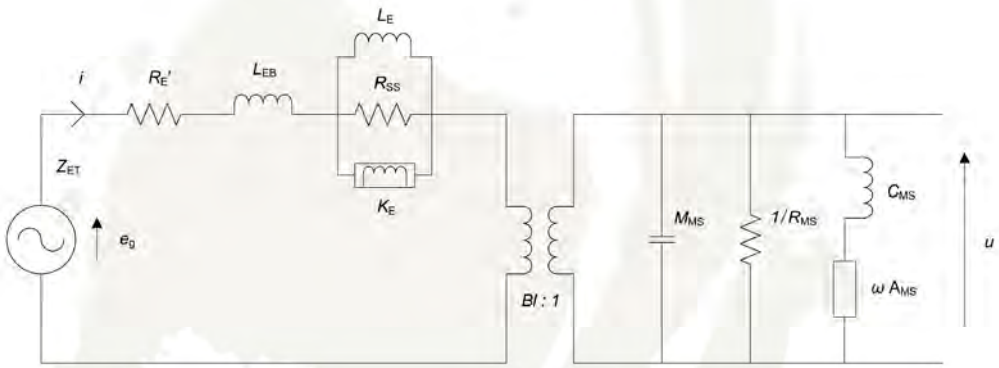
CLASSIC

TWEETER D2010/851100

Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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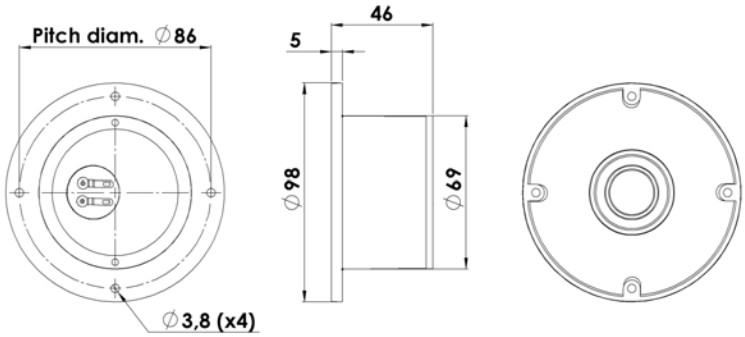
CLASSIC

TWEETER D2010/851300

The 3/4" tweeters D2008 and D2010 are among the many highly praised designs in Classic series. They have enjoyed success for more than 35 years. And still among the best tweeters available.



KEY FEATURES:

- 3/4" Textile Dome Diaphragm
- Diffraction Damping Foam Front
- Ferro Fluid
- Wide Dispersion
- Dual Rear Chamber

T-S Parameters	
Resonance frequency [fs]	800 Hz
Mechanical Q factor [Qms]	1.26
Electrical Q factor [Qes]	1.24
Total Q factor [Qts]	0.63
Force factor [Bl]	2.4 Tm
Mechanical resistance [Rms]	1.00 kg/s
Moving mass [Mms]	0.25 g
Compliance [Cms]	0.16 mm/N
Effective diaph. diameter [D]	22 mm
Effective piston area [Sd]	3.8 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	88 dB
Ratio Bl/√Re	1.01 N/√W
Ratio fs/Qts	1280 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.4 Ω
Maximum impedance [Zo]	11.5 Ω
DC resistance [Re]	5.7 Ω
Voice coil inductance [Le]	0.08 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	90 W
Long-term max power (IEC 17.3)*	150 W

*Filter: 2. order HP Butterworth, 4 kHz

Voice Coil & Magnet Data	
Voice coil diameter	19 mm
Voice coil height	3.1 mm
Voice coil layers	2
Height of gap	2 mm
Linear excursion	± 0.7 mm
Max mech. excursion	± 1.2 mm
Unit weight	0.4 kg

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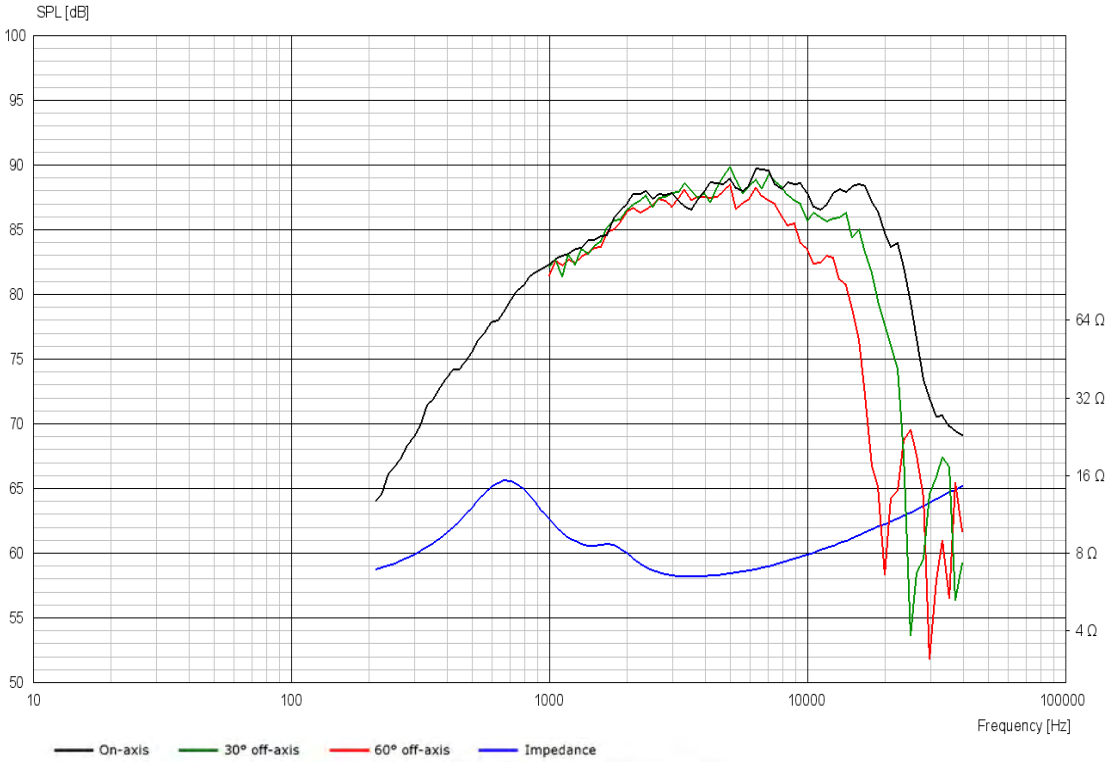
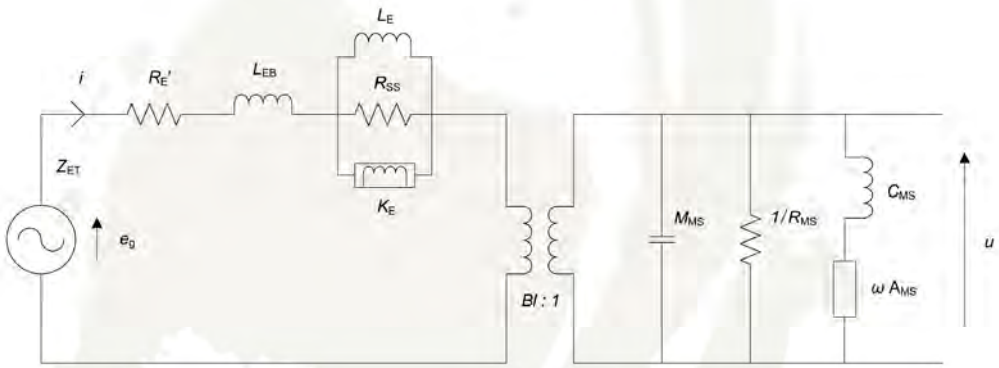
CLASSIC

TWEETER D2010/851300



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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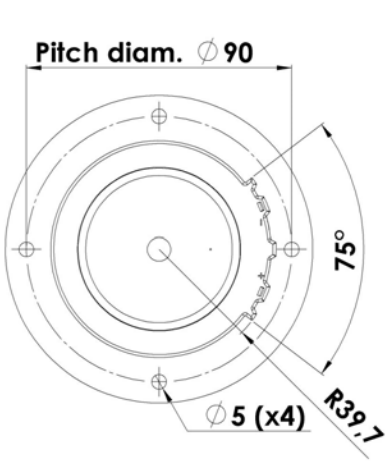
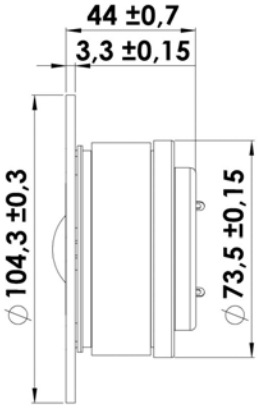
CLASSIC

TWEETER D2904/950000

The Classic tweeters are among the many highly praised designs in Classic series. They have enjoyed success over 3 decades. And still among the best tweeters available. The D2905/9000 tweeter kick-started a new era with a line of very high quality 1" tweeters, today known as -9300, -9500, -9700 and -9800. Despite their many years on the market still used in many top High-End speakers around the world.





KEY FEATURES:

- 1" Textile Dome Diaphragm
- Low Resonant Rear Chamber
- 4 ohm
- Ferro Fluid
- Black Paineted Alu Face Plate

T-S Parameters	
Resonance frequency [fs]	550 Hz
Mechanical Q factor [Qms]	1.47
Electrical Q factor [Qes]	0.53
Total Q factor [Qts]	0.39
Force factor [Bl]	3.2 Tm
Mechanical resistance [Rms]	1.05 kg/s
Moving mass [Mms]	0.45 g
Compliance [Cms]	0.19 mm/N
Effective diaph. diameter [D]	35 mm
Effective piston area [Sd]	9.5 cm²
Equivalent volume [Vas]	0.02 l
Sensitivity (2.83V/1m)	91 dB
Ratio Bl/√Re	1.71 N/√W
Ratio fs/Qts	1421 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: April 30, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.3 Ω
Maximum impedance [Zo]	13.3 Ω
DC resistance [Re]	3.5 Ω
Voice coil inductance [Le]	0.05 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	150 W
Long-term max power (IEC 17.3)*	430 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	28 mm
Voice coil height	2.5 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.1 mm
Max mech. excursion	± 1.5 mm
Unit weight	0.7 kg

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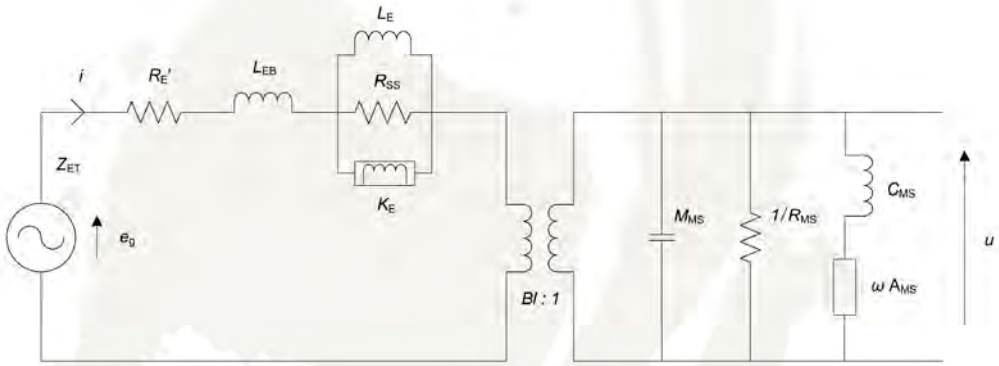
CLASSIC

TWEETER D2904/950000

Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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CLASSIC

TWEETER D2904/980000

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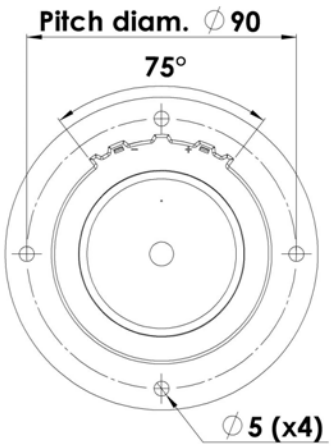

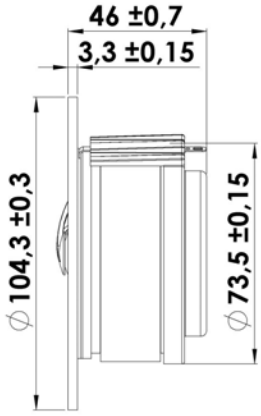

KEY FEATURES:

- 1" Aluminium Dome Diaphragm
- Patented Symmetrical Drive (SD) motor
- Wave Guide
- Low Resonance Rear Chamber
- Black Painted Alu Face Plate

T-S Parameters	
Resonance frequency [fs]	500 Hz
Mechanical Q factor [Qms]	3.09
Electrical Q factor [Qes]	0.84
Total Q factor [Qts]	0.66
Force factor [Bl]	2.8 Tm
Mechanical resistance [Rms]	0.61 kg/s
Moving mass [Mms]	0.6 g
Compliance [Cms]	0.20 mm/N
Effective diaph. diameter [D]	33 mm
Effective piston area [Sd]	8.5 cm²
Equivalent volume [Vas]	0.02 l
Sensitivity (2.83V/1m)	88 dB
Ratio Bl/√Re	1.50 N/√W
Ratio fs/Qts	756 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: April 30, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.3 Ω
Maximum impedance [Zo]	16.4 Ω
DC resistance [Re]	3.5 Ω
Voice coil inductance [Le]	0.01 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	160 W
Long-term max power (IEC 17.3)*	430 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	28 mm
Voice coil height	2.5 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.1 mm
Max mech. excursion	± 1.5 mm
Unit weight	0.7 kg

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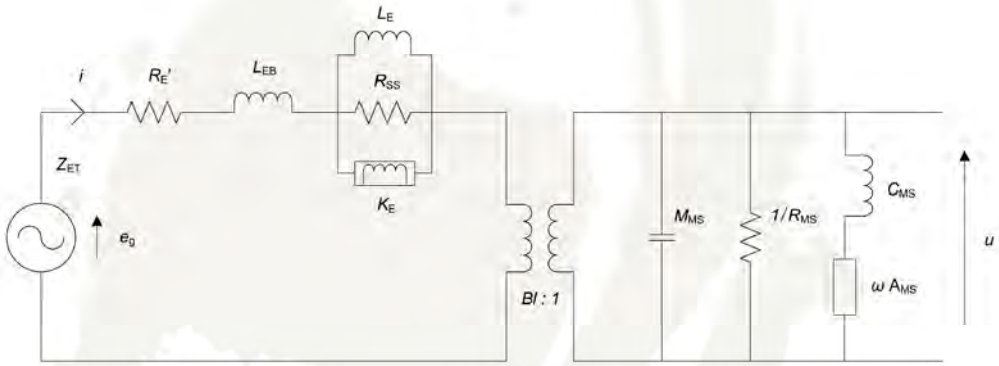
CLASSIC

TWEETER D2904/980000

Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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CLASSIC

TWEETER D2905/930000

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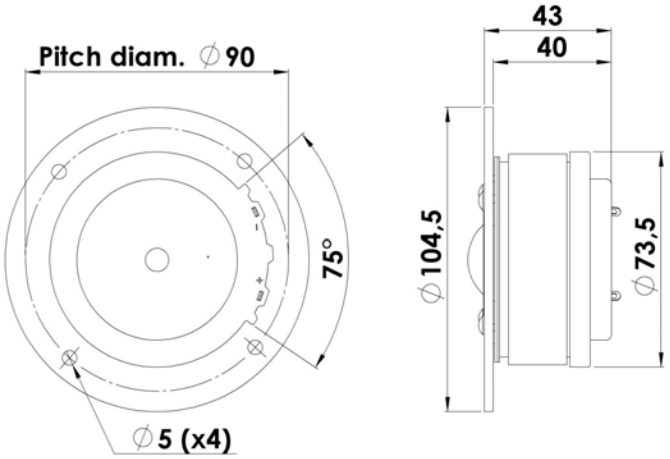

KEY FEATURES:

- 1" Textile Dome Diaphragm
- Low Resonance Rear Chamber
- Ferro Fluid
- Black Painted Alu Face Plate

T-S Parameters	
Resonance frequency [fs]	650 Hz
Mechanical Q factor [Qms]	0.94
Electrical Q factor [Qes]	0.72
Total Q factor [Qts]	0.41
Force factor [Bl]	3.5 Tm
Mechanical resistance [Rms]	1.96 kg/s
Moving mass [Mms]	0.45 g
Compliance [Cms]	0.13 mm/N
Effective diaph. diameter [D]	33 mm
Effective piston area [Sd]	8.5 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	90 dB
Ratio Bl/√Re	1.61 N/√W
Ratio fs/Qts	1598 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: April 30, 2013.

Electrical Data	
Nominal impedance [Zn]	6 Ω
Minimum impedance [Zmin]	5.4 Ω
Maximum impedance [Zo]	10.9 Ω
DC resistance [Re]	4.7 Ω
Voice coil inductance [Le]	0.07 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	150 W
Long-term max power (IEC 17.3)*	460 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	28 mm
Voice coil height	3.3 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.4 mm
Max mech. excursion	± 1.5 mm
Unit weight	0.7 kg

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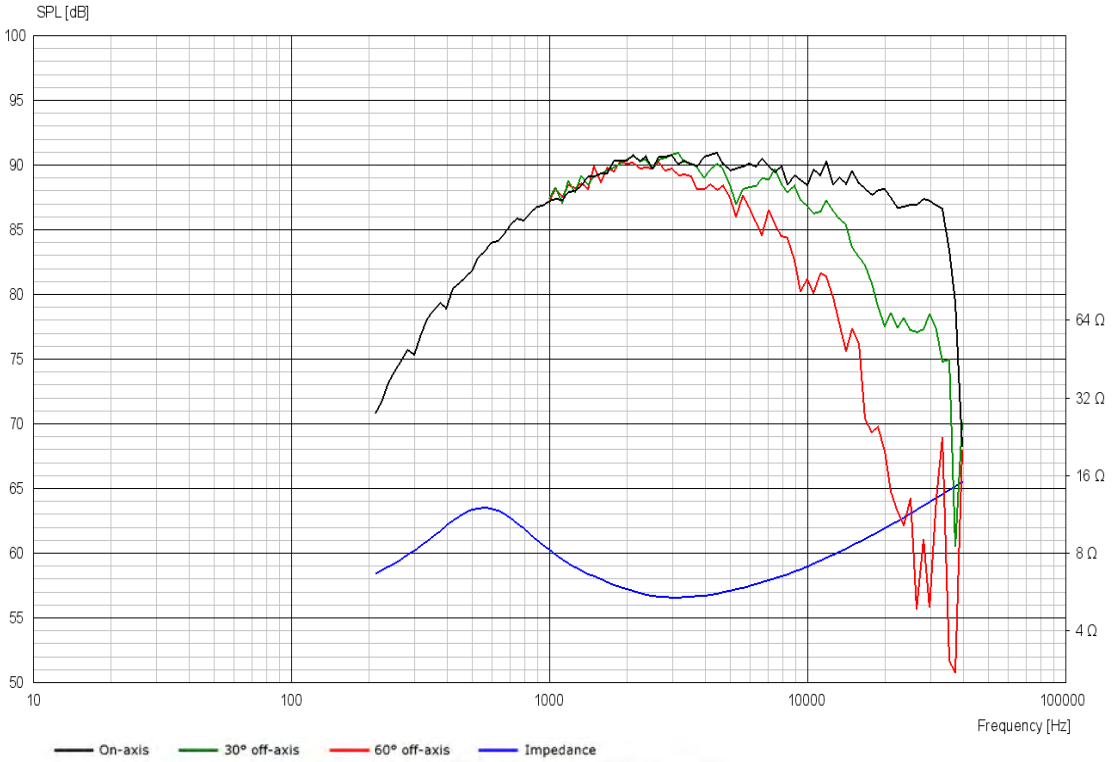
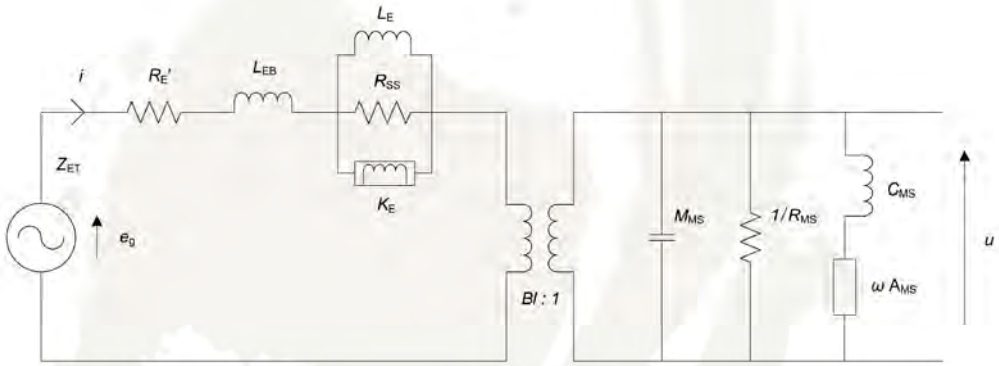
CLASSIC

TWEETER D2905/930000



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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CLASSIC

TWEETER D2905/950000

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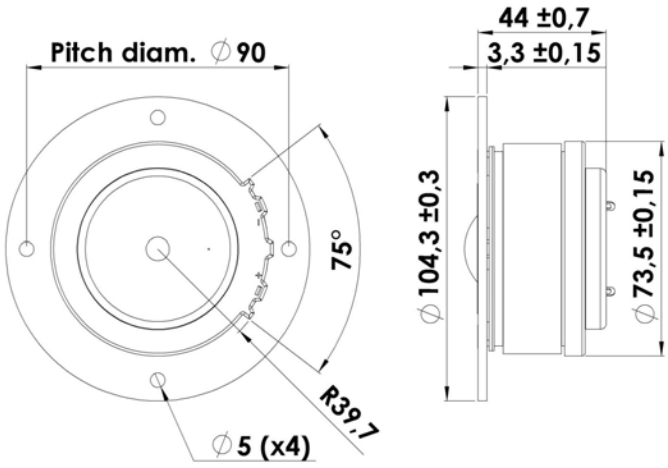

KEY FEATURES:

- 1" Textile Dome Diaphragm
- Low Resonance Rear Chamber
- Ferro Fluid
- Black Painted Alu Face Plate

T-S Parameters	
Resonance frequency [fs]	550 Hz
Mechanical Q factor [Qms]	1.04
Electrical Q factor [Qes]	0.60
Total Q factor [Qts]	0.38
Force factor [Bl]	3.5 Tm
Mechanical resistance [Rms]	1.50 kg/s
Moving mass [Mms]	0.45 g
Compliance [Cms]	0.19 mm/N
Effective diaph. diameter [D]	33 mm
Effective piston area [Sd]	8.5 cm²
Equivalent volume [Vas]	0.02 l
Sensitivity (2.83V/1m)	90 dB
Ratio Bl/√Re	1.61 N/√W
Ratio fs/Qts	1452 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: April 30, 2013.

Electrical Data	
Nominal impedance [Zn]	6 Ω
Minimum impedance [Zmin]	5.5 Ω
Maximum impedance [Zo]	12.9 Ω
DC resistance [Re]	4.7 Ω
Voice coil inductance [Le]	0.07 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	150 W
Long-term max power (IEC 17.3)*	460 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	28 mm
Voice coil height	3.3 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.4 mm
Max mech. excursion	± 1.5 mm
Unit weight	0.7 kg

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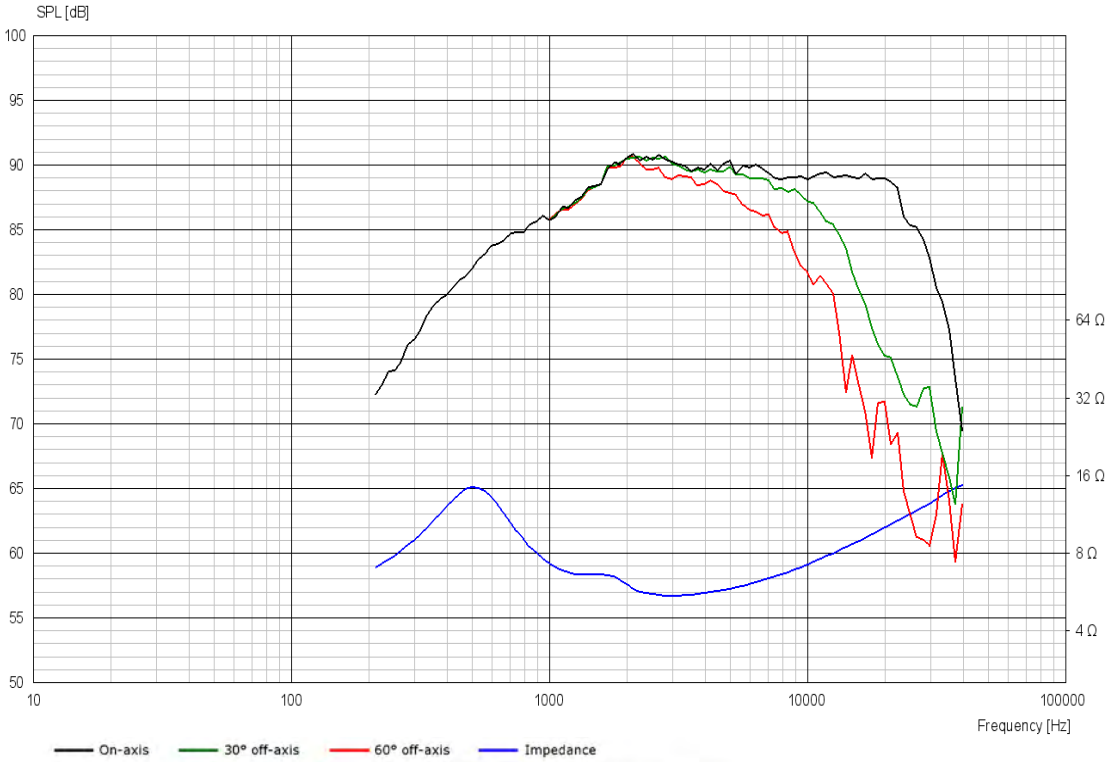
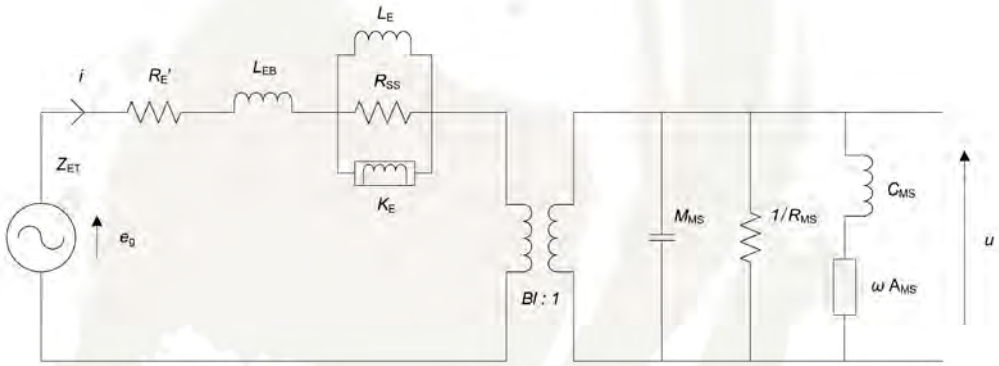
CLASSIC

TWEETER D2905/950000



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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CLASSIC

TWEETER D2905/970000

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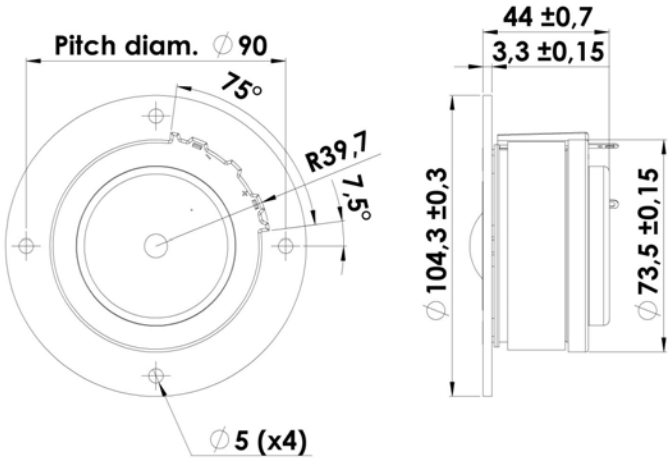

KEY FEATURES:

- 1" Textile Dome Diaphragm
- Patented Symmetrical Drive (SD-2) motor
- Frequency Extension to above 30KHz
- Low Resonance Rear Chamber
- Black Painted Alu Face Plate

T-S Parameters	
Resonance frequency [fs]	500 Hz
Mechanical Q factor [Qms]	3.45
Electrical Q factor [Qes]	0.54
Total Q factor [Qts]	0.47
Force factor [Bl]	3.5 Tm
Mechanical resistance [Rms]	0.41 kg/s
Moving mass [Mms]	0.45 g
Compliance [Cms]	0.23 mm/N
Effective diaph. diameter [D]	33 mm
Effective piston area [Sd]	8.5 cm²
Equivalent volume [Vas]	0.02 l
Sensitivity (2.83V/1m)	89.5 dB
Ratio Bl/√Re	1.61 N/√W
Ratio fs/Qts	1068 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: April 30, 2013.

Electrical Data	
Nominal impedance [Zn]	6 Ω
Minimum impedance [Zmin]	5.7 Ω
Maximum impedance [Zo]	34.6 Ω
DC resistance [Re]	4.7 Ω
Voice coil inductance [Le]	0.01 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	225 W
Long-term max power (IEC 17.3)*	460 W

*Filter: 2. order HP Butterworth, 2.8 kHz

Voice Coil & Magnet Data	
Voice coil diameter	28 mm
Voice coil height	3.3 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.4 mm
Max mech. excursion	± 1.5 mm
Unit weight	0.7 kg

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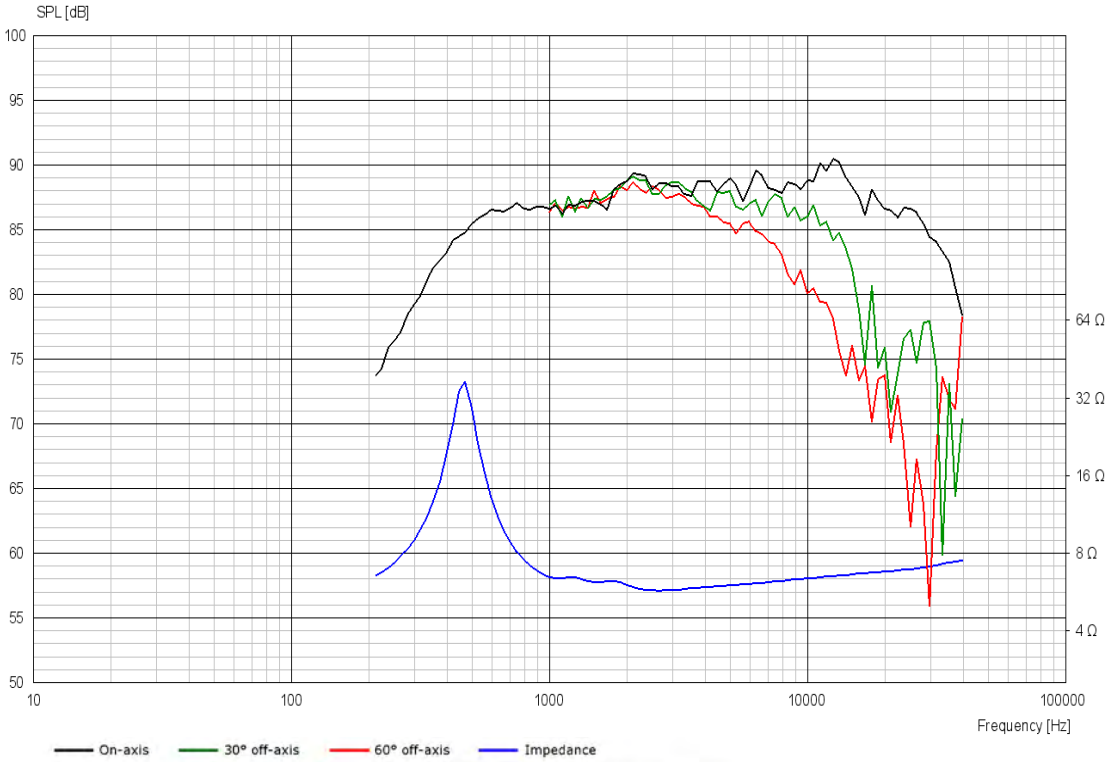
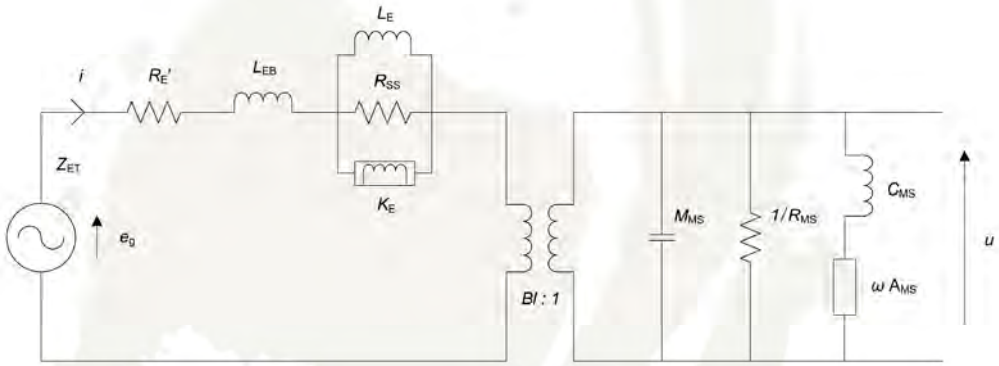
CLASSIC

TWEETER D2905/970000



Advanced Parameters (Preliminary)



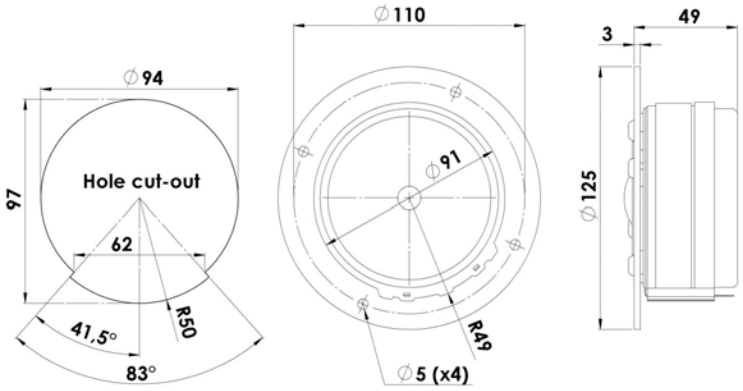
Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

CLASSIC

TWEETER D3806/820000

D3806/820000 was one the very first Scan-Speak products, now been on the marked more than 4 decades and continuing beeing successful as one of the best upper midranges on the market.



KEY FEATURES:

- 1½" Textile Dome Diaphragm
- Patented Symmetrical Drive (SD-2) motor
- Black Paineted Alu Face Plate
- Optimized for Upper Midrange
- Low Resonant Rear Chamber

T-S Parameters	
Resonance frequency [fs]	450 Hz
Mechanical Q factor [Qms]	0.93
Electrical Q factor [Qes]	1.00
Total Q factor [Qts]	0.48
Force factor [Bl]	3.6 Tm
Mechanical resistance [Rms]	2.44 kg/s
Moving mass [Mms]	0.8 g
Compliance [Cms]	0.16 mm/N
Effective diaph. diameter [D]	42 mm
Effective piston area [Sd]	14 cm²
Equivalent volume [Vas]	0.04 l
Sensitivity (2.83V/1m)	89 dB
Ratio Bl/√Re	1.51 N/√W
Ratio fs/Qts	938 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: April 30, 2013.

Electrical Data	
Nominal impedance [Zn]	6 Ω
Minimum impedance [Zmin]	6.3 Ω
Maximum impedance [Zo]	11.0 Ω
DC resistance [Re]	5.7 Ω
Voice coil inductance [Le]	0.04 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	100 W
Long-term max power (IEC 17.3)*	- W

*Filter: 2. order HP Butterworth, 1 kHz

Voice Coil & Magnet Data	
Voice coil diameter	38 mm
Voice coil height	3.2 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.4 mm
Max mech. excursion	± 1 mm
Unit weight	1.1 kg

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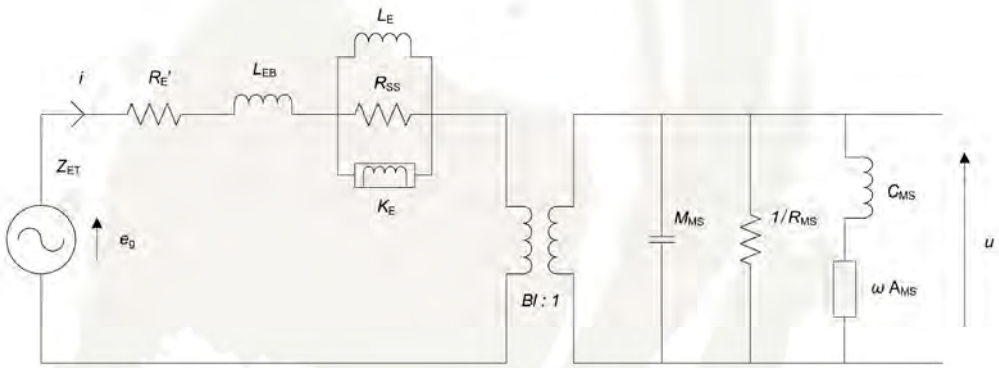
TWEETER D3806/820000

Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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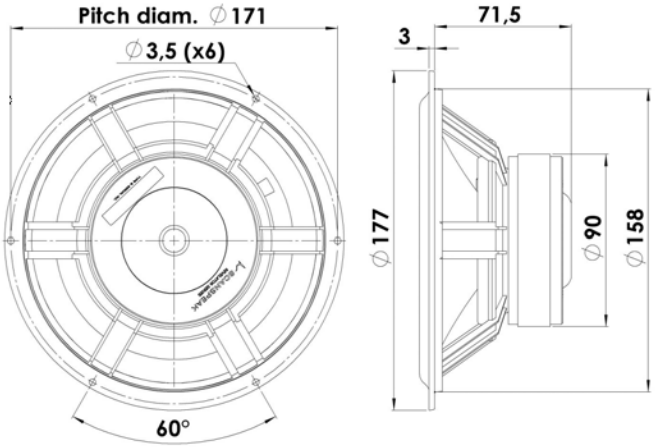
MIDWOOFER 18W/8535-01

This unit is an improved version of the highly praised 18W/8535-00 midwoofer, where a new aluminum chassis and an updated cone as wells as a few other details are introduced, these updates improves mechanical stability and sound performance. High-quality magnet system design with patented Symmetric Drive(SD-1) continues to be key feature.



KEY FEATURES:

- Patented Symmetrical Drive Motor Design
- 38mm Voice Coil
- Low Damping SBR Rubber Surround
- Coated Air Dried Paper/Carbon Fibre Cone
- Low-Loss linear suspension
- Aluminium Chassis

T-S Parameters	
Resonance frequency [fs]	25 Hz
Mechanical Q factor [Qms]	2.1
Electrical Q factor [Qes]	0.46
Total Q factor [Qts]	0.38
Force factor [Bl]	5.9 Tm
Mechanical resistance [Rms]	1.33 kg/s
Moving mass [Mms]	17.2 g
Compliance [Cms]	2.30 mm/N
Effective diaph. diameter [D]	136 mm
Effective piston area [Sd]	145 cm²
Equivalent volume [Vas]	68.9 l
Sensitivity (2.83V/1m)	87.2 dB
Ratio Bl/√Re	2.44 N/√W
Ratio fs/Qts	67.4 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.8 Ω
Maximum impedance [Zo]	32 Ω
DC resistance [Re]	5.85 Ω
Voice coil inductance [Le]	0.33 mH

Power Handling	
100h RMS noise test (IEC 17.1)	70 W
Long-term max power (IEC 17.3)	170 W

Voice Coil & Magnet Data	
Voice coil diameter	38 mm
Voice coil height	15 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 5 mm
Max mech. excursion	± 10 mm
Unit weight	1.1 kg

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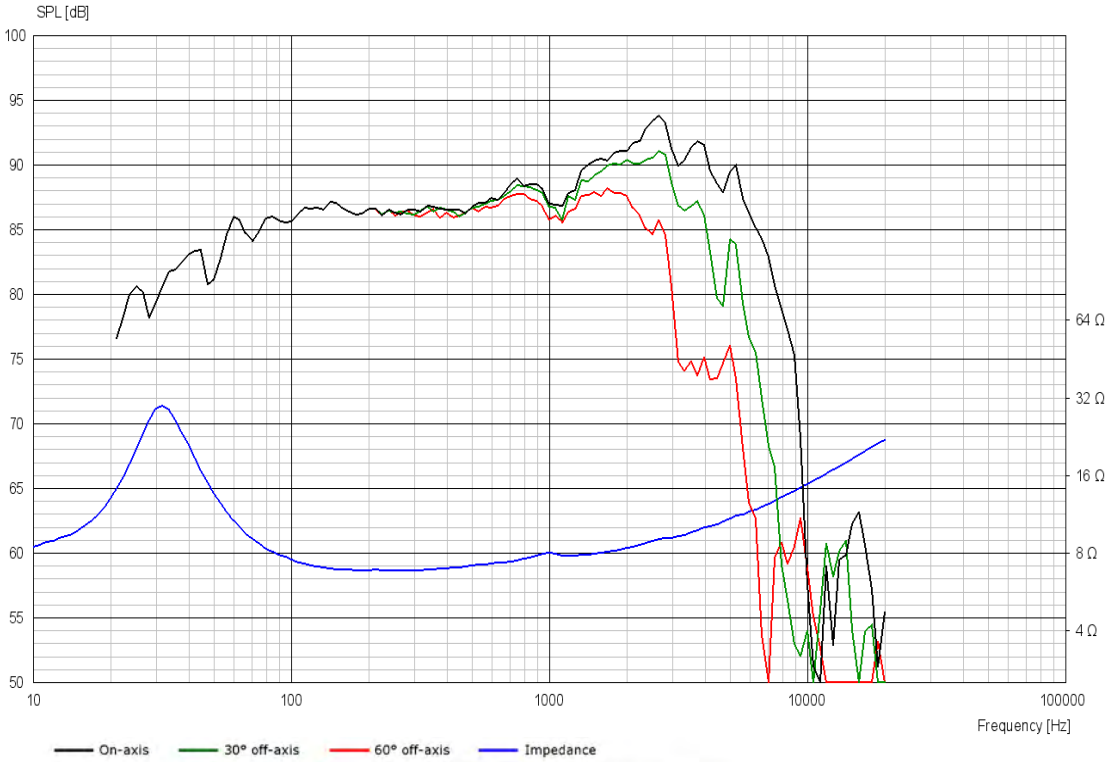
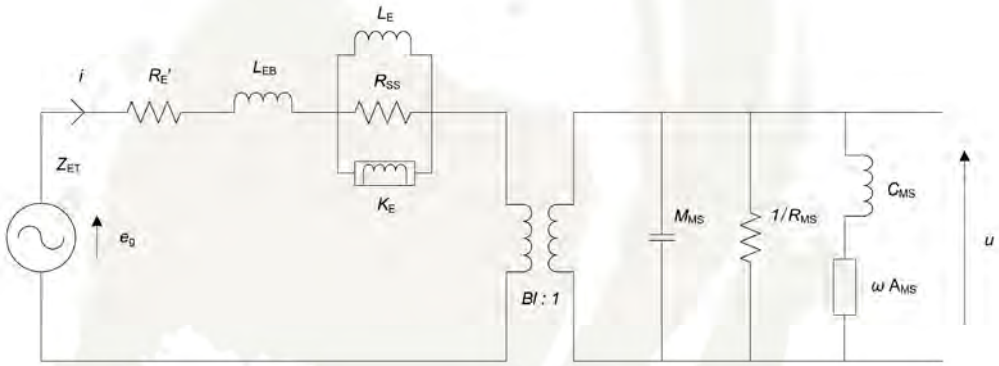
MIDWOOFER 18W/8535-01



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	6.23 Ω
Free inductance [Leb]	0.089 mH
Bound inductance [Le]	2.39 mH
Semi-inductance [Ke]	0.028 SH
Shunt resistance [Rss]	237 Ω

Mechanical Data	
Force Factor [Bl]	5.93 Tm
Moving mass [Mms]	17.2 g
Compliance [Cms]	2.28 mm/N
Mechanical resistance [Rms]	1.33 kg/s
Admittance [Ams]	0.34 mm/N

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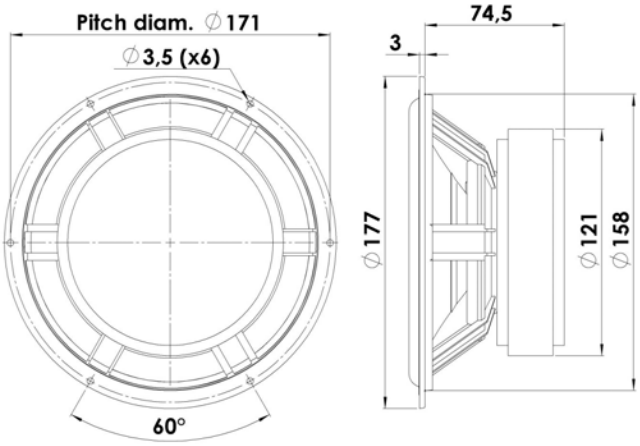
CLASSIC

MIDWOOFER 18W/8542-00

The Symmetric Drive (SD) concept with copper in the magnet system was invented by Scan-Speak. High-quality magnet system design has thus been a key feature of Scan-Speak design since the companys inception. The Classic woofers are highly praised, and are used in some of the worlds most exceptional high-end Loudspeakers. Some feature Kevlar cones, others have the innovative Carbon fibre paper cones.



KEY FEATURES:

- Patented Symmetrical Drive Motor Design
- Air Dried Paper/Nylon Fibre Cone
- 42mm Voice Coil
- Low-Loss linear suspension
- Low Damping Coated Foam Surround

T-S Parameters	
Resonance frequency [fs]	30 Hz
Mechanical Q factor [Qms]	1.70
Electrical Q factor [Qes]	0.26
Total Q factor [Qts]	0.23
Force factor [Bl]	7.8 Tm
Mechanical resistance [Rms]	1.66 kg/s
Moving mass [Mms]	15 g
Compliance [Cms]	1.88 mm/N
Effective diaph. diameter [D]	131 mm
Effective piston area [Sd]	135 cm²
Equivalent volume [Vas]	47.9 l
Sensitivity (2.83V/1m)	89 dB
Ratio Bl/√Re	3.33 N/√W
Ratio fs/Qts	133 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 18, 2015.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.6 Ω
Maximum impedance [Zo]	41.5 Ω
DC resistance [Re]	5.5 Ω
Voice coil inductance [Le]	0.2 mH

Power Handling	
100h RMS noise test (IEC 17.1)	70 W
Long-term max power (IEC 17.3)	130 W

Voice Coil & Magnet Data	
Voice coil diameter	42 mm
Voice coil height	19 mm
Voice coil layers	2
Height of gap	6 mm
Linear excursion	± 6.5 mm
Max mech. excursion	± 10 mm
Unit weight	2.1 kg

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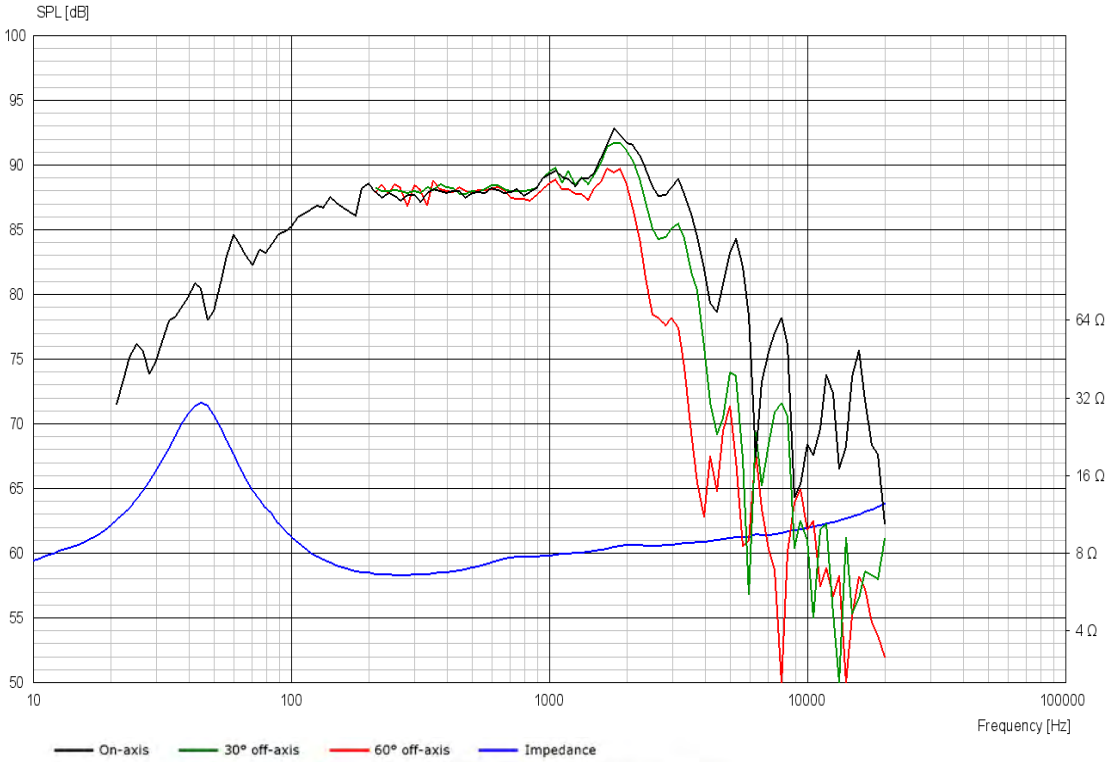
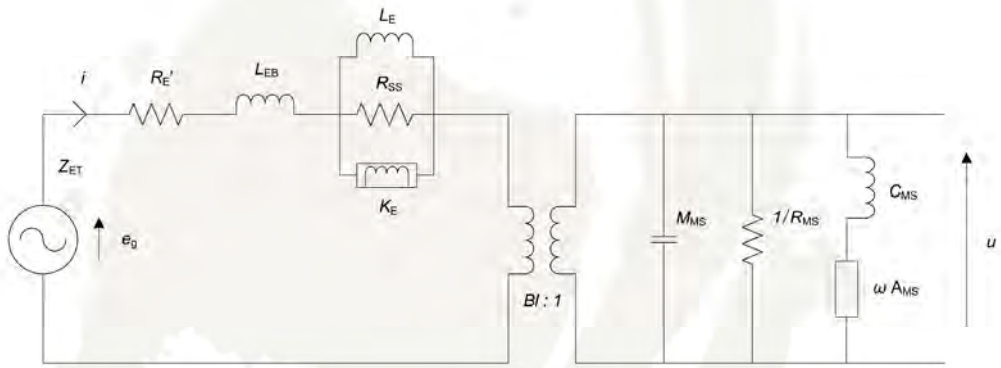
MIDWOOFER 18W/8542-00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	5.69 Ω
Free inductance [Leb]	0.059 mH
Bound inductance [Le]	1.44 mH
Semi-inductance [Ke]	0.091 SH
Shunt resistance [Rss]	5.00 Ω

Mechanical Data	
Force Factor [Bl]	7.28 Tm
Moving mass [Mms]	15.6 g
Compliance [Cms]	1.43 mm/N
Mechanical resistance [Rms]	1.90 kg/s
Admittance [Ams]	0.26 mm/N

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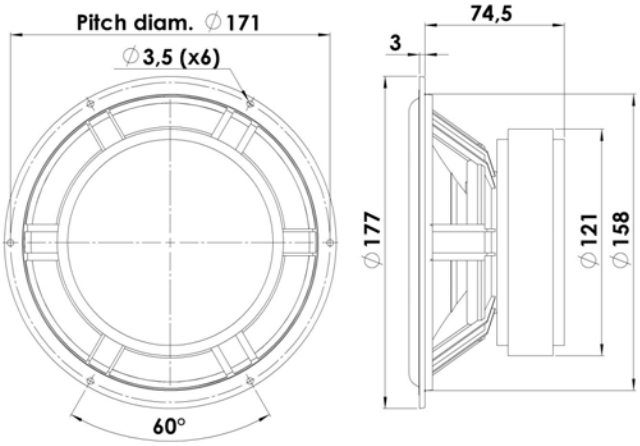
CLASSIC

MIDWOOFER 18W/8545-01

This unit is an improved version of the highly praised 18W/8545-00 midwoofer, where a new aluminum chassis, an updated cone and a new spider as wells as a few other details are introduced, these updates improves mechanical stability and sound performance. High-quality magnet system design with patented Symmetric Drive (SD-1) continues to be key feature.



KEY FEATURES:

- Patented Symmetrical Drive Motor Design
- 42mm Voice Coil w. Alu foil
- Low Damping SBR Rubber Surround
- Coated Air Dried Paper/Carbon Fibre Cone
- Low-Loss linear suspension
- Aluminium Chassis

T-S Parameters	
Resonance frequency [fs]	25 Hz
Mechanical Q factor [Qms]	1.55
Electrical Q factor [Qes]	0.22
Total Q factor [Qts]	0.20
Force factor [Bl]	8.4 Tm
Mechanical resistance [Rms]	1.8 kg/s
Moving mass [Mms]	18 g
Compliance [Cms]	2.3 mm/N
Effective diaph. diameter [D]	136 mm
Effective piston area [Sd]	145 cm²
Equivalent volume [Vas]	68.6 l
Sensitivity (2.83V/1m)	88 dB
Ratio Bl/√Re	3.53 N/√W
Ratio fs/Qts	125 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: April 23, 2014.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.2 Ω
Maximum impedance [Zo]	45 Ω
DC resistance [Re]	5.7 Ω
Voice coil inductance [Le]	0.39 mH

Power Handling	
100h RMS noise test (IEC 17.1)	100 W
Long-term max power (IEC 17.3)	120 W

Voice Coil & Magnet Data	
Voice coil diameter	42 mm
Voice coil height	19 mm
Voice coil layers	2
Height of gap	6 mm
Linear excursion	± 6.5 mm
Max mech. excursion	± 10 mm
Unit weight	2.3 kg

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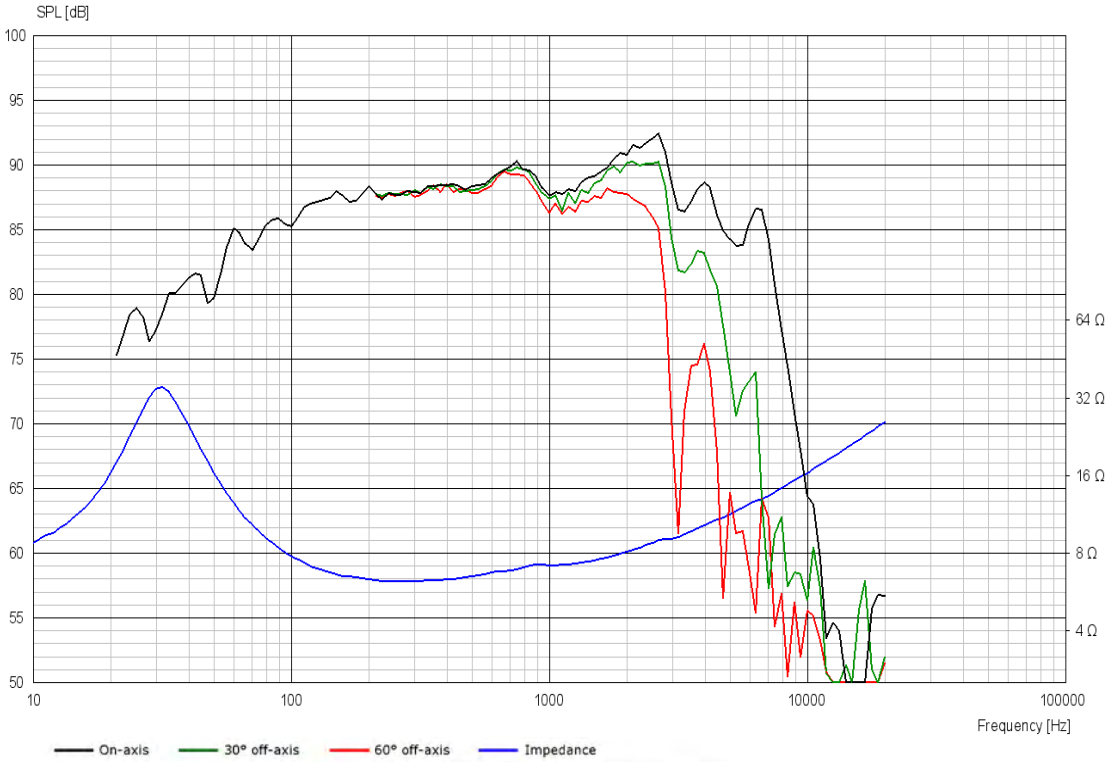
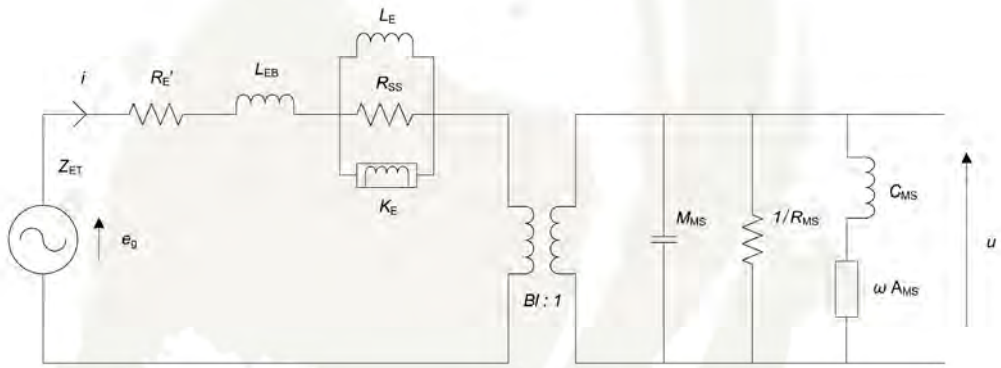
MIDWOOFER 18W/8545-01



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	5.92 Ω
Free inductance [Leb]	0.107 mH
Bound inductance [Le]	0.819 mH
Semi-inductance [Ke]	0.0343 SH
Shunt resistance [Rss]	14093 Ω

Mechanical Data	
Force Factor [Bl]	7.0 Tm
Moving mass [Mms]	18 g
Compliance [Cms]	2.05 mm/N
Mechanical resistance [Rms]	1.26 kg/s
Admittance [Ams]	0.241 mm/N

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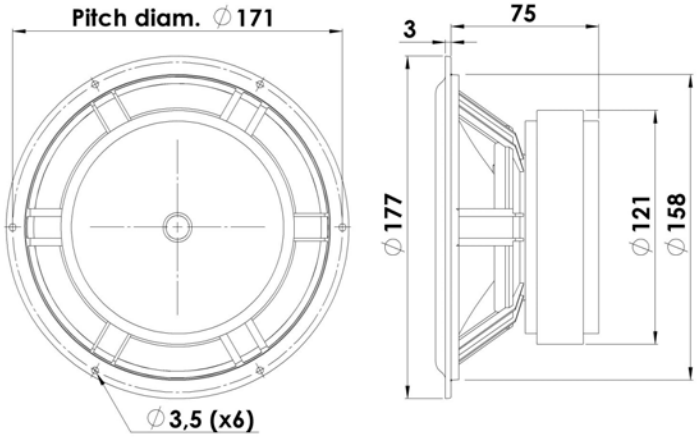
CLASSIC

MIDWOOFER 18W/8545K00

The Symmetric Drive (SD-1) concept with copper in the magnet system was invented by Scan-Speak. High-quality magnet system design has thus been a key feature of Scan-Speak design since the companys inception. The Classic woofers are highly praised, and are used in some of the worlds most exceptional high-end Loudspeakers. Some feature Kevlar cones others have the innovative Carbon fibre paper cones.



KEY FEATURES:

- Patented Symmetrical Drive Motor Design
- Air Dried Paper/Carbon Fibre Cone
- 42mm Voice Coil w. fiber glass foil
- Low-Loss linear suspension
- Low Damping SBR Rubber Surround

T-S Parameters	
Resonance frequency [fs]	28 Hz
Mechanical Q factor [Qms]	5.20
Electrical Q factor [Qes]	0.30
Total Q factor [Qts]	0.28
Force factor [Bl]	8.2 Tm
Mechanical resistance [Rms]	0.69 kg/s
Moving mass [Mms]	20.5 g
Compliance [Cms]	1.58 mm/N
Effective diaph. diameter [D]	136 mm
Effective piston area [Sd]	145 cm²
Equivalent volume [Vas]	46.4 l
Sensitivity (2.83V/1m)	87.5 dB
Ratio Bl/√Re	3.50 N/√W
Ratio fs/Qts	99 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.6 Ω
Maximum impedance [Zo]	101 Ω
DC resistance [Re]	5.5 Ω
Voice coil inductance [Le]	0.4 mH

Power Handling	
100h RMS noise test (IEC 17.1)	100 W
Long-term max power (IEC 17.3)	170 W

Voice Coil & Magnet Data	
Voice coil diameter	42 mm
Voice coil height	19 mm
Voice coil layers	2
Height of gap	6 mm
Linear excursion	± 6.5 mm
Max mech. excursion	± 10 mm
Unit weight	2.3 kg

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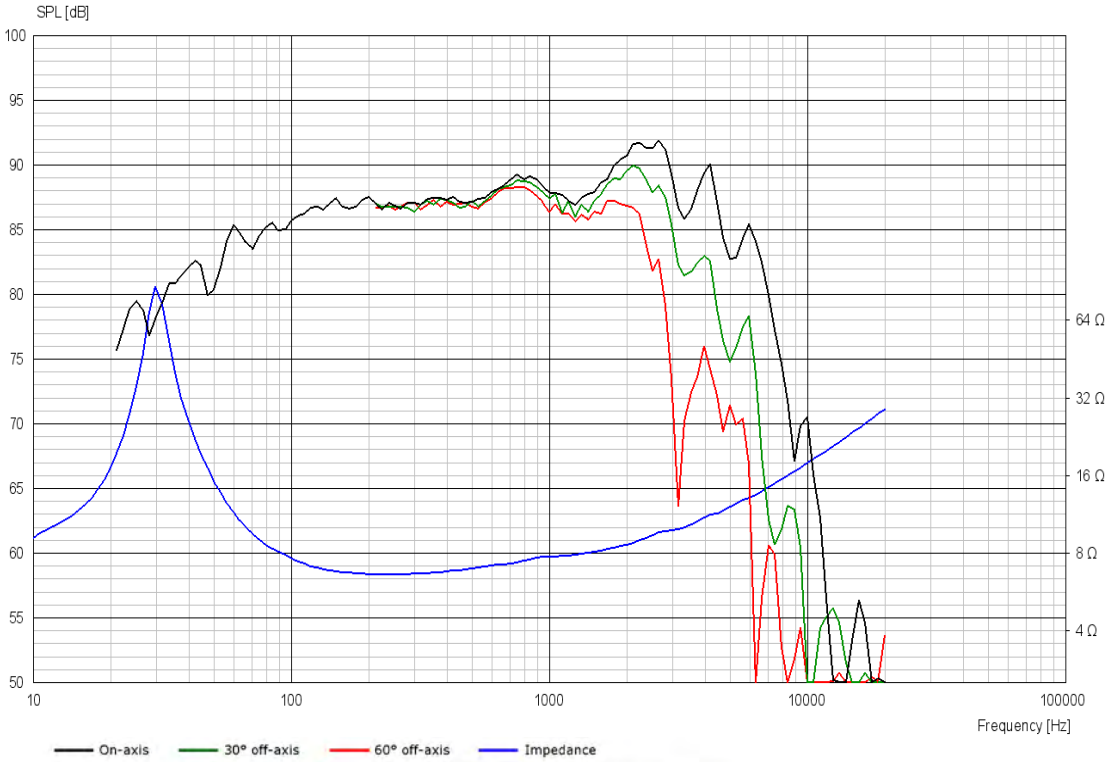
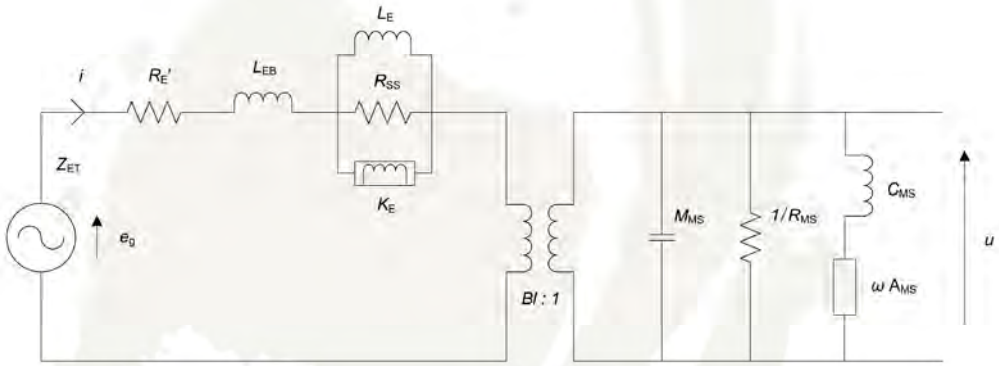
MIDWOOFER 18W/8545K00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	5.60 Ω
Free inductance [Leb]	0.144 mH
Bound inductance [Le]	1.76 mH
Semi-inductance [Ke]	0.034 SH
Shunt resistance [Rss]	100 Ω

Mechanical Data	
Force Factor [Bl]	7.81 Tm
Moving mass [Mms]	20.4 g
Compliance [Cms]	0.96 mm/N
Mechanical resistance [Rms]	0.59 kg/s
Admittance [Ams]	0.06 mm/N

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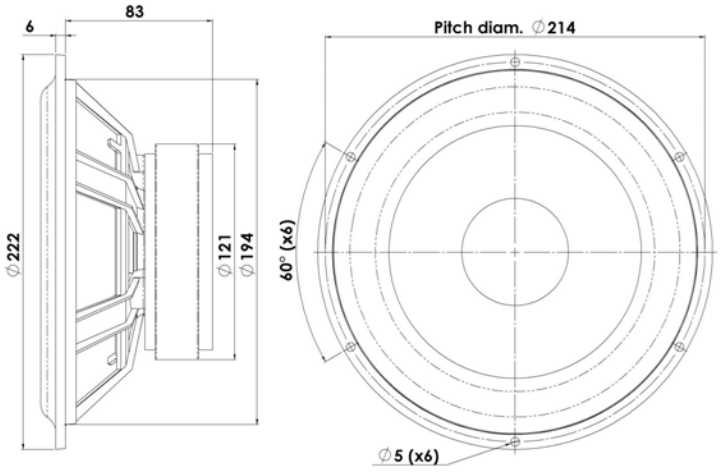
CLASSIC

WOOFER 21W/8555-10

The 21W/8555-10 is a mechanically upgraded version of 21W/8555-00, its major change is the a alu chassis, that maintain same shape, dimensions and visual appearance. The patented Symmetric Drive (SD-1) concept with copper in the magnet system and carbonfiber paper cone and low loss linear suspension continues to be the key features that make the 21W/8555-10 one of the best 8” woofers available.



KEY FEATURES:

- Patented Symmetrical Drive Motor Design SD-1
- Low-Loss linear suspension
- Low Damping SBR Rubber Surround
- Die Cast Alu. Chassis
- Air Dried Paper/Carbon Fibre Cone
- 42mm Voice Coil

T-S Parameters	
Resonance frequency [fs]	20 Hz
Mechanical Q factor [Qms]	4.50
Electrical Q factor [Qes]	0.33
Total Q factor [Qts]	0.31
Force factor [Bl]	8.2 Tm
Mechanical resistance [Rms]	0.89 kg/s
Moving mass [Mms]	32 g
Compliance [Cms]	1.98 mm/N
Effective diaph. diameter [D]	167 mm
Effective piston area [Sd]	220 cm²
Equivalent volume [Vas]	134 l
Sensitivity (2.83V/1m)	87 dB
Ratio Bl/√Re	3.50 N/√W
Ratio fs/Qts	65 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 22, 2016.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.4 Ω
Maximum impedance [Zo]	80.5 Ω
DC resistance [Re]	5.5 Ω
Voice coil inductance [Le]	0.4 mH

Power Handling	
100h RMS noise test (IEC 17.1)	100 W
Long-term max power (IEC 17.3)	160 W

Voice Coil & Magnet Data	
Voice coil diameter	42 mm
Voice coil height	19 mm
Voice coil layers	2
Height of gap	6 mm
Linear excursion	± 6.5 mm
Max mech. excursion	± 12 mm
Unit weight	2.2 kg

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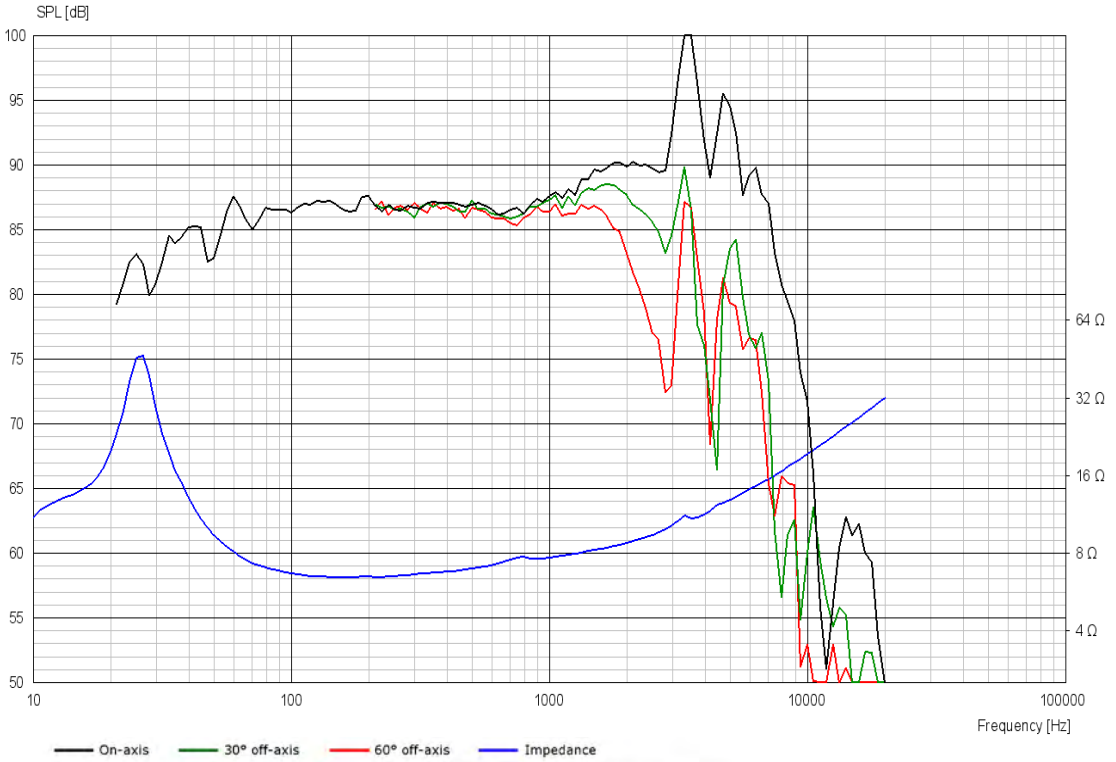
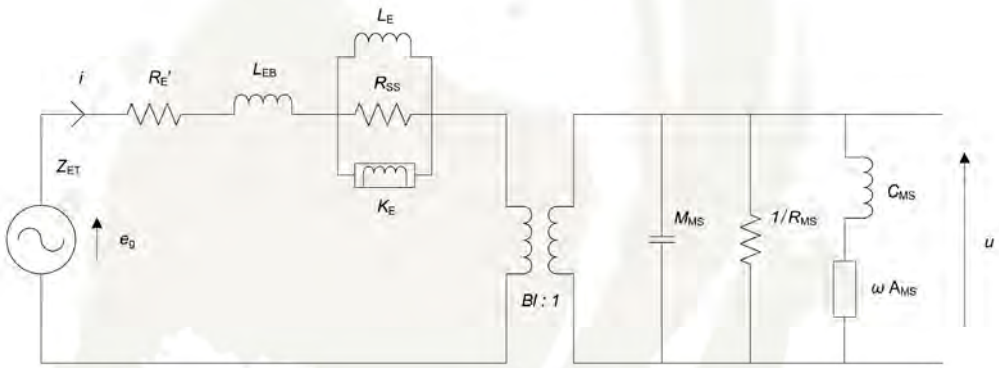
WOOFER 21W/8555-10



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	5.58 Ω
Free inductance [Leb]	0.158 mH
Bound inductance [Le]	2.04 mH
Semi-inductance [Ke]	0.033 SH
Shunt resistance [Rss]	101 Ω

Mechanical Data	
Force Factor [Bl]	7.81 Tm
Moving mass [Mms]	33.9 g
Compliance [Cms]	1.22 mm/N
Mechanical resistance [Rms]	0.70 kg/s
Admittance [Ams]	0.09 mm/N

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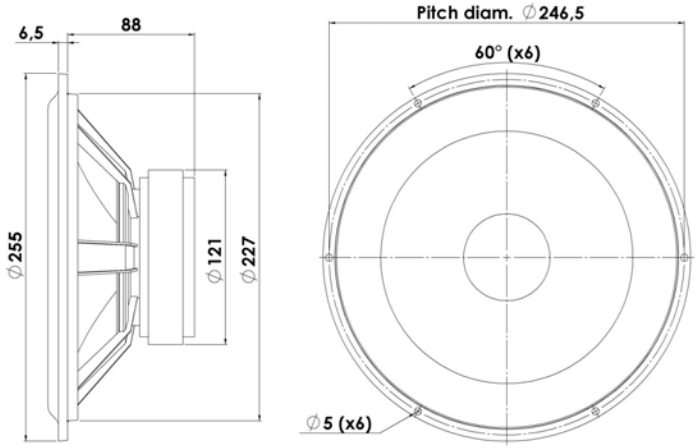
CLASSIC

WOOFER 25W/8565-00

The Symmetric Drive (SD-1) concept with copper in the magnet system was invented by Scan-Speak. High-quality magnet system design has thus been a key feature of Scan-Speak design since the companys inception. The Classic woofers are highly praised, and are used in some of the worlds most exceptional high-end Loudspeakers. Some feature Kevlar cones, others have the innovative Carbon fibre/Paper cones.



KEY FEATURES:

- Patented Symmetrical Drive Motor Design
- Low-Loss linear suspension
- Low Damping SBR Rubber Surround
- Low Resonance Freq. 20Hz
- Air Dried Paper/Carbon Fibre Cone
- 42mm Voice Coil

T-S Parameters	
Resonance frequency [fs]	20 Hz
Mechanical Q factor [Qms]	5.40
Electrical Q factor [Qes]	0.44
Total Q factor [Qts]	0.41
Force factor [Bl]	8.2 Tm
Mechanical resistance [Rms]	1.00 kg/s
Moving mass [Mms]	43 g
Compliance [Cms]	1.47 mm/N
Effective diaph. diameter [D]	205 mm
Effective piston area [Sd]	330 cm²
Equivalent volume [Vas]	225 l
Sensitivity (2.83V/1m)	88 dB
Ratio Bl/√Re	3.50 N/√W
Ratio fs/Qts	49 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.2 Ω
Maximum impedance [Zo]	73.0 Ω
DC resistance [Re]	5.5 Ω
Voice coil inductance [Le]	0.4 mH

Power Handling	
100h RMS noise test (IEC 17.1)	100 W
Long-term max power (IEC 17.3)	200 W

Voice Coil & Magnet Data	
Voice coil diameter	42 mm
Voice coil height	19 mm
Voice coil layers	2
Height of gap	6 mm
Linear excursion	± 6.5 mm
Max mech. excursion	± 12 mm
Unit weight	2.3 kg

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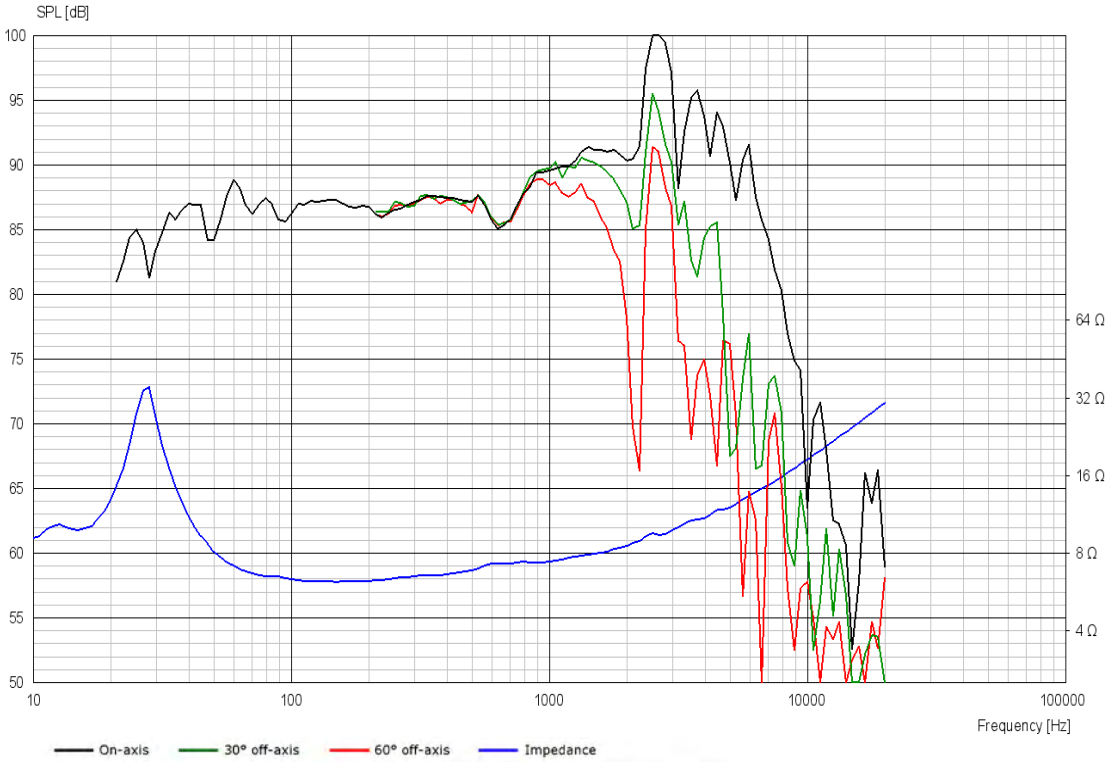
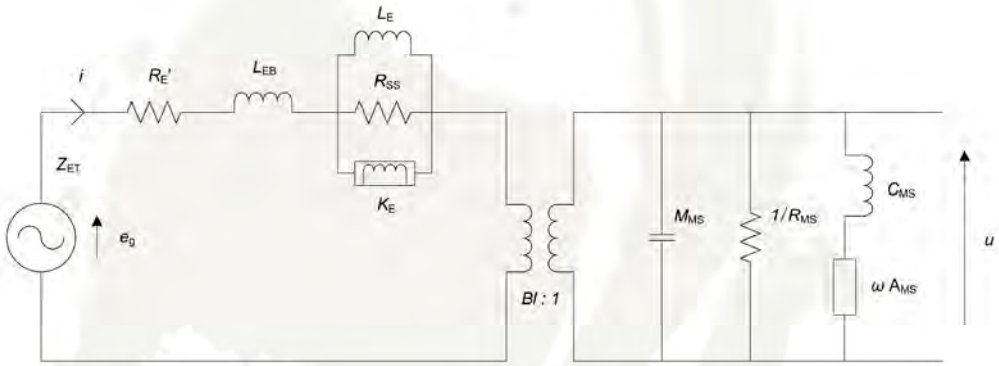
CLASSIC

WOOFER 25W/8565-00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	5.52 Ω
Free inductance [Leb]	0.159 mH
Bound inductance [Le]	1.72 mH
Semi-inductance [Ke]	0.030 SH
Shunt resistance [Rss]	125 Ω

Mechanical Data	
Force Factor [Bl]	7.75 Tm
Moving mass [Mms]	41.3 g
Compliance [Cms]	1.10 mm/N
Mechanical resistance [Rms]	0.96 kg/s
Admittance [Ams]	0.11 mm/N

SCANSPEAK

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DISCOVERY

The Discovery series is our newest line with its defining characteristics and well known superior sound, a solid construction and a wide range of variants. Combining these three elements - plus a wealth of technical features and finesses - gives our customers the possibility of acquiring a tailor-made Scan-Speak solution at a lower price point compared to our other product lines.

Midwoofers & woofers, ranging in size from 12 - 26cm, meet several ambitions and goals such as a linear frequency response and high sensitivity. With black coated fibreglass cones and rubber surround, they are built for performance. Venting the aluminium baskets below the spider reduces compression, providing an improved sound.

Midranges & Full range, both dome and cone versions are available in the midrange section of the Discovery series. The D7608/9200 dome midrange has been known for its superior performance for decades. It features a wide dispersion, high output (92dB @ 1W) and natural clean and undistorted sound as well as compact mounting dimensions.

Within midrange products you find the 10F cone full range unit. It is excellent for midrange reproduction due to its compact and very powerful neodymium motor along with the black coated fibreglass cone and rubber surround. It tops out by producing 90dB @ 2.83V, an exceptionally high sensitivity for such a small driver. The aluminium basket contributes to the robustness of the design. The sound quality offered by this driver is a leader in the market. You can also count on the 15M cone midrange to be there when and where you need it. With a 25mm voice coil and ferrite magnet system, it provides high sensitivity (92dB @ 2.83V). With special attention being paid to the diaphragm and surround as differentiating parts of the product, it provides excellent midrange reproduction, complementing the woofers and midwoofers of the Discovery line.

Tweeters, whether you prefer dome or ring dome tweeters, Discovery has your needs covered. The D2606/922000 tweeter makes its strong presence felt thanks to a 25mm dome, ferrofluid and a rear chamber. A lower cost version, D2606/920000, is available without ferrofluid and rear chamber.

Expanding to include both dome and ring dome versions, the D2604/R2604 wide surround ensure that performance is impressive here as well, offering a lower cost alternative to the Scan-Speak Revelator tweeters. Add the very wide dispersion of the dome variant, along with the very low distortion of the ring dome variant, and some timeless units are born.

The D2608/913000 also contributes exceptionally well thanks to the built-in high sensitivity and rear chamber. This driver has been designed as a very price competitive alternative to our Scan-Speak 1" classic tweeters.

DISCOVERY OVERVIEW

Tweeters	Size [Inch.]	fs [Hz]	Re [Ω]	Qms	Qes	Qts	Sens. [dB]	VAS [l]	Bl [Tm]	Mms [g]	Xmax ± [mm]	VC dia. [mm]
D2604/830000	1	630	2.8	3.46	1.02	0.79	92.1	0.01	2.2	0.42	0.3	26
D2604/833000	1	475	2.8	2.55	0.71	0.55	93	0.02	2.2	0.42	0.3	26
D2606/920000	1	1100	4.6	2.36	1.31	0.84	91.4	0.01	2.7	0.3	0.2	26
D2606/922000	1	850	4.6	1.22	1.07	0.57	91.4	0.01	2.8	0.33	0.2	26
D2608/913000	1	700	5.6	0.51	0.65	0.29	91.3	0.02	2.6	0.18	0.5	26
H2606/920000	1	1030	4.7	2.1	1.2	0.7	95.2	-	3.3	0.4	0.2	25
R2604/832000	1	500	2.9	2.77	0.52	0.44	90.0	0.01	2.3	0.3	0.2	26
R2604/833000	1	440	2.9	2.18	0.46	0.38	92	0.02	2.3	0.3	0.2	26

Midranges/Fullranges	Size [Inch.]	fs [Hz]	Re [Ω]	Qms	Qes	Qts	Sens. [dB]	VAS [l]	Bl [Tm]	Mms [g]	Xmax ± [mm]	VC dia. [mm]
5F/8422T01	2	93	6.0	5.17	0.69	0.61	80	0.50	3.07	1.86	2	26
10F/4424G00	3.5	90	3.2	3.2	0.32	0.29	89.8	2.0	3.9	2.8	2.6	20
10F/8414G10	3.5	100	6.3	2.44	0.65	0.51	86	1.57	4.27	2.93	2.3	19.4
10F/8424G00	3.5	90	5.8	3.49	0.41	0.37	86.6	2.1	4.8	2.77	2.6	20
D7608/920000	3	300	5.7	7.75	2.22	1.73	92	0.36	4.7	3.3	0.4	76
D7608/920010	3	300	5.7	7.75	2.22	1.73	92	0.36	4.7	3.3	0.4	76
15M/4624G00	5.5	100	3.2	5.62	0.47	0.43	92.4	3.7	5.3	6.2	1.5	25

Midwoofers	Size [Inch.]	fs [Hz]	Re [Ω]	Qms	Qes	Qts	Sens. [dB]	VAS [l]	Bl [Tm]	Mms [g]	Xmax ± [mm]	VC dia. [mm]
12W/4524G00	4	50	3.1	3.35	0.30	0.27	88.8	8.2	4.4	6.1	3	25
12W/8524G00	4	52	5.7	3.42	0.35	0.32	85.8	8.2	5.4	5.6	3	25
15W/4424G00	5.5	44	2.9	3.73	0.22	0.21	90.6	14.5	5.4	8.1	2.8	25
15W/4434G00	5.5	43	3	3.69	0.22	0.21	89.7	12.8	5.9	9.6	4.3	32
15W/8424G00	5.5	46	5.5	3.60	0.27	0.25	87.7	14.5	6.6	7.54	2.6	25
15W/8434G00	5.5	45	5.7	3.74	0.27	0.25	86.9	12.8	7.3	8.61	4.2	32
18W/4424G00	6.5	49	3.2	4.57	0.42	0.38	90.9	24.1	5.2	11.4	2.8	25
18W/4434G00	6.5	47	3	7.81	0.37	0.35	91.3	20.7	6.0	14.41	4.3	32
18W/8424G00	6.5	54	5.7	4.04	0.51	0.45	89.4	20.3	6.6	11.3	2.6	25
18W/8434G00	6.5	50	5.6	7.58	0.46	0.43	88.7	19.5	7.2	13.7	4.2	32

Woofers	Size [Inch.]	fs [Hz]	Re [Ω]	Qms	Qes	Qts	Sens. [dB]	VAS [l]	Bl [Tm]	Mms [g]	Xmax ± [mm]	VC dia. [mm]
22W/4534G00	8	30	3	3.70	0.37	0.34	92.4	95.0	6	23.7	5.7	38
22W/8534G00	8	30	5.9	4.14	0.43	0.39	88.8	94.2	7.8	23.1	5.8	38
26W/4534G00	10	23	3.8	9.57	0.37	0.36	90.5	156	8.8	52	6	38
26W/8534G00	10	23	5.7	9.12	0.42	0.40	89	150	10.1	50.5	6	38

Subwoofers	Size [Inch.]	fs [Hz]	Re [Ω]	Qms	Qes	Qts	Sens. [dB]	VAS [l]	Bl [Tm]	Mms [g]	Xmax ± [mm]	VC dia. [mm]
26W/4558T00	10	21	2.6	5.56	0.33	0.31	88	94.9	10.5	105	12.5	51
30W/4558T00	12	17	2.6	5.01	0.34	0.32	89	197	10.5	135	12.5	51

Passive Radiators	Size [Inch.]	fs [Hz]	Re [Ω]	Qms	Qes	Qts	Sens. [dB]	VAS [l]	Bl [Tm]	Mms [g]	Xmax ± [mm]	VC dia. [mm]
26W/0-00-00	10	11	-	13.7	-	-	-	95	-	400	-	-
30W/0-00-00	12	9.5	-	14	-	-	-	200	-	435	-	-

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DISCOVERY

TWEETER D2604/830000

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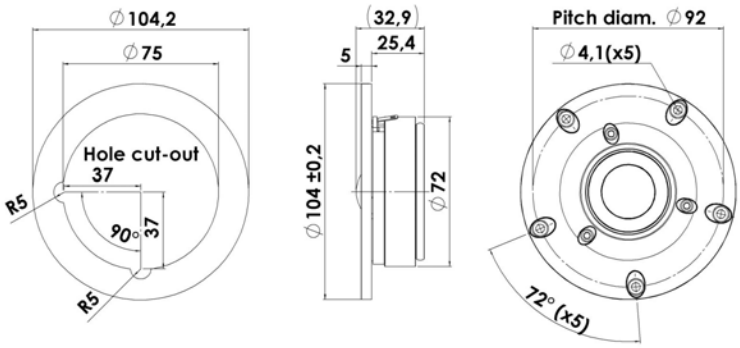

KEY FEATURES:

- High sensitivity - 92dB
- Low Resonance Frequency - 630Hz
- Wide Dispersion
- Extended Frequency to Above 30KHz
- Low Distortion
- Textile Diaphragm, Wide Surround

T-S Parameters	
Resonance frequency [fs]	630 Hz
Mechanical Q factor [Qms]	3.46
Electrical Q factor [Qes]	1.02
Total Q factor [Qts]	0.79
Force factor [Bl]	2.2 Tm
Mechanical resistance [Rms]	0.48 kg/s
Moving mass [Mms]	0.42 g
Compliance [Cms]	0.15 mm/N
Effective diaph. diameter [D]	32 mm
Effective piston area [Sd]	8 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	92.1 dB
Ratio Bl/√Re	1.31 N/√W
Ratio fs/Qts	800 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.7 Ω
Maximum impedance [Zo]	12.3 Ω
DC resistance [Re]	2.8 Ω
Voice coil inductance [Le]	0.04 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	100 W
Long-term max power (IEC 17.3)*	240 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	2 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.3 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.5 kg

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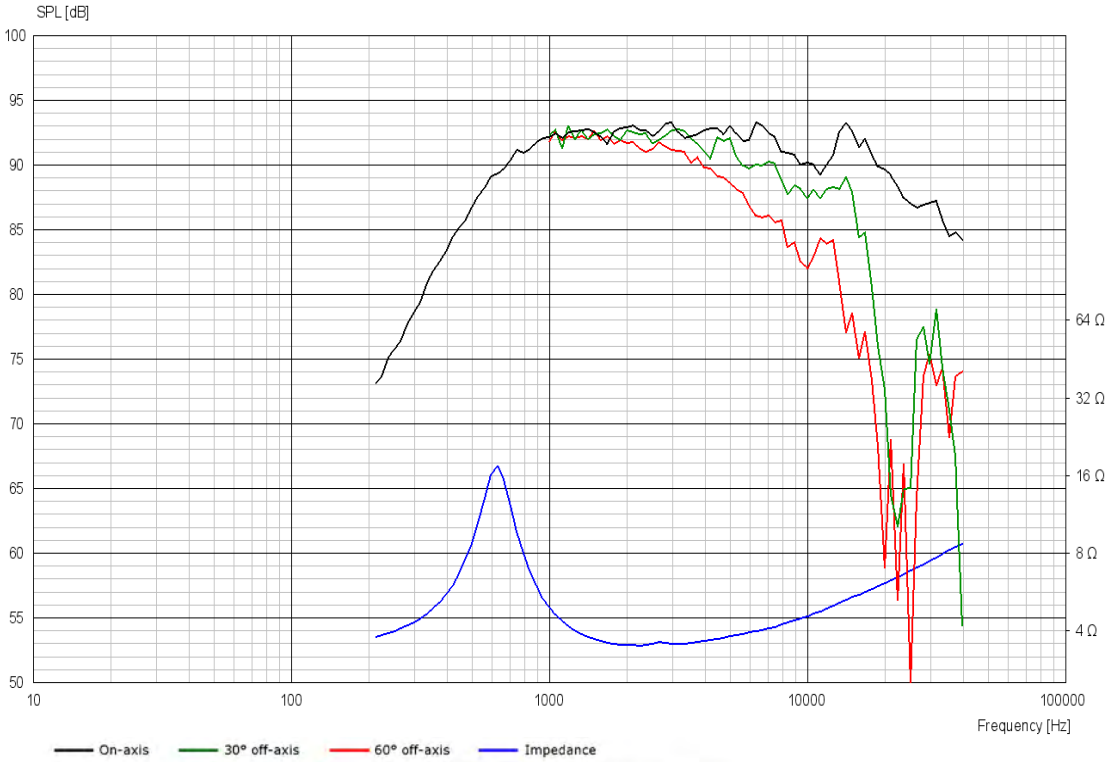
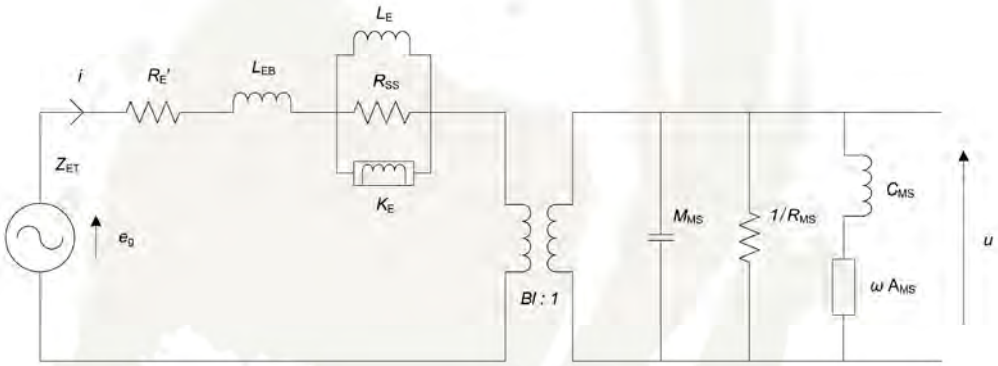


Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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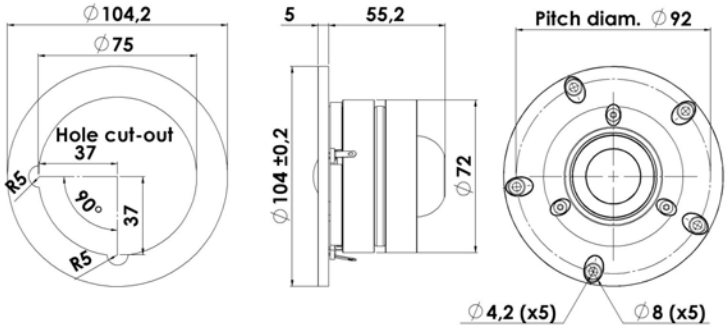

KEY FEATURES:

- High sensitivity - 93dB
- Low Resonance Frequency - 475Hz
- Wide Dispersion
- Extended Frequency to Above 40KHz
- Low Distortion
- Textile Diaphragm, wide Surround

T-S Parameters	
Resonance frequency [fs]	475 Hz
Mechanical Q factor [Qms]	2.55
Electrical Q factor [Qes]	0.71
Total Q factor [Qts]	0.55
Force factor [Bl]	2.2 Tm
Mechanical resistance [Rms]	0.49 kg/s
Moving mass [Mms]	0.42 g
Compliance [Cms]	0.27 mm/N
Effective diaph. diameter [D]	32 mm
Effective piston area [Sd]	8 cm²
Equivalent volume [Vas]	0.02 l
Sensitivity (2.83V/1m)	93 dB
Ratio Bl/√Re	1.31 N/√W
Ratio fs/Qts	857 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: March 23, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.8 Ω
Maximum impedance [Zo]	12.9 Ω
DC resistance [Re]	2.8 Ω
Voice coil inductance [Le]	0.04 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	100 W
Long-term max power (IEC 17.3)*	240 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	2 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.3 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.8 kg

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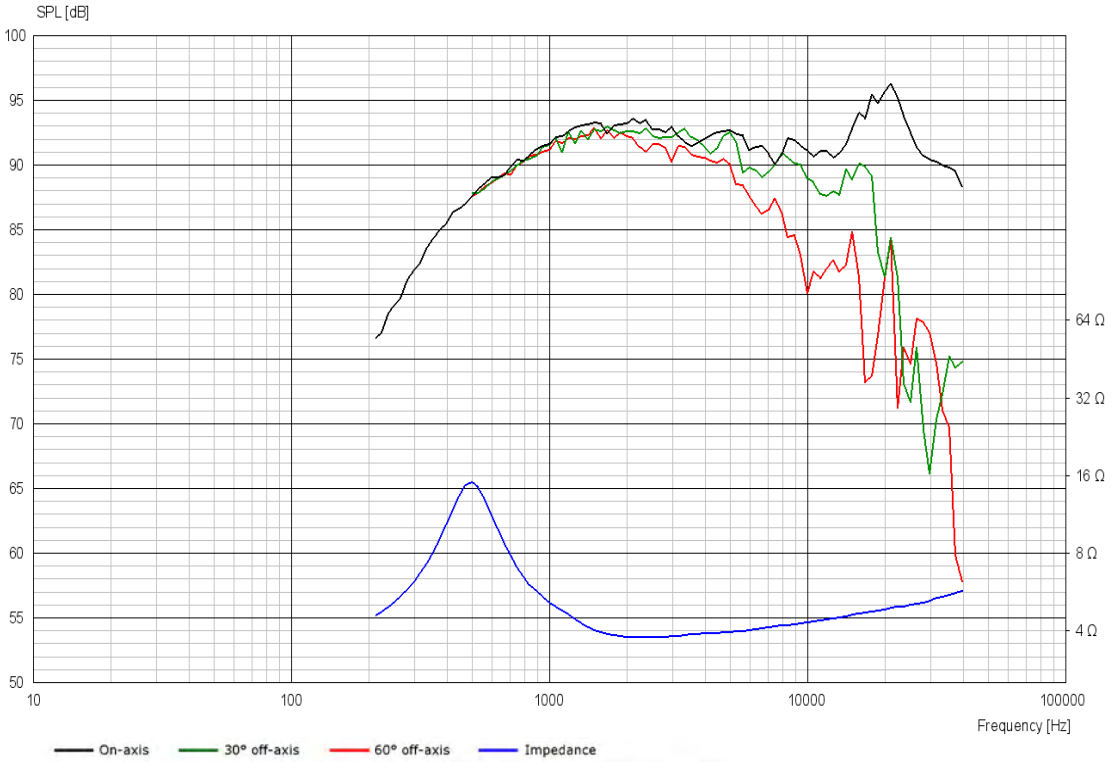
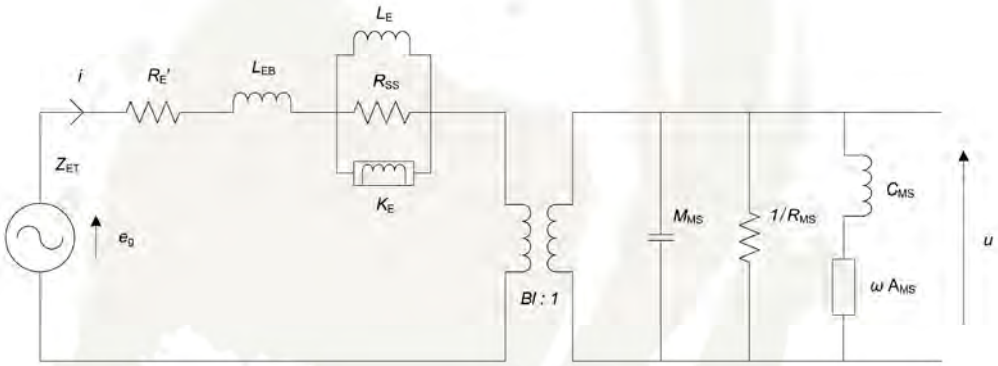


Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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TWEETER D2606/920000

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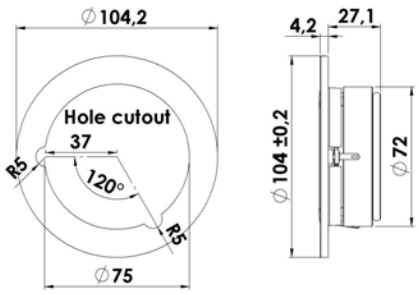

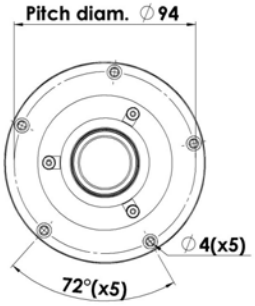

KEY FEATURES:

- High Performance Tweeter
- Low Damping Ferrofluid Cooling
- Linear response faceplate, Neutral Design
- Coated Textile Diaphragm
- High Stability
- Dampened Cavity in Pole Piece

T-S Parameters	
Resonance frequency [fs]	1100 Hz
Mechanical Q factor [Qms]	2.36
Electrical Q factor [Qes]	1.31
Total Q factor [Qts]	0.84
Force factor [Bl]	2.7 Tm
Mechanical resistance [Rms]	0.88 kg/s
Moving mass [Mms]	0.3 g
Compliance [Cms]	0.07 mm/N
Effective diaph. diameter [D]	30 mm
Effective piston area [Sd]	7.1 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	91.4 dB
Ratio Bl/√Re	1.26 N/√W
Ratio fs/Qts	1308 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	6 Ω
Minimum impedance [Zmin]	5.0 Ω
Maximum impedance [Zo]	12.9 Ω
DC resistance [Re]	4.6 Ω
Voice coil inductance [Le]	0.04 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	100 W
Long-term max power (IEC 17.3)*	200 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	1.6 mm
Voice coil layers	2
Height of gap	2 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.5 kg

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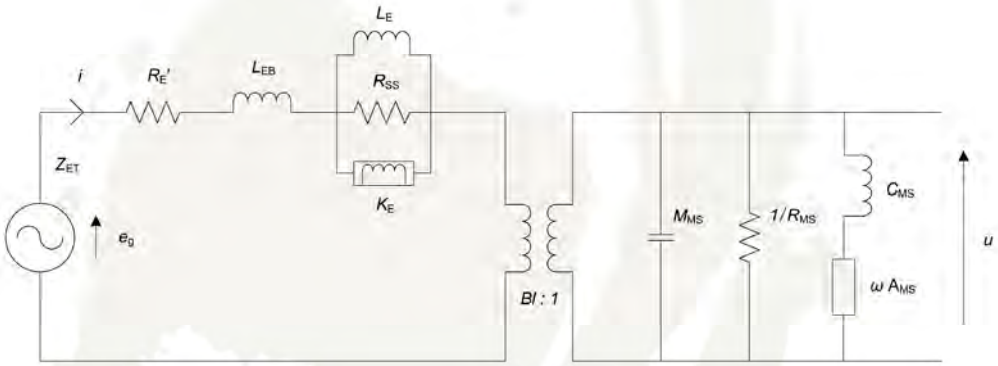
DISCOVERY

TWEETER D2606/920000

Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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DISCOVERY

TWEETER D2606/922000

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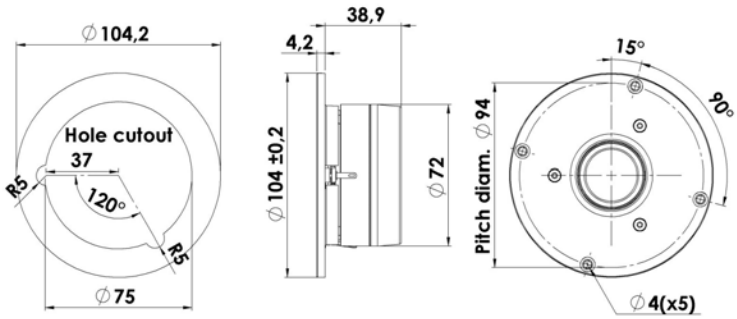

KEY FEATURES:

- High Performance 1" Tweeter
- Coated Textile Diaphragm
- Braided tinsel leads
- Low Damping Ferrofluid Cooling for High Stability
- Double chamber
- Neutral face plate design

T-S Parameters	
Resonance frequency [fs]	850 Hz
Mechanical Q factor [Qms]	1.22
Electrical Q factor [Qes]	1.07
Total Q factor [Qts]	0.57
Force factor [Bl]	2.8 Tm
Mechanical resistance [Rms]	1.44 kg/s
Moving mass [Mms]	0.33 g
Compliance [Cms]	0.11 mm/N
Effective diaph. diameter [D]	30 mm
Effective piston area [Sd]	7.1 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	91.4 dB
Ratio Bl/√Re	1.31 N/√W
Ratio fs/Qts	1491 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	6 Ω
Minimum impedance [Zmin]	5.4 Ω
Maximum impedance [Zo]	9.8 Ω
DC resistance [Re]	4.6 Ω
Voice coil inductance [Le]	0.04 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	100 W
Long-term max power (IEC 17.3)*	225 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	1.6 mm
Voice coil layers	2
Height of gap	2 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.5 kg

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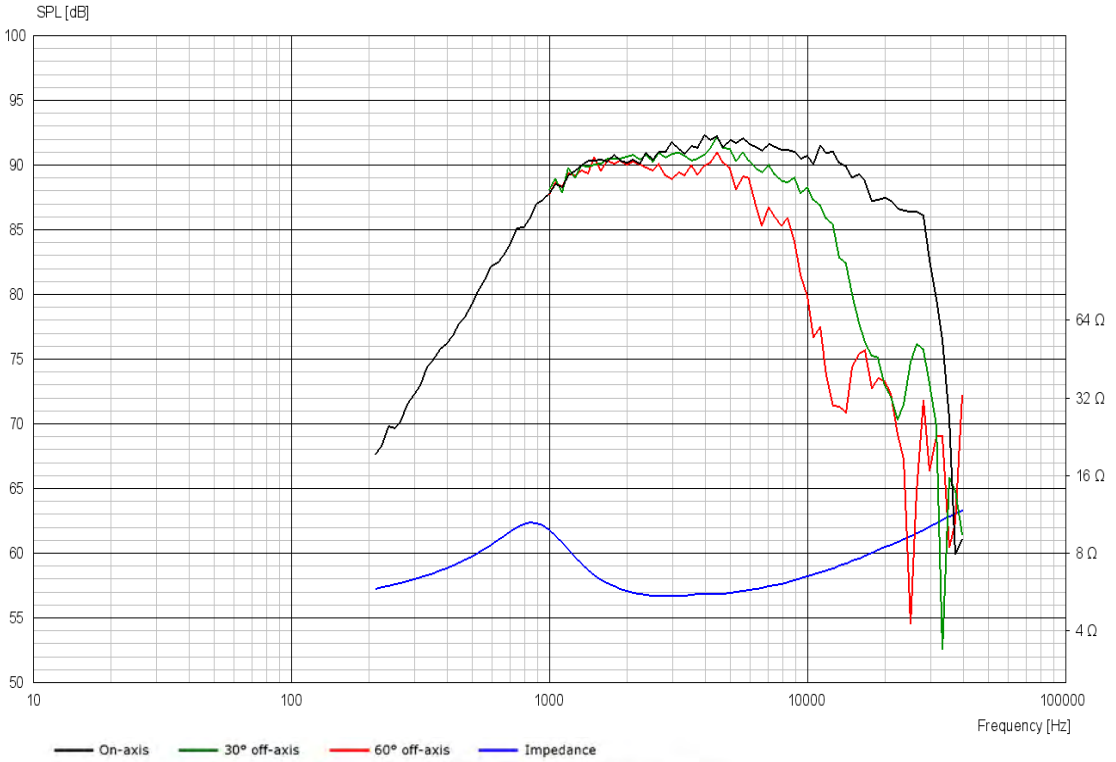
DISCOVERY

TWEETER D2606/922000



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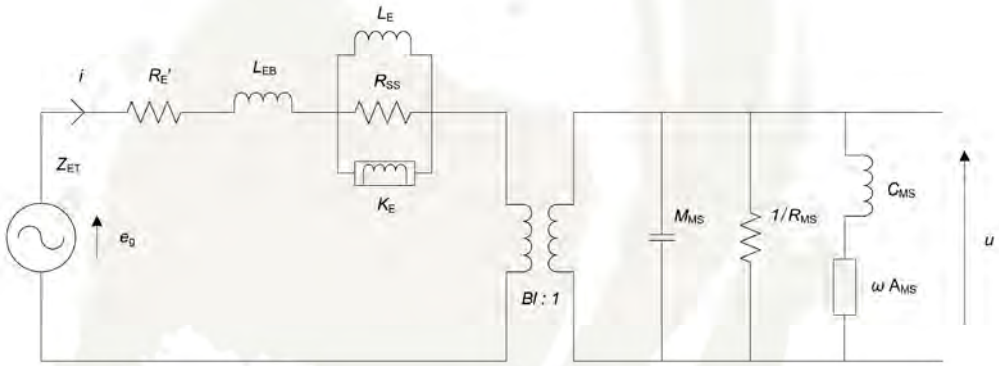

Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

SCANSPEAK

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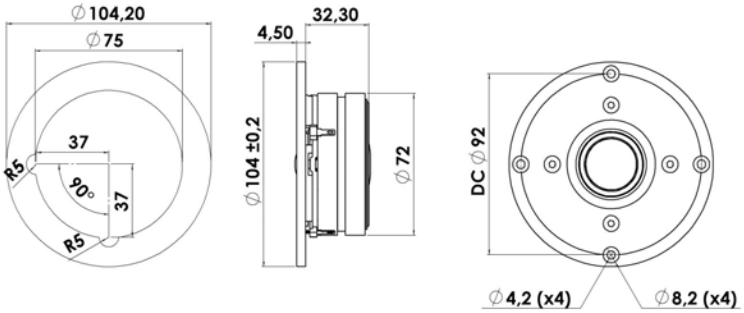
DISCOVERY

TWEETER D2608/913000

The Discovery series offer traditional design, superior sound, a solid construction, and a wide range of variants. Combining these elements - plus a wealth of technical features and finesses - it gives our customers the possibility of acquiring a tailor-made Scan-Speak solution with very good performance at a reasonable low price point!



KEY FEATURES:

- Very low mass soft dome diaphragm
- Ferrofluid
- Low resonance Frequency
- Optimized Magnet System with Double magnets
- Fully Vented Motor System for Low compression
- Black Die-Cast Aluminium Face Plate

T-S Parameters	
Resonance frequency [fs]	700 Hz
Mechanical Q factor [Qms]	0.51
Electrical Q factor [Qes]	0.65
Total Q factor [Qts]	0.29
Force factor [Bl]	2.6 Tm
Mechanical resistance [Rms]	1.54 kg/s
Moving mass [Mms]	0.18 g
Compliance [Cms]	0.29 mm/N
Effective diaph. diameter [D]	30 mm
Effective piston area [Sd]	7 cm²
Equivalent volume [Vas]	0.02 l
Sensitivity (2.83V/1m)	91.3 dB
Ratio Bl/√Re	1.10 N/√W
Ratio fs/Qts	2434 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.6 Ω
Maximum impedance [Zo]	10.0 Ω
DC resistance [Re]	5.6 Ω
Voice coil inductance [Le]	0.04 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	80 W
Long-term max power (IEC 17.3)*	400 W

*Filter: 2. order HP Butterworth, 4 kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	1.5 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.5 mm
Max mech. excursion	± - mm
Unit weight	0.7 kg

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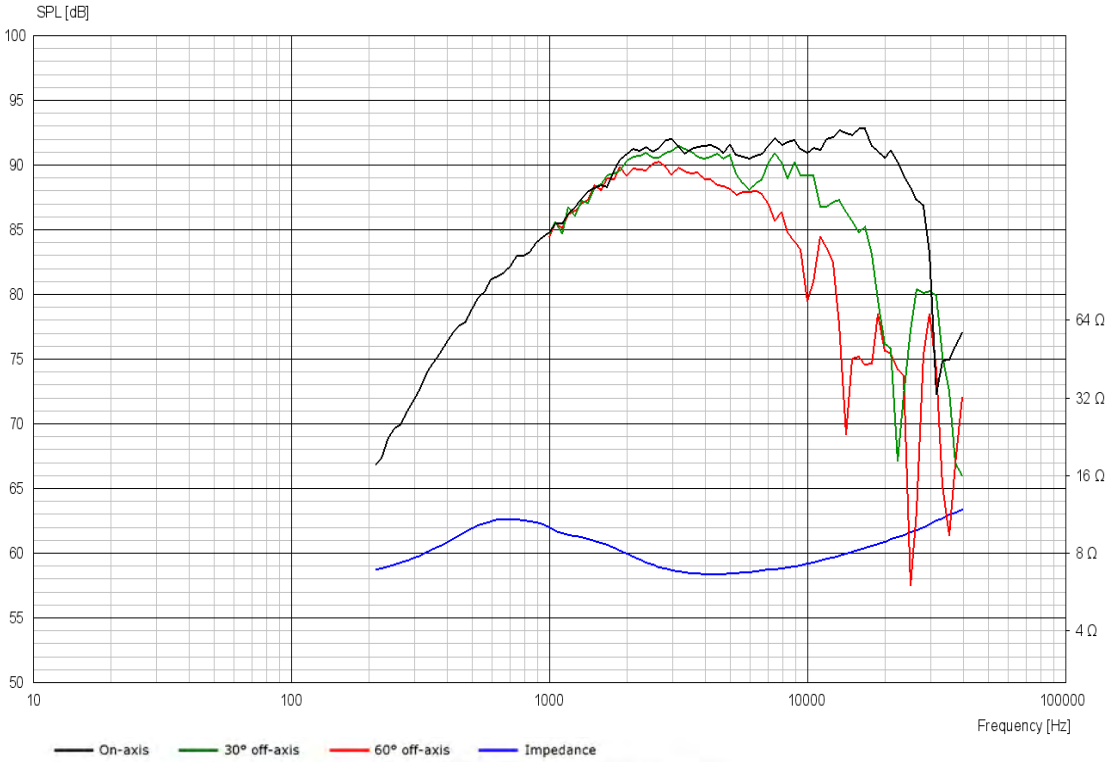
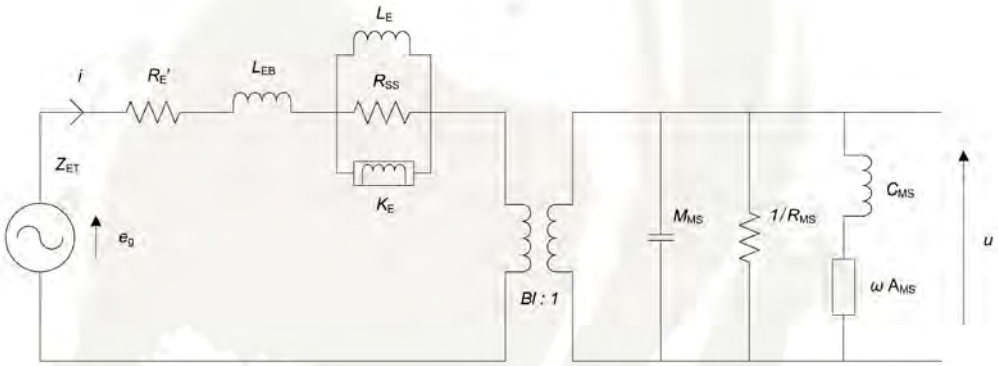
DISCOVERY

TWEETER D2608/913000



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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DISCOVERY

TWEETER H2606/920000

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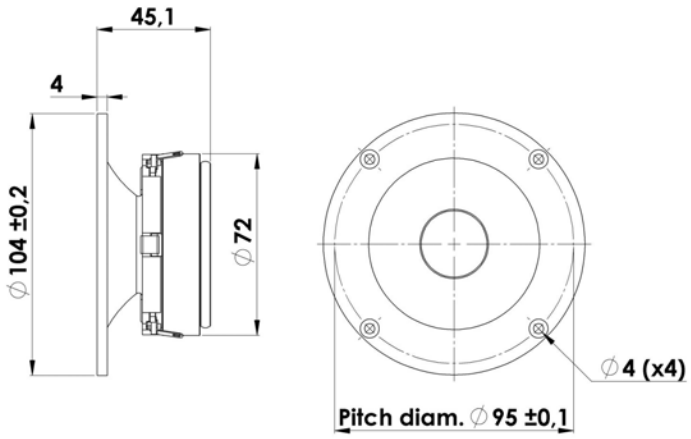

KEY FEATURES:

- Horn Loaded High Sensitivity Tweeter
- Low Damping Ferrofluid Cooling
- Coated Textile Diaphragm
- High Stability
- High Performance Tweeter
- Dampened Cavity in Pole Piece

T-S Parameters	
Resonance frequency [fs]	1030 Hz
Mechanical Q factor [Qms]	2.1
Electrical Q factor [Qes]	1.2
Total Q factor [Qts]	0.7
Force factor [Bl]	3.3 Tm
Mechanical resistance [Rms]	1.3 kg/s
Moving mass [Mms]	0.4 g
Compliance [Cms]	- mm/N
Effective diaph. diameter [D]	26 mm
Effective piston area [Sd]	5.7 cm²
Equivalent volume [Vas]	- l
Sensitivity (2.83V/1m)	95.2 dB
Ratio Bl/√Re	1.5 N/√W
Ratio fs/Qts	- Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 21, 2016.

Electrical Data	
Nominal impedance [Zn]	6 Ω
Minimum impedance [Zmin]	5.0 Ω
Maximum impedance [Zo]	14.2 Ω
DC resistance [Re]	4.7 Ω
Voice coil inductance [Le]	0.05 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	100 W
Long-term max power (IEC 17.3)*	200 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	25 mm
Voice coil height	1.6 mm
Voice coil layers	2
Height of gap	2 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.6 kg

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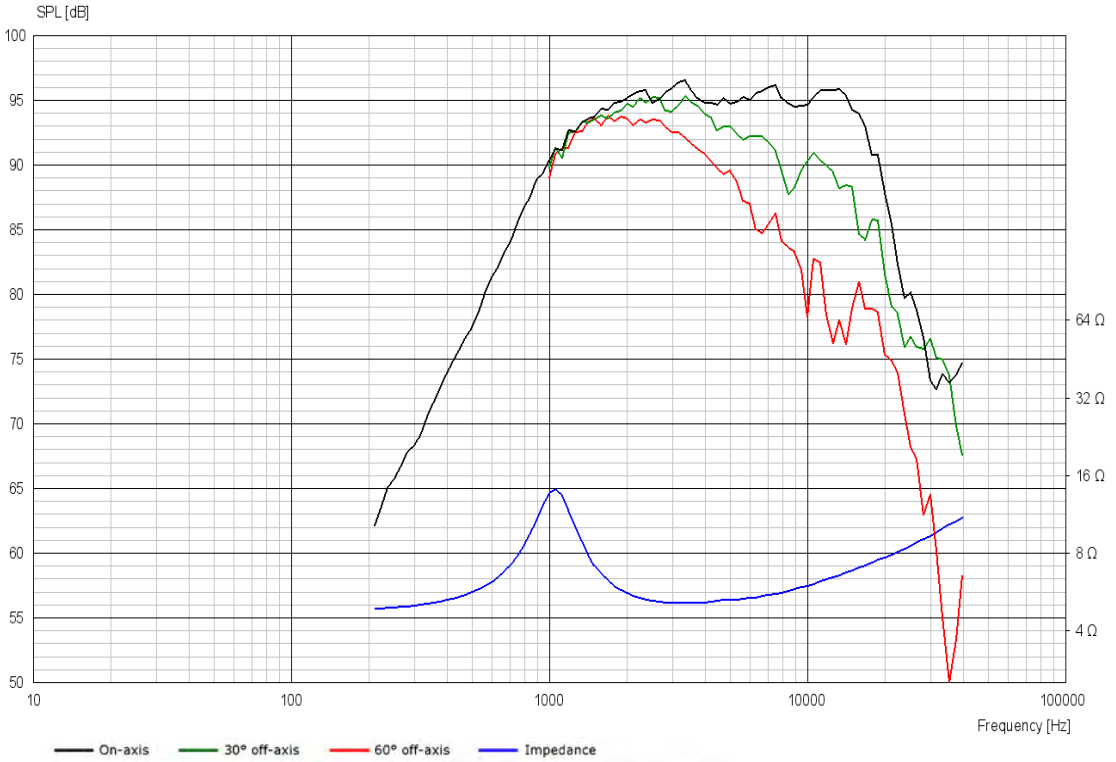
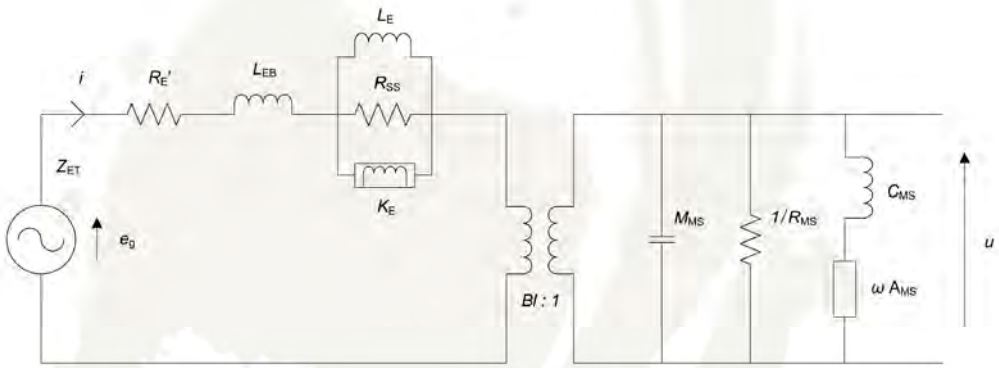
DISCOVERY

TWEETER H2606/920000



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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DISCOVERY

TWEETER R2604/832000

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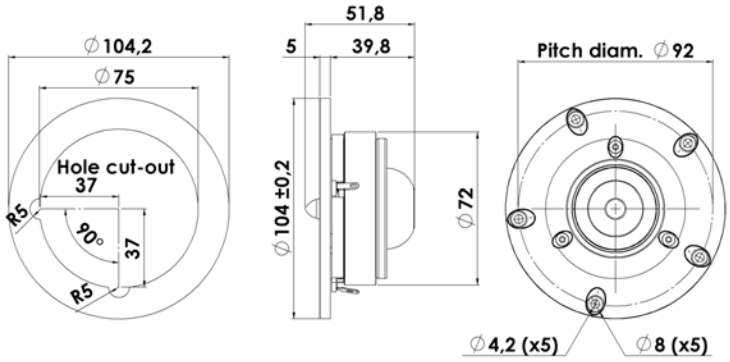

KEY FEATURES:

- Extended Frequency To Above 40KHz
- Low Distortion
- Wave-guide center plug (Patent)
- Very Low Resonance Frequency - 500Hz
- Dual Ring Radiator diaphragm (Patent)
- Textile Diaphragm

T-S Parameters	
Resonance frequency [fs]	500 Hz
Mechanical Q factor [Qms]	2.77
Electrical Q factor [Qes]	0.52
Total Q factor [Qts]	0.44
Force factor [Bl]	2.3 Tm
Mechanical resistance [Rms]	0.34 kg/s
Moving mass [Mms]	0.3 g
Compliance [Cms]	0.34 mm/N
Effective diaph. diameter [D]	26 mm
Effective piston area [Sd]	5.4 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	90.0 dB
Ratio Bl/√Re	1.35 N/√W
Ratio fs/Qts	1147 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.7 Ω
Maximum impedance [Zo]	18.4 Ω
DC resistance [Re]	2.9 Ω
Voice coil inductance [Le]	0.02 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	100 W
Long-term max power (IEC 17.3)*	- W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	2.2 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.5 kg

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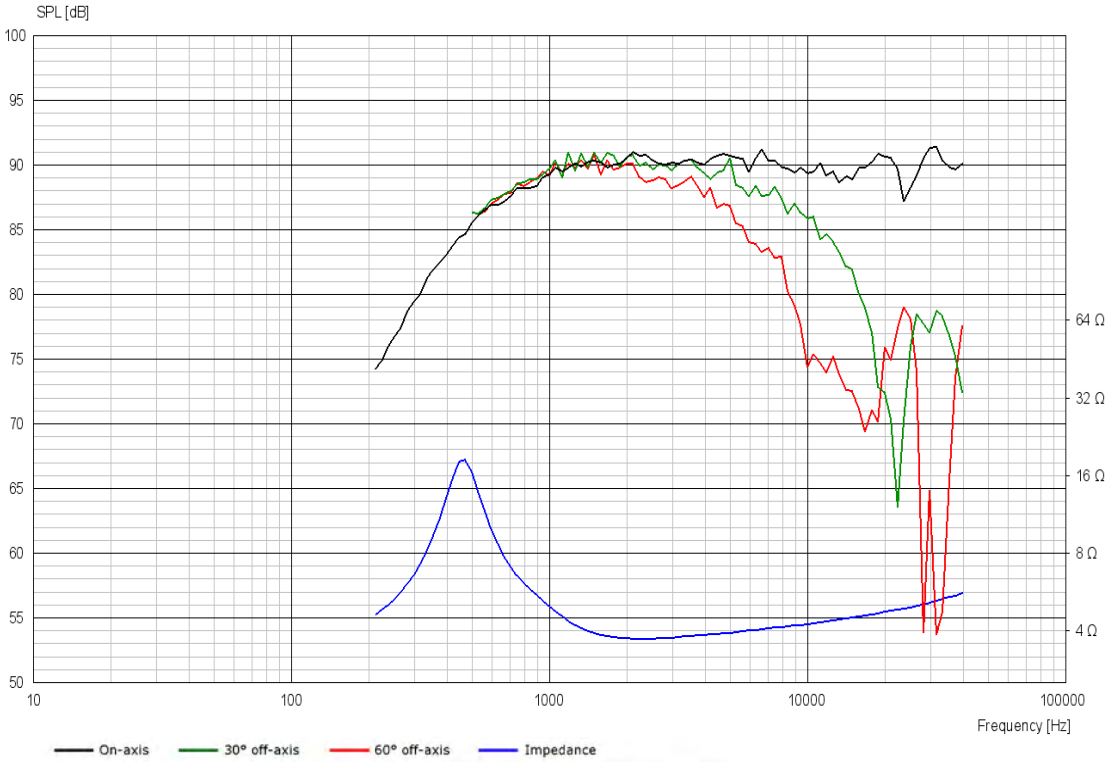
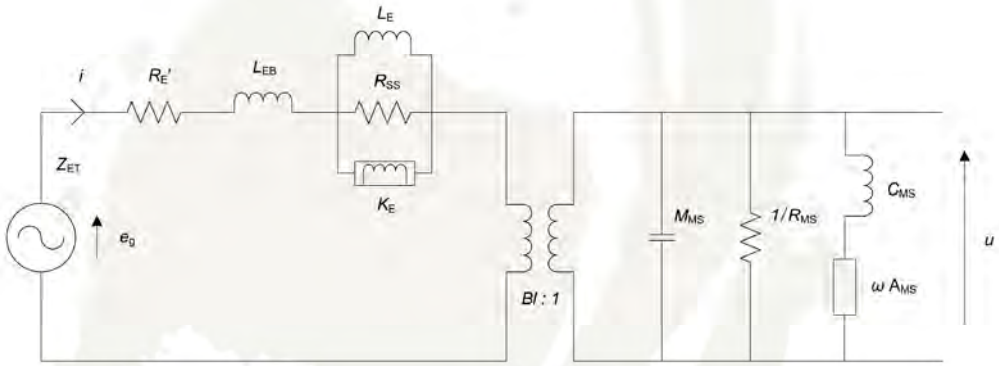
DISCOVERY

TWEETER R2604/832000



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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DISCOVERY

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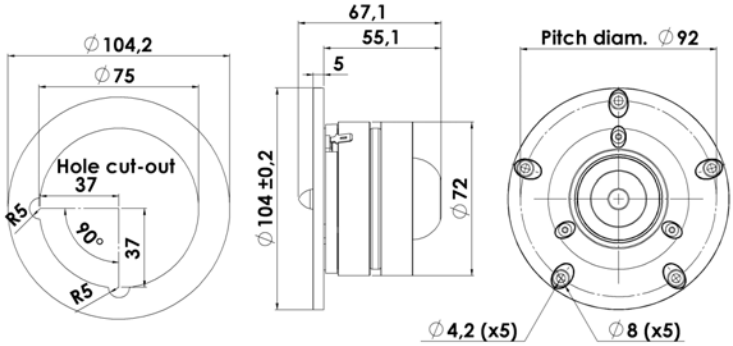

KEY FEATURES:

- Extended Frequency To Above 40KHz
- Low Distortion
- Dual Ring Radiator diaphragm (Patent)
- Very Low Resonance Frequency - 450Hz
- High sensitivity - 92dB
- Wave-guide center plug (Patent)

T-S Parameters	
Resonance frequency [fs]	440 Hz
Mechanical Q factor [Qms]	2.18
Electrical Q factor [Qes]	0.46
Total Q factor [Qts]	0.38
Force factor [Bl]	2.3 Tm
Mechanical resistance [Rms]	0.38 kg/s
Moving mass [Mms]	0.3 g
Compliance [Cms]	0.44 mm/N
Effective diaph. diameter [D]	26 mm
Effective piston area [Sd]	5.4 cm²
Equivalent volume [Vas]	0.02 l
Sensitivity (2.83V/1m)	92 dB
Ratio Bl/√Re	1.35 N/√W
Ratio fs/Qts	1169 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.6 Ω
Maximum impedance [Zo]	16.8 Ω
DC resistance [Re]	2.9 Ω
Voice coil inductance [Le]	0.02 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	100 W
Long-term max power (IEC 17.3)*	- W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	2.2 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.8 kg

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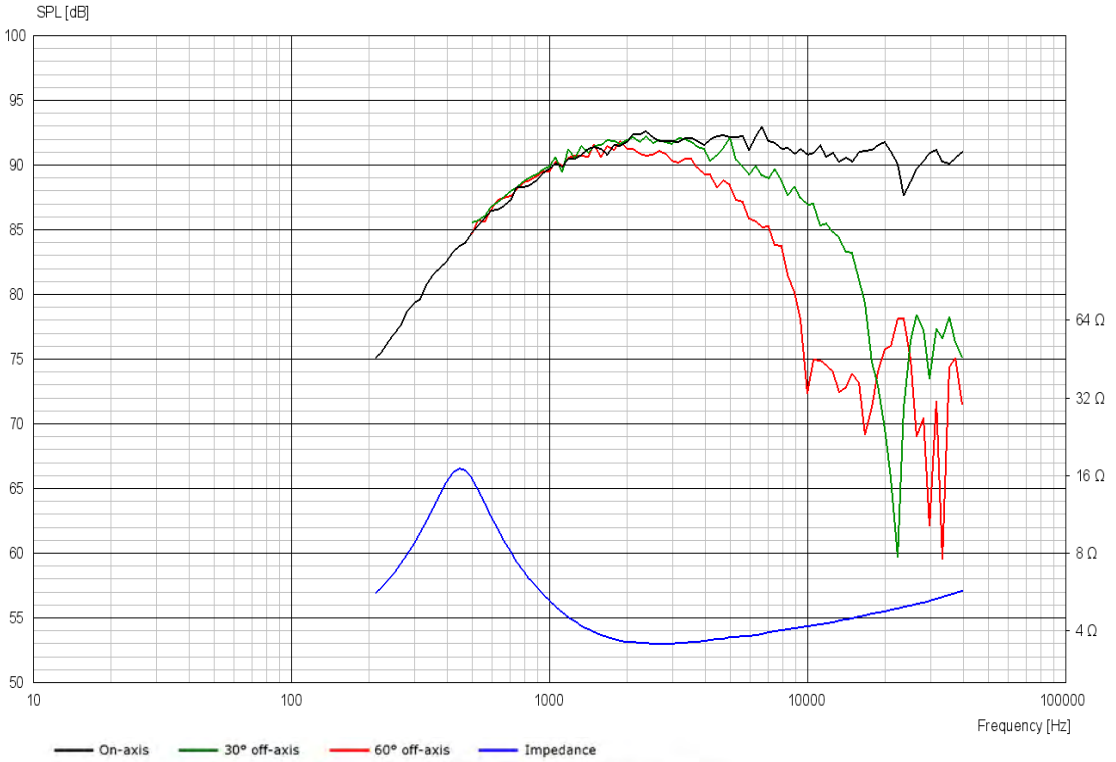
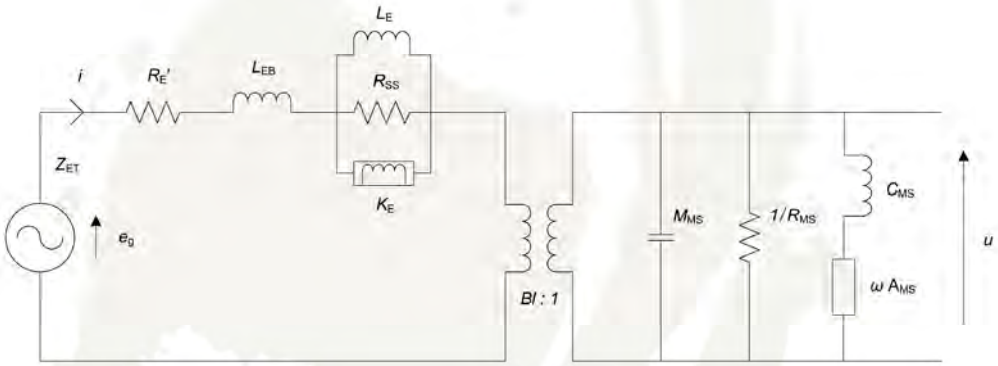
DISCOVERY

TWEETER R2604/833000



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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DISCOVERY

FULLRANGE 5F/8422T01

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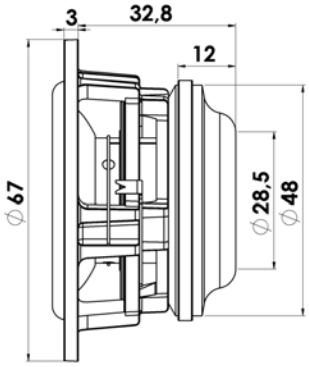

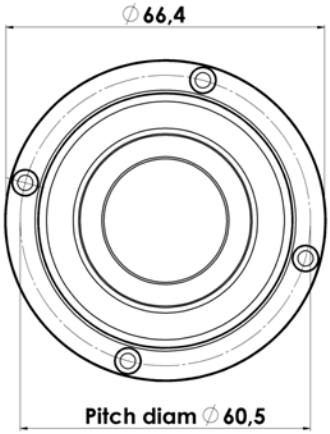

KEY FEATURES:

- Powerful Neo Ring Motor, Symmetric Drive
- 1" Voice Coil, Ti Former, European Soft Parts
- Hard Paper Cone, Foam Surround, Long Excursion
- Large Pole Piece Vent, Low Distortion
- Wide Frequency Range
- Extended Copper Cap on Pole Piece

T-S Parameters	
Resonance frequency [fs]	93 Hz
Mechanical Q factor [Qms]	5.17
Electrical Q factor [Qes]	0.69
Total Q factor [Qts]	0.61
Force factor [Bl]	3.07 Tm
Mechanical resistance [Rms]	0.21 kg/s
Moving mass [Mms]	1.86 g
Compliance [Cms]	1.58 mm/N
Effective diaph. diameter [D]	44 mm
Effective piston area [Sd]	15.2 cm²
Equivalent volume [Vas]	0.50 l
Sensitivity (2.83V/1m)	80 dB
Ratio Bl/√Re	1.27 N/√W
Ratio fs/Qts	152.5 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: August 23. 2013.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.1 Ω
Maximum impedance [Zo]	43.1 Ω
DC resistance [Re]	6.0 Ω
Voice coil inductance [Le]	0.07 mH

Power Handling	
100h RMS noise test (IEC 17.1)	10 W
Long-term max power (IEC 17.3)	20 W

Voice Coil & Magnet Data	
Voice coil diameter	26 mm
Voice coil height	6 mm
Voice coil layers	2
Height of gap	2 mm
Linear excursion	± 2 mm
Max mech. excursion	± 5 mm
Unit weight	0.127 kg

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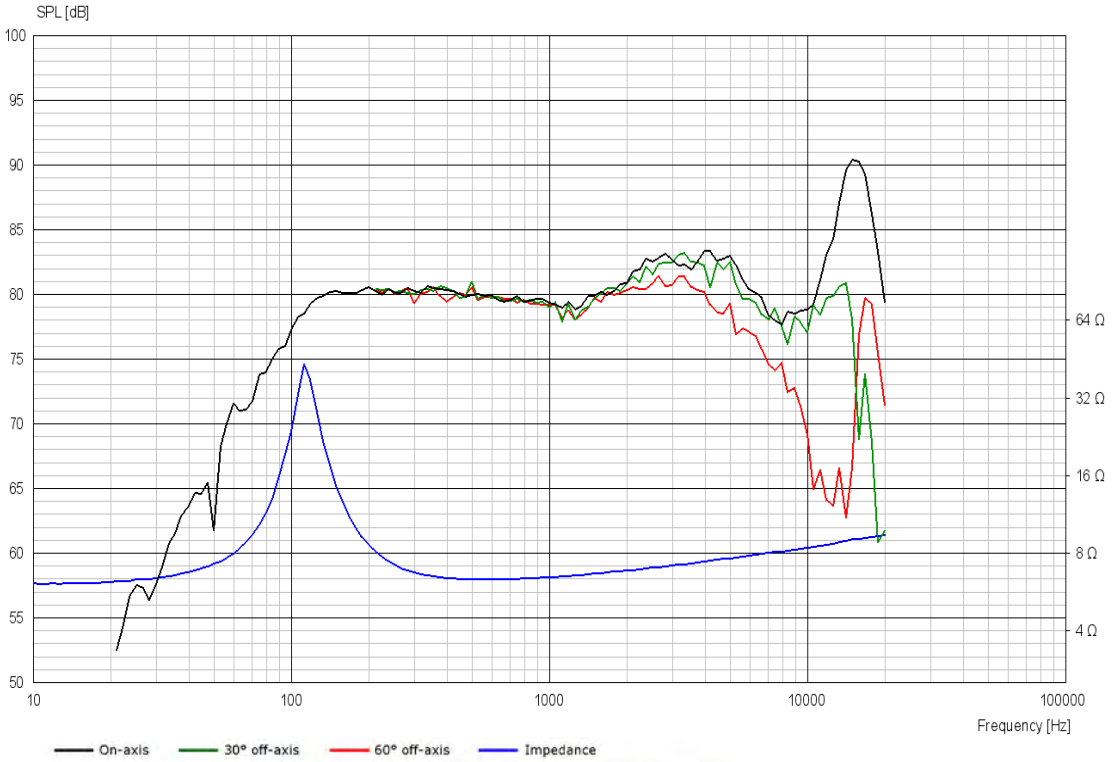
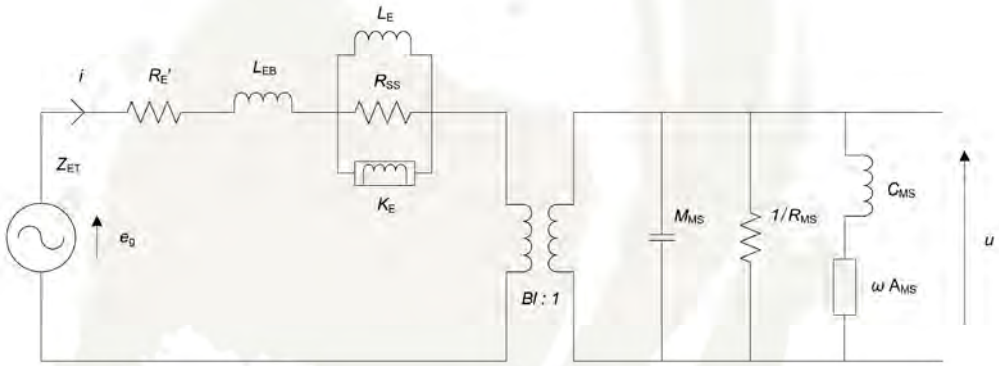
DISCOVERY

FULLRANGE 5F/8422T01



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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DISCOVERY

FULLRANGE 10F/4424G00

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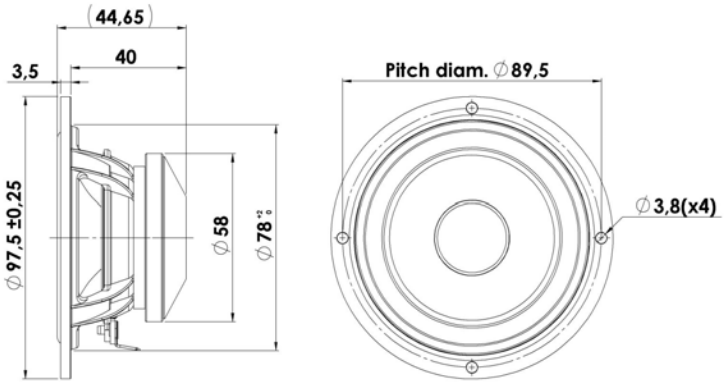

KEY FEATURES:

- Very wide Frequency Range
- Coated NRSC Fibre Glass Cone (patent)
- Compact Size, Neo magnet, Alu. Chassis
- High Sensitivity 90dB / 2,83V
- SBR Rubber Surround
- Copper Cap on Pole Piece

T-S Parameters	
Resonance frequency [fs]	90 Hz
Mechanical Q factor [Qms]	3.2
Electrical Q factor [Qes]	0.32
Total Q factor [Qts]	0.29
Force factor [Bl]	3.9 Tm
Mechanical resistance [Rms]	0.49 kg/s
Moving mass [Mms]	2.8 g
Compliance [Cms]	1.1 mm/N
Effective diaph. diameter [D]	68 mm
Effective piston area [Sd]	36 cm²
Equivalent volume [Vas]	2.0 l
Sensitivity (2.83V/1m)	89.8 dB
Ratio Bl/√Re	2.2 N/√W
Ratio fs/Qts	309 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.8 Ω
Maximum impedance [Zo]	34.5 Ω
DC resistance [Re]	3.2 Ω
Voice coil inductance [Le]	0.1 mH

Power Handling	
100h RMS noise test (IEC 17.1)	15 W
Long-term max power (IEC 17.3)	30 W

Voice Coil & Magnet Data	
Voice coil diameter	20 mm
Voice coil height	9.2 mm
Voice coil layers	2
Height of gap	4 mm
Linear excursion	± 2.6 mm
Max mech. excursion	± 7 mm
Unit weight	0.3 kg

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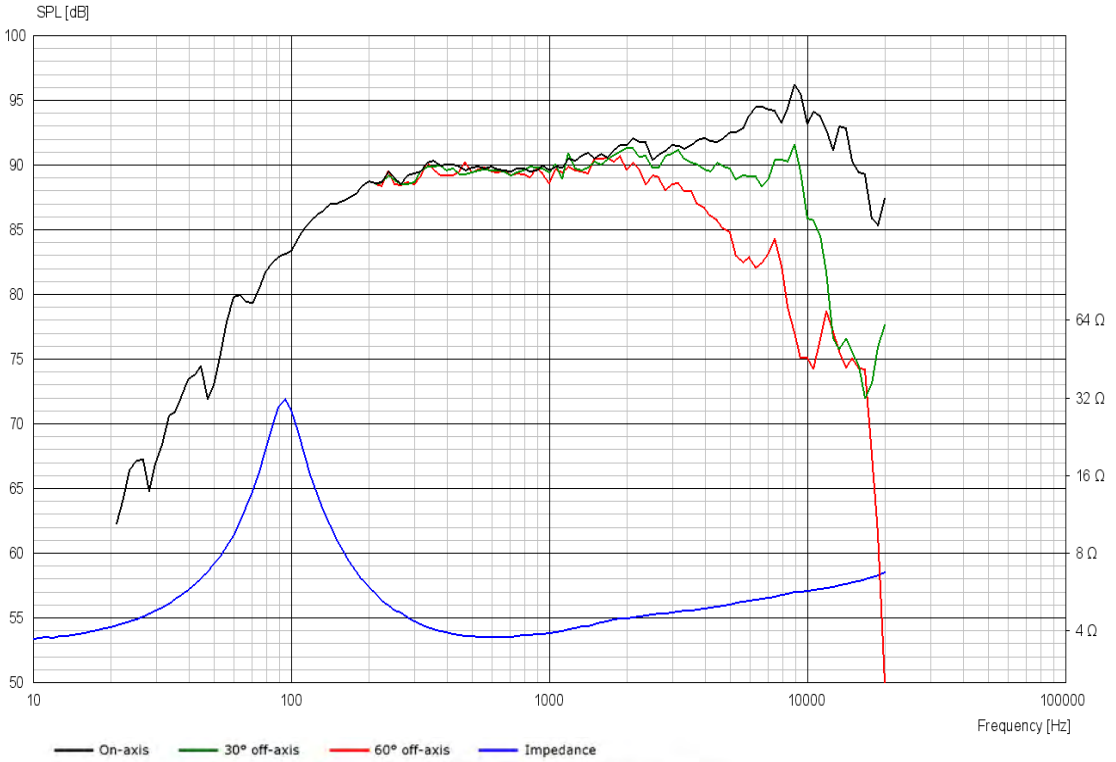
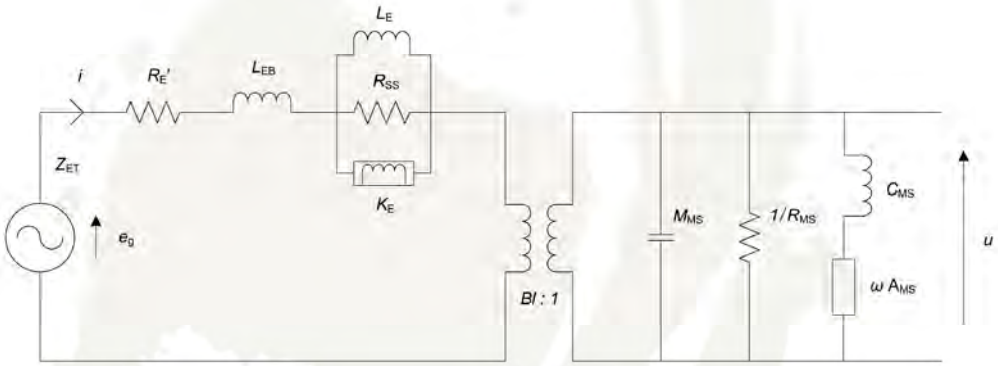
DISCOVERY

FULLRANGE 10F/4424G00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.22 Ω
Free inductance [Leb]	0.020 mH
Bound inductance [Le]	0.22 mH
Semi-inductance [Ke]	0.042 SH
Shunt resistance [Rss]	3 Ω

Mechanical Data	
Force Factor [Bl]	4.10 Tm
Moving mass [Mms]	3.1 g
Compliance [Cms]	0.72 mm/N
Mechanical resistance [Rms]	0.80 kg/s
Admittance [Ams]	0.12 mm/N

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DISCOVERY

FULLRANGE 10F/8414G10

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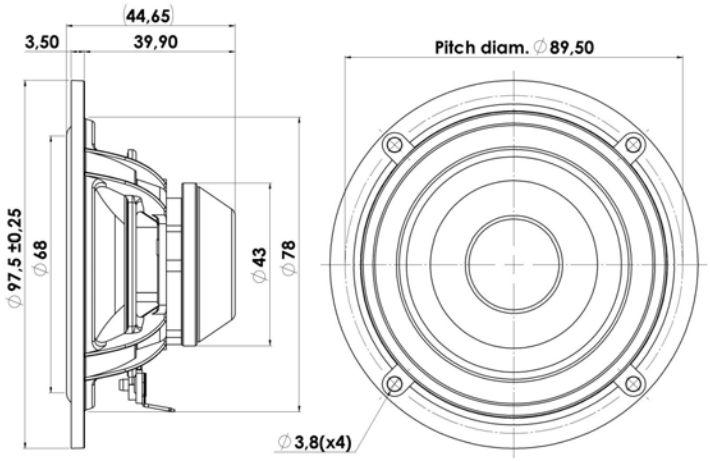

KEY FEATURES:

- Wide Frequency Range
- Compact Neo magnet Motor
- Copper Cap on Pole Piece
- Vented Alu. Chassis, SBR Rubber Surround
- High Sensitivity 86dB/2,83V
- Coated NRSC Fibre Glass Cone (patent)

T-S Parameters	
Resonance frequency [fs]	100 Hz
Mechanical Q factor [Qms]	2.44
Electrical Q factor [Qes]	0.65
Total Q factor [Qts]	0.51
Force factor [Bl]	4.27 Tm
Mechanical resistance [Rms]	0.76 kg/s
Moving mass [Mms]	2.93 g
Compliance [Cms]	0.86 mm/N
Effective diaph. diameter [D]	68 mm
Effective piston area [Sd]	36.3 cm²
Equivalent volume [Vas]	1.57 l
Sensitivity (2.83V/1m)	86 dB
Ratio Bl/√Re	1.71 N/√W
Ratio fs/Qts	196 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: June 7. 2013.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.8 Ω
Maximum impedance [Zo]	28.4 Ω
DC resistance [Re]	6.3 Ω
Voice coil inductance [Le]	0.11 mH

Power Handling	
100h RMS noise test (IEC 17.1)	10 W
Long-term max power (IEC 17.3)	20 W

Voice Coil & Magnet Data	
Voice coil diameter	19.4 mm
Voice coil height	8.7 mm
Voice coil layers	2
Height of gap	4 mm
Linear excursion	± 2.3 mm
Max mech. excursion	± 7.5 mm
Unit weight	0.16 kg

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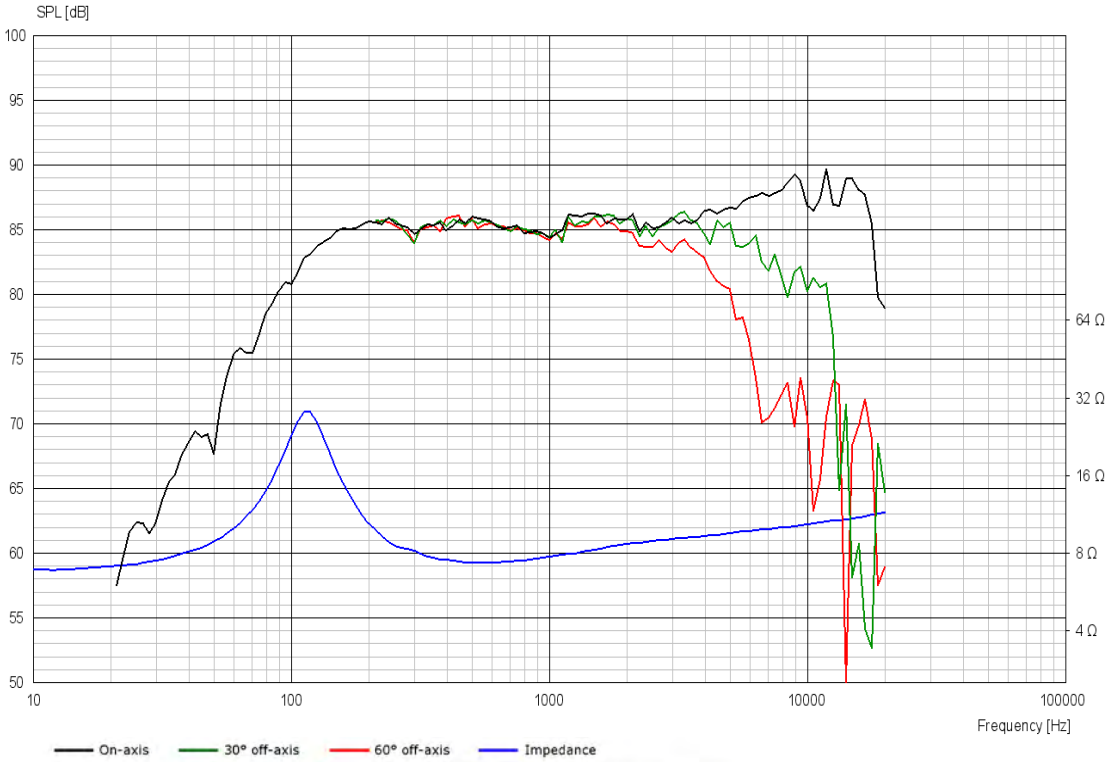
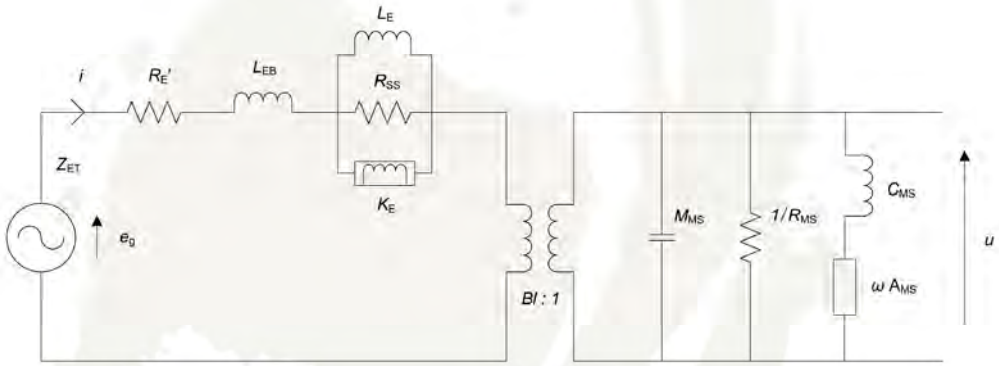
DISCOVERY

FULLRANGE 10F/8414G10



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	6.40 Ω
Free inductance [Leb]	0.029 mH
Bound inductance [Le]	0.57 mH
Semi-inductance [Ke]	0.062 SH
Shunt resistance [Rss]	4 Ω

Mechanical Data	
Force Factor [Bl]	4.29 Tm
Moving mass [Mms]	2.8 g
Compliance [Cms]	0.72 mm/N
Mechanical resistance [Rms]	0.84 kg/s
Admittance [Ams]	0.11 mm/N

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DISCOVERY

FULLRANGE 10F/8424G00

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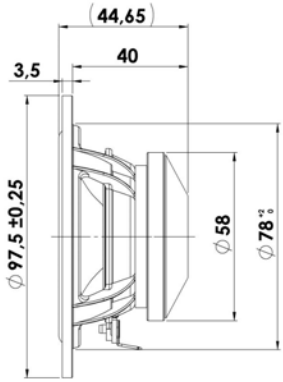

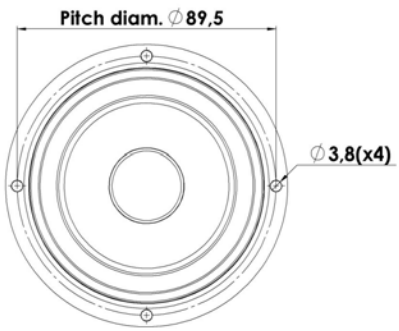

KEY FEATURES:

- Very wide Frequency Range
- Coated NRSC Fibre Glass Cone (patent)
- Compact Size, Neo magnet, Alu. Chassis
- High Sensitivity 87dB / 2,83V
- SBR Rubber Surround
- Copper Cap on Pole Piece

T-S Parameters	
Resonance frequency [fs]	90 Hz
Mechanical Q factor [Qms]	3.49
Electrical Q factor [Qes]	0.41
Total Q factor [Qts]	0.37
Force factor [Bl]	4.8 Tm
Mechanical resistance [Rms]	0.45 kg/s
Moving mass [Mms]	2.77 g
Compliance [Cms]	1.13 mm/N
Effective diaph. diameter [D]	68 mm
Effective piston area [Sd]	36 cm²
Equivalent volume [Vas]	2.1 l
Sensitivity (2.83V/1m)	86.6 dB
Ratio Bl/√Re	1.99 N/√W
Ratio fs/Qts	245 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.5 Ω
Maximum impedance [Zo]	55.2 Ω
DC resistance [Re]	5.8 Ω
Voice coil inductance [Le]	0.13 mH

Power Handling	
100h RMS noise test (IEC 17.1)	15 W
Long-term max power (IEC 17.3)	30 W

Voice Coil & Magnet Data	
Voice coil diameter	20 mm
Voice coil height	9.2 mm
Voice coil layers	2
Height of gap	4 mm
Linear excursion	± 2.6 mm
Max mech. excursion	± 7 mm
Unit weight	0.3 kg

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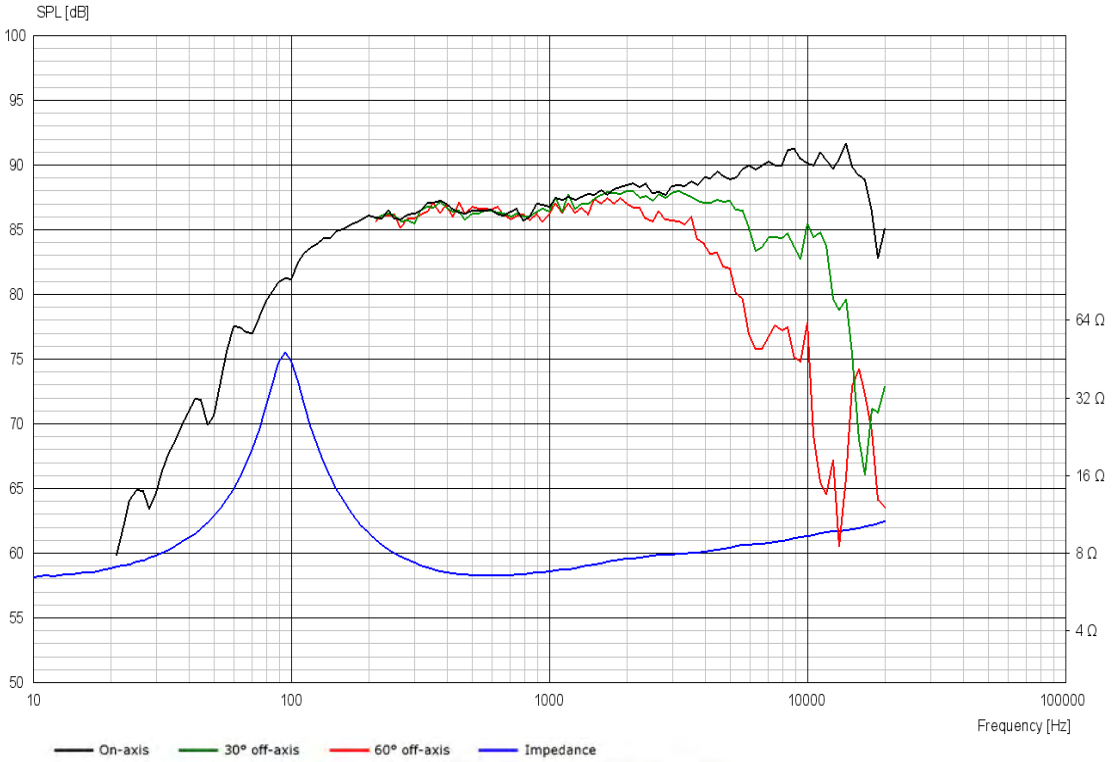
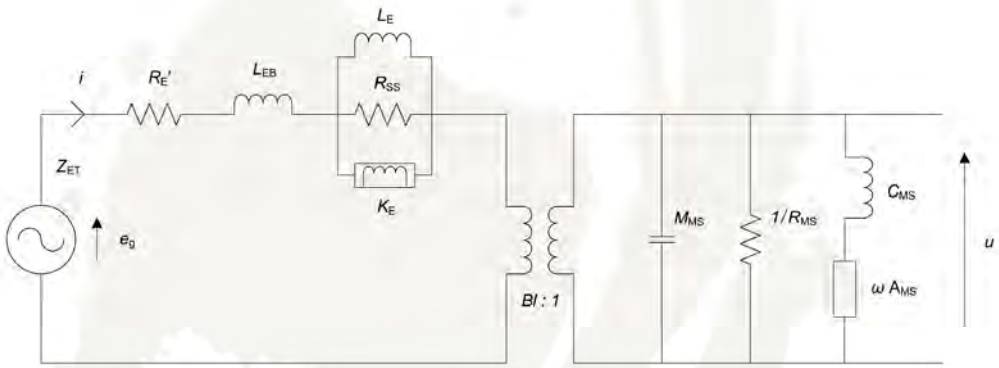
DISCOVERY

FULLRANGE 10F/8424G00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	5.78 Ω
Free inductance [Leb]	0.029 mH
Bound inductance [Le]	0.35 mH
Semi-inductance [Ke]	0.045 SH
Shunt resistance [Rss]	4 Ω

Mechanical Data	
Force Factor [Bl]	4.75 Tm
Moving mass [Mms]	3.2 g
Compliance [Cms]	0.66 mm/N
Mechanical resistance [Rms]	0.56 kg/s
Admittance [Ams]	0.08 mm/N

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DISCOVERY

MIDRANGE D7608/920000

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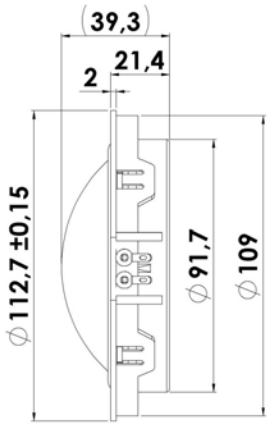

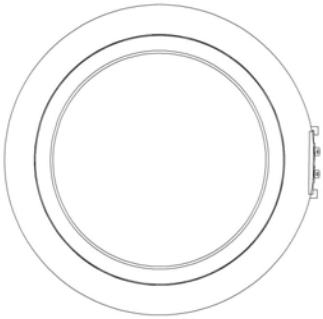

KEY FEATURES:

- Fast action due to low moving mass
- High SPL Output 92dB
- Internal Ferrite Magnet
- Wide Dispersion
- Vented / open rearside
- Internal grill to prevent dome from being pushed in

T-S Parameters	
Resonance frequency [fs]	300 Hz
Mechanical Q factor [Qms]	7.75
Electrical Q factor [Qes]	2.22
Total Q factor [Qts]	1.73
Force factor [Bl]	4.7 Tm
Mechanical resistance [Rms]	0.80 kg/s
Moving mass [Mms]	3.3 g
Compliance [Cms]	0.09 mm/N
Effective diaph. diameter [D]	84 mm
Effective piston area [Sd]	55 cm²
Equivalent volume [Vas]	0.36 l
Sensitivity (2.83V/1m)	92 dB
Ratio Bl/√Re	1.97 N/√W
Ratio fs/Qts	174 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.2 Ω
Maximum impedance [Zo]	25.6 Ω
DC resistance [Re]	5.7 Ω
Voice coil inductance [Le]	0.13 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	80 W
Long-term max power (IEC 17.3)*	- W

*Filter: 2. order HP Butterworth, 500 Hz

Voice Coil & Magnet Data	
Voice coil diameter	76 mm
Voice coil height	2.9 mm
Voice coil layers	2
Height of gap	2 mm
Linear excursion	± 0.4 mm
Max mech. excursion	± 1.5 mm
Unit weight	0.6 kg

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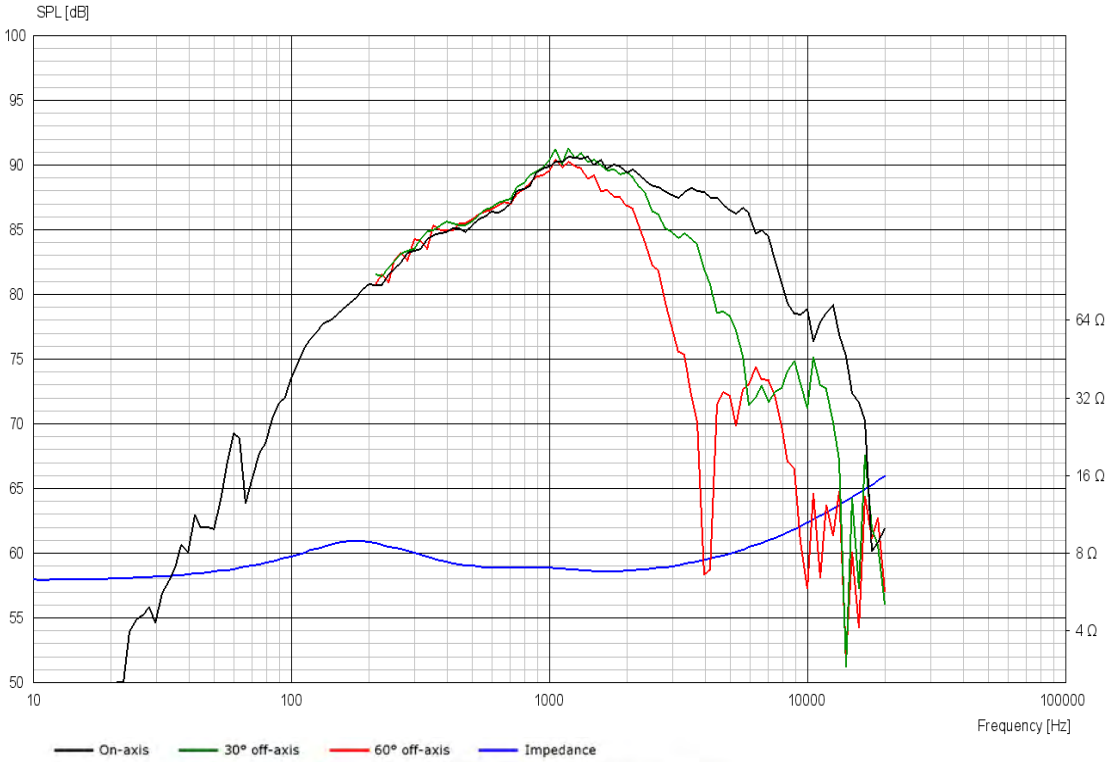
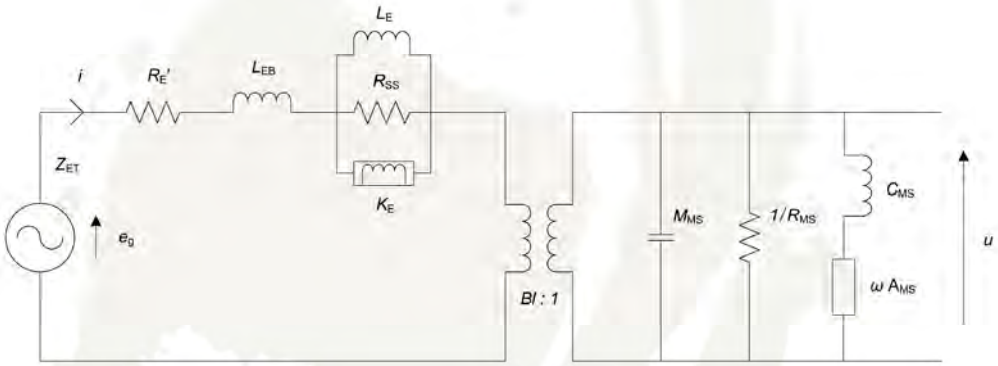
DISCOVERY

MIDRANGE D7608/920000



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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DISCOVERY

MIDRANGE D7608/920010

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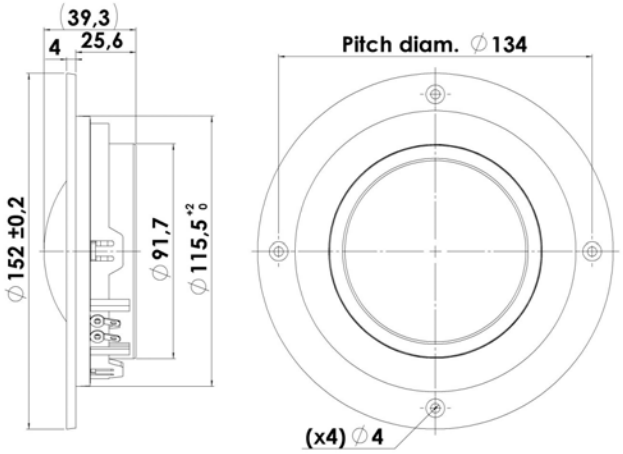

KEY FEATURES:

- Fast action due to low moving mass
- High SPL Output 92dB
- Internal Ferrite Magnet
- Wide Dispersion
- Vented / open rearside
- Internal grill to prevent dome from being pushed in

T-S Parameters	
Resonance frequency [fs]	300 Hz
Mechanical Q factor [Qms]	7.75
Electrical Q factor [Qes]	2.22
Total Q factor [Qts]	1.73
Force factor [Bl]	4.7 Tm
Mechanical resistance [Rms]	0.80 kg/s
Moving mass [Mms]	3.3 g
Compliance [Cms]	0.09 mm/N
Effective diaph. diameter [D]	84 mm
Effective piston area [Sd]	55 cm²
Equivalent volume [Vas]	0.36 l
Sensitivity (2.83V/1m)	92 dB
Ratio Bl/√Re	1.97 N/√W
Ratio fs/Qts	174 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.2 Ω
Maximum impedance [Zo]	25.6 Ω
DC resistance [Re]	5.7 Ω
Voice coil inductance [Le]	0.13 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	80 W
Long-term max power (IEC 17.3)*	- W

*Filter: 2. order HP Butterworth, 500 Hz

Voice Coil & Magnet Data	
Voice coil diameter	76 mm
Voice coil height	2.9 mm
Voice coil layers	2
Height of gap	2 mm
Linear excursion	± 0.4 mm
Max mech. excursion	± 1.5 mm
Unit weight	0.6 kg

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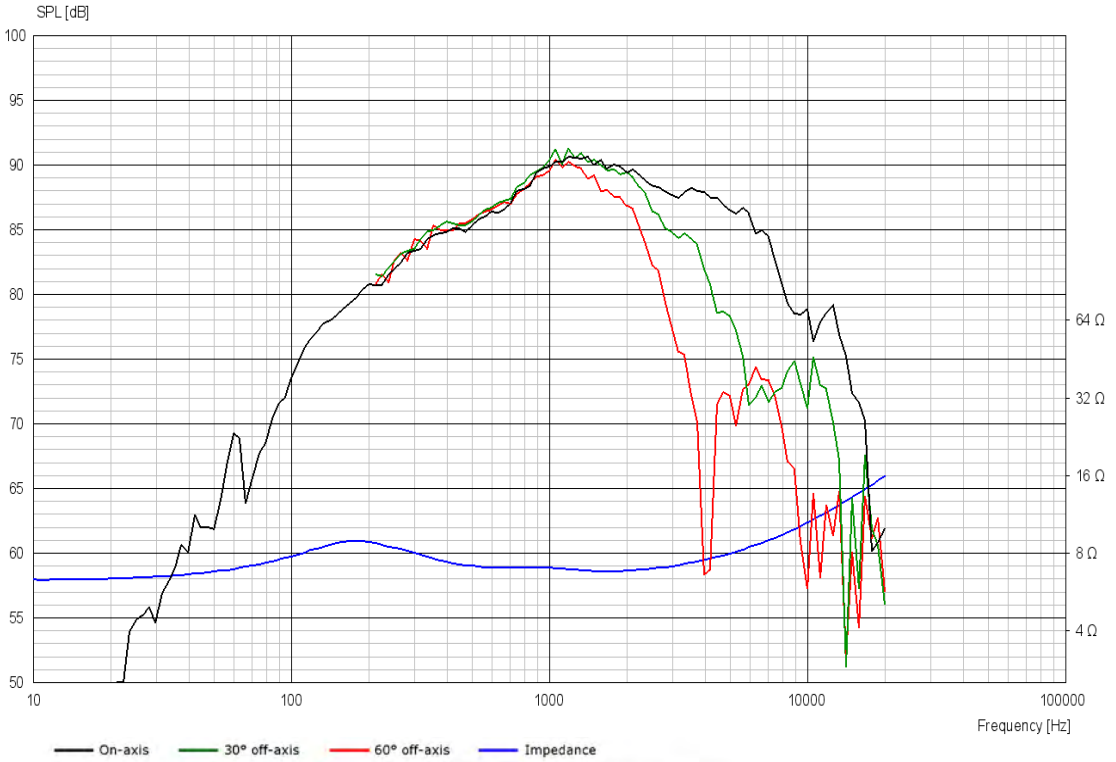
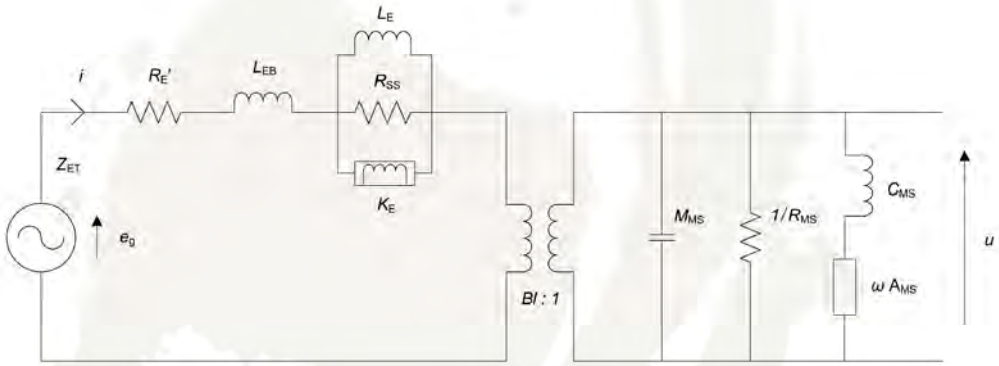
DISCOVERY

MIDRANGE D7608/920010



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N

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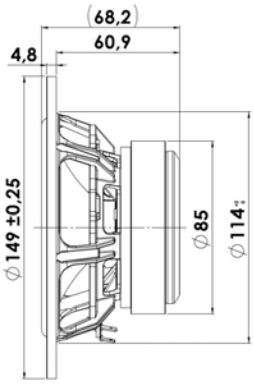
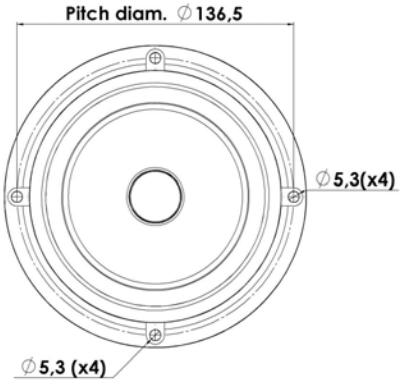
DISCOVERY

MIDRANGE 15M/4624G00

The Discovery series offer traditional design, superior sound, a solid construction, and a wide range of variants. Combining these elements - plus a wealth of technical features and finesses - it gives our customers the possibility of acquiring a tailor-made Scan-Speak solution with very good performance at a reasonable low price point!





KEY FEATURES:

- High Output 92,5dB @ 2,83V
- Coated NRSC Fibre Glass Cone
- Die cast Alu Chassis vented below spider
- Phase Plug for Improved Phase Linearity
- Very Low Damping Foam Surround (Coated)
- Magnet System w. Alu Ring

T-S Parameters	
Resonance frequency [fs]	100 Hz
Mechanical Q factor [Qms]	5.62
Electrical Q factor [Qes]	0.47
Total Q factor [Qts]	0.43
Force factor [Bl]	5.3 Tm
Mechanical resistance [Rms]	0.69 kg/s
Moving mass [Mms]	6.2 g
Compliance [Cms]	0.41 mm/N
Effective diaph. diameter [D]	101 mm
Effective piston area [Sd]	80 cm²
Equivalent volume [Vas]	3.7 l
Sensitivity (2.83V/1m)	92.4 dB
Ratio Bl/√Re	2.96 N/√W
Ratio fs/Qts	231 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.1 Ω
Maximum impedance [Zo]	41.5 Ω
DC resistance [Re]	3.2 Ω
Voice coil inductance [Le]	0.23 mH

Power Handling	
100h RMS noise test (IEC 17.1)*	75 W
Long-term max power (IEC 17.3)*	180 W

*Filter: 2. order HP Butterworth, 200 Hz

Voice Coil & Magnet Data	
Voice coil diameter	25 mm
Voice coil height	8 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 1.5 mm
Max mech. excursion	± 8 mm
Unit weight	1 kg

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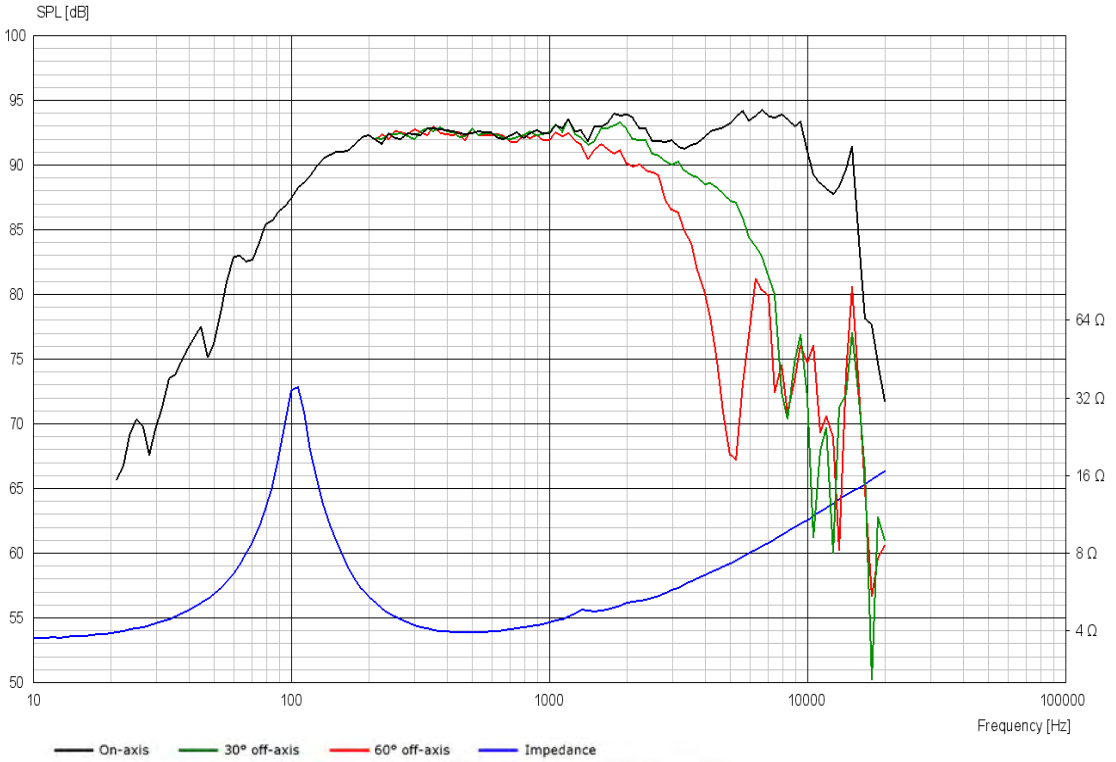
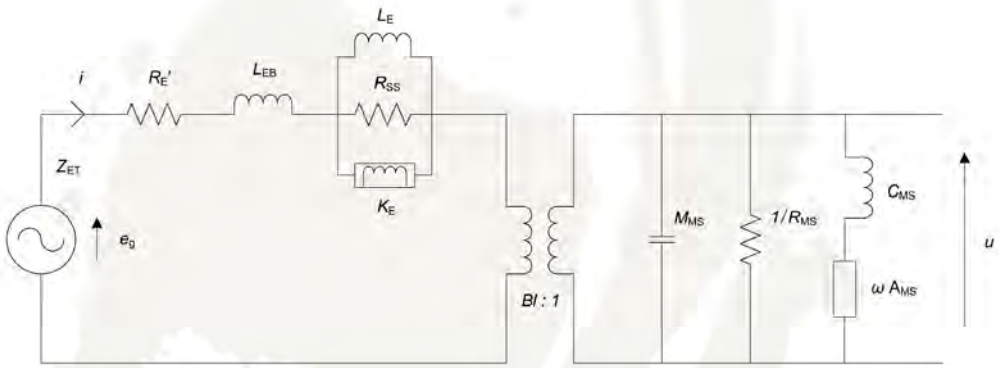
DISCOVERY

MIDRANGE 15M/4624G00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.16 Ω
Free inductance [Leb]	0.067 mH
Bound inductance [Le]	0.50 mH
Semi-inductance [Ke]	0.026 SH
Shunt resistance [Rss]	82 Ω

Mechanical Data	
Force Factor [Bl]	5.08 Tm
Moving mass [Mms]	6.4 g
Compliance [Cms]	0.66 mm/N
Mechanical resistance [Rms]	0.50 kg/s
Admittance [Ams]	0.07 mm/N

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DISCOVERY

MIDWOOFER 12W/4524G00

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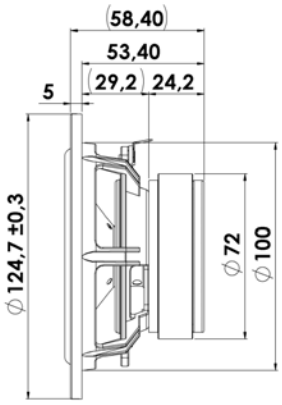

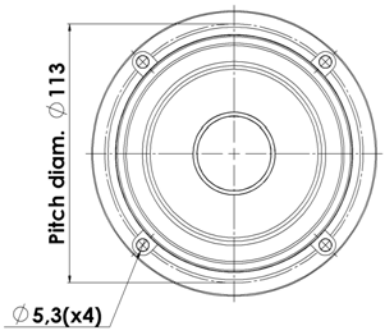

KEY FEATURES:

- Wide Operating Frequency Range
- Coated NRSC Fibre Glass Cone (patent)
- Die cast Alu Chassis vented below spider
- Suitable for 2-way or 3-way (as midrange)
- Low Damping SBR Rubber Surround

T-S Parameters	
Resonance frequency [fs]	50 Hz
Mechanical Q factor [Qms]	3.35
Electrical Q factor [Qes]	0.30
Total Q factor [Qts]	0.27
Force factor [Bl]	4.4 Tm
Mechanical resistance [Rms]	0.57 kg/s
Moving mass [Mms]	6.1 g
Compliance [Cms]	1.67 mm/N
Effective diaph. diameter [D]	86 mm
Effective piston area [Sd]	59 cm²
Equivalent volume [Vas]	8.2 l
Sensitivity (2.83V/1m)	88.8 dB
Ratio Bl/√Re	2.50 N/√W
Ratio fs/Qts	185 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.9 Ω
Maximum impedance [Zo]	30.8 Ω
DC resistance [Re]	3.1 Ω
Voice coil inductance [Le]	0.4 mH

Power Handling	
100h RMS noise test (IEC 17.1)	40 W
Long-term max power (IEC 17.3)	70 W

Voice Coil & Magnet Data	
Voice coil diameter	25 mm
Voice coil height	10 mm
Voice coil layers	2
Height of gap	4 mm
Linear excursion	± 3 mm
Max mech. excursion	± 9 mm
Unit weight	1 kg

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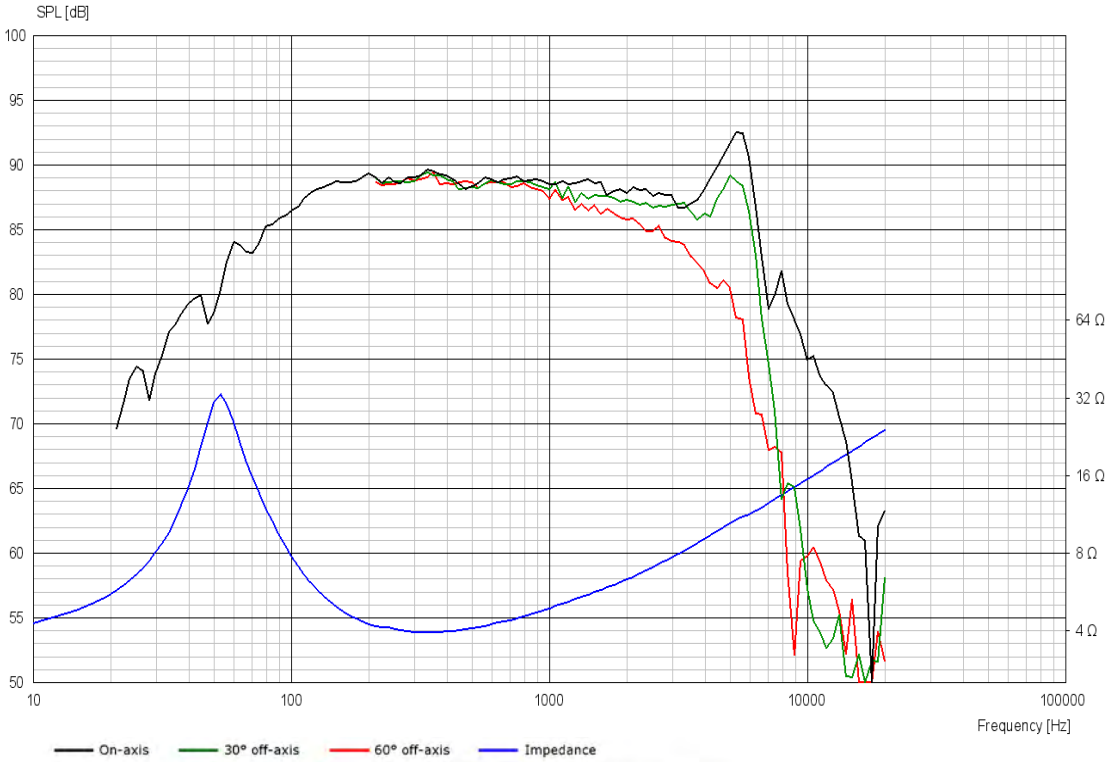
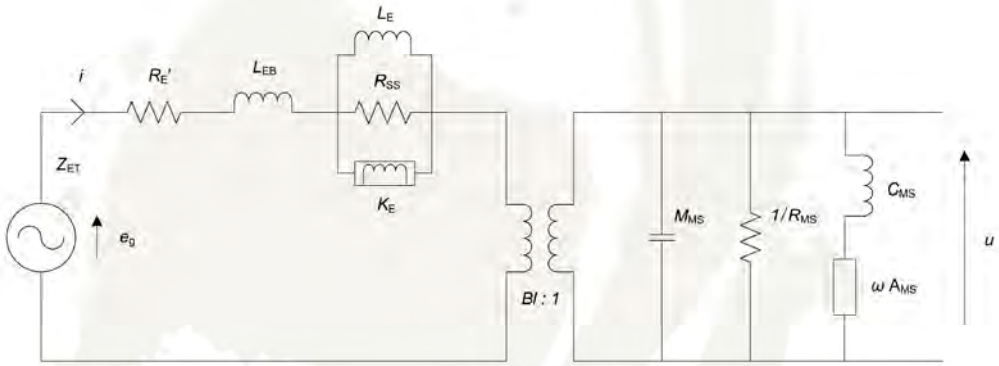
DISCOVERY

MIDWOOFER 12W/4524G00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.17 Ω
Free inductance [Leb]	0.056 mH
Bound inductance [Le]	0.60 mH
Semi-inductance [Ke]	0.058 SH
Shunt resistance [Rss]	211 Ω

Mechanical Data	
Force Factor [Bl]	4.36 Tm
Moving mass [Mms]	6.2 g
Compliance [Cms]	1.02 mm/N
Mechanical resistance [Rms]	0.77 kg/s
Admittance [Ams]	0.16 mm/N

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DISCOVERY

MIDWOOFER 12W/8524G00

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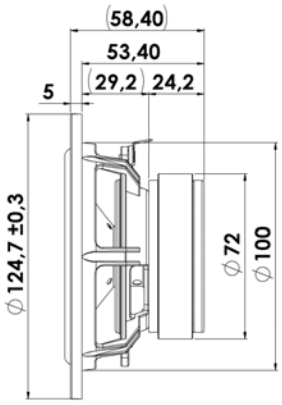

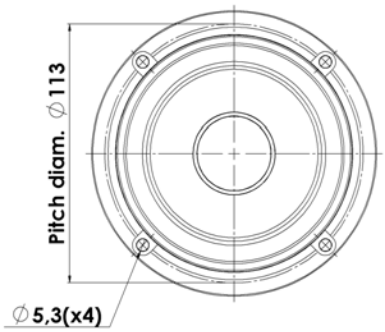

KEY FEATURES:

- Wide Operating Frequency Range
- Coated NRSC Fibre Glass Cone (patent)
- Die cast Alu Chassis vented below spider
- Suitable for 2-way or 3-way (as midrange)
- Low Damping SBR Rubber Surround

T-S Parameters	
Resonance frequency [fs]	52 Hz
Mechanical Q factor [Qms]	3.42
Electrical Q factor [Qes]	0.35
Total Q factor [Qts]	0.32
Force factor [Bl]	5.4 Tm
Mechanical resistance [Rms]	0.54 kg/s
Moving mass [Mms]	5.6 g
Compliance [Cms]	1.67 mm/N
Effective diaph. diameter [D]	86 mm
Effective piston area [Sd]	59 cm²
Equivalent volume [Vas]	8.2 l
Sensitivity (2.83V/1m)	85.8 dB
Ratio Bl/√Re	2.28 N/√W
Ratio fs/Qts	163 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.6 Ω
Maximum impedance [Zo]	48.2 Ω
DC resistance [Re]	5.7 Ω
Voice coil inductance [Le]	0.6 mH

Power Handling	
100h RMS noise test (IEC 17.1)	40 W
Long-term max power (IEC 17.3)	70 W

Voice Coil & Magnet Data	
Voice coil diameter	25 mm
Voice coil height	10 mm
Voice coil layers	2
Height of gap	4 mm
Linear excursion	± 3 mm
Max mech. excursion	± 9 mm
Unit weight	1 kg

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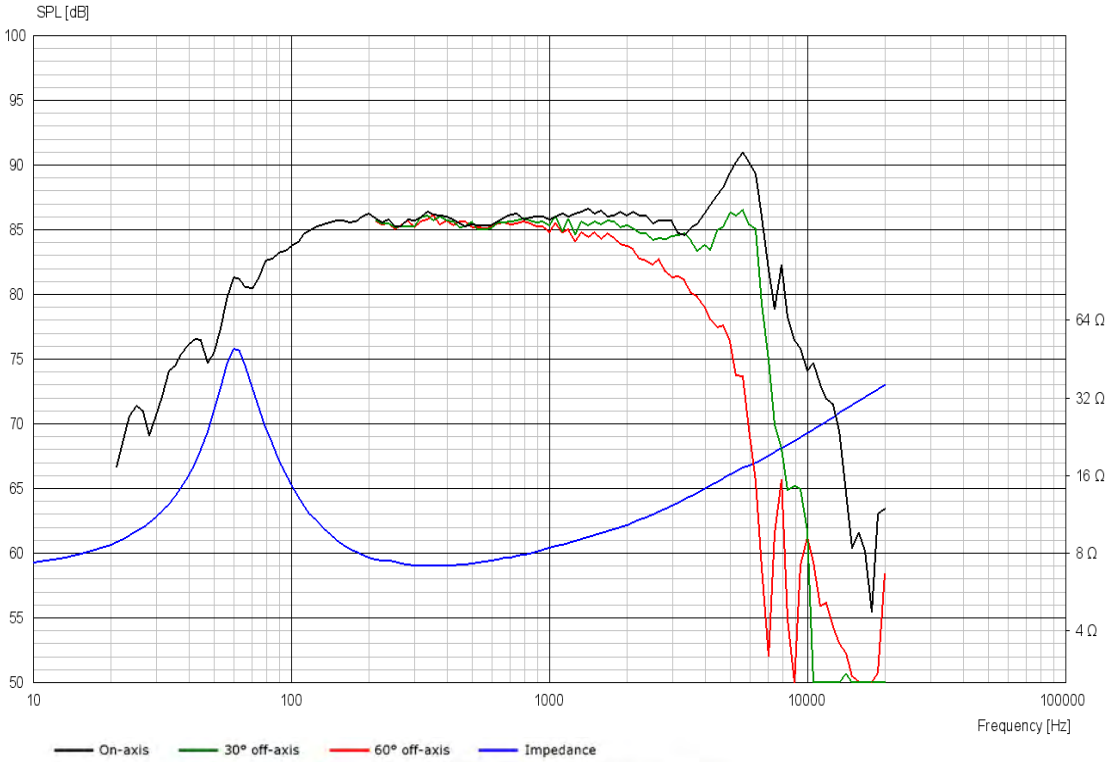
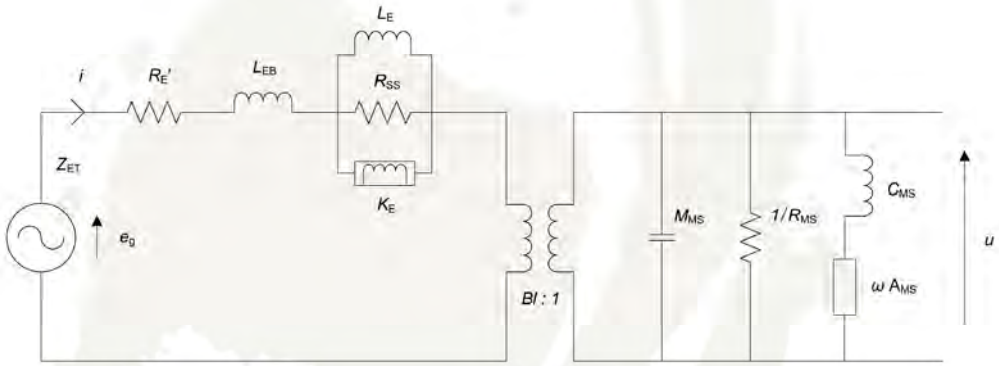
DISCOVERY

MIDWOOFER 12W/8524G00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	5.78 Ω
Free inductance [Leb]	0.093 mH
Bound inductance [Le]	0.92 mH
Semi-inductance [Ke]	0.086 SH
Shunt resistance [Rss]	205 Ω

Mechanical Data	
Force Factor [Bl]	5.43 Tm
Moving mass [Mms]	6.0 g
Compliance [Cms]	0.95 mm/N
Mechanical resistance [Rms]	0.76 kg/s
Admittance [Ams]	0.15 mm/N

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DISCOVERY

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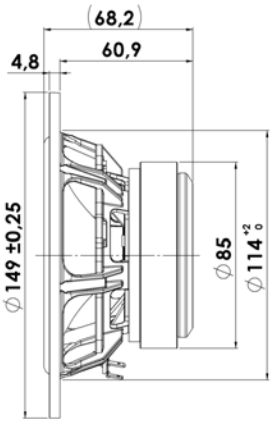

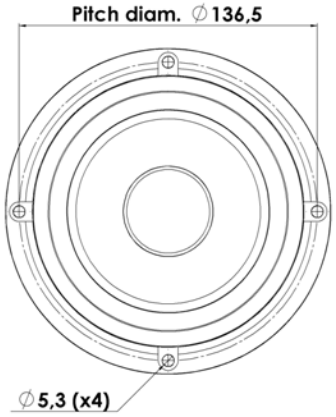

KEY FEATURES:

- High Output 90,5dB @ 2,83V
- Coated NRSC Fibre Glass Cone
- Die cast Alu Chassis vented below spider
- Excellent Midrange Performance
- Low Damping SBR Rubber Surround

T-S Parameters	
Resonance frequency [fs]	44 Hz
Mechanical Q factor [Qms]	3.73
Electrical Q factor [Qes]	0.22
Total Q factor [Qts]	0.21
Force factor [Bl]	5.4 Tm
Mechanical resistance [Rms]	0.60 kg/s
Moving mass [Mms]	8.1 g
Compliance [Cms]	1.62 mm/N
Effective diaph. diameter [D]	101 mm
Effective piston area [Sd]	80 cm²
Equivalent volume [Vas]	14.5 l
Sensitivity (2.83V/1m)	90.6 dB
Ratio Bl/√Re	3.17 N/√W
Ratio fs/Qts	212 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.1 Ω
Maximum impedance [Zo]	52.1 Ω
DC resistance [Re]	2.9 Ω
Voice coil inductance [Le]	0.4 mH

Power Handling	
100h RMS noise test (IEC 17.1)	60 W
Long-term max power (IEC 17.3)	120 W

Voice Coil & Magnet Data	
Voice coil diameter	25 mm
Voice coil height	10.5 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 2.8 mm
Max mech. excursion	± 8 mm
Unit weight	1 kg

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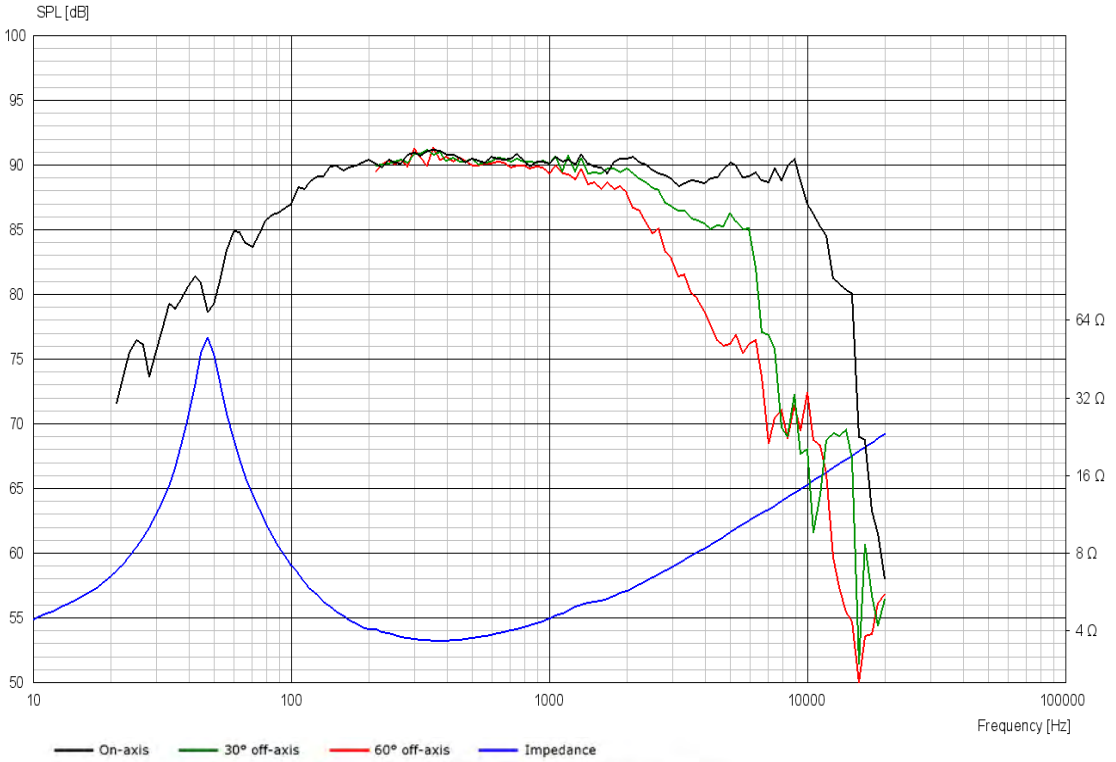
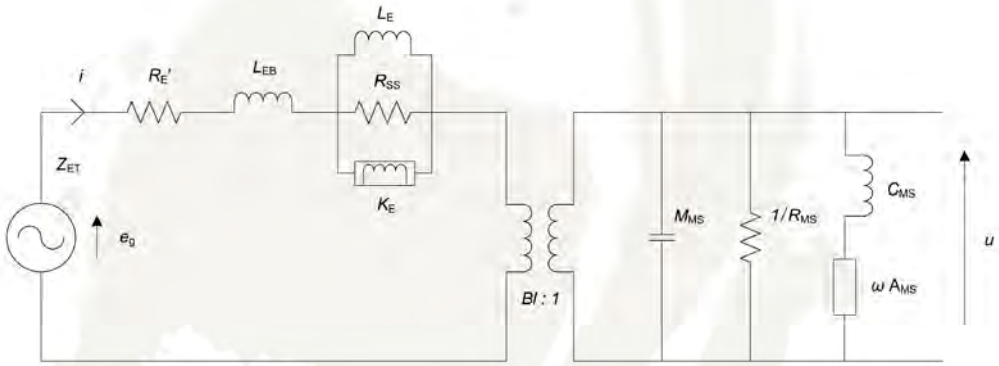


Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.14 Ω
Free inductance [Leb]	0.047 mH
Bound inductance [Le]	0.63 mH
Semi-inductance [Ke]	0.062 SH
Shunt resistance [Rss]	218 Ω

Mechanical Data	
Force Factor [Bl]	5.24 Tm
Moving mass [Mms]	8.3 g
Compliance [Cms]	1.19 mm/N
Mechanical resistance [Rms]	0.80 kg/s
Admittance [Ams]	0.19 mm/N

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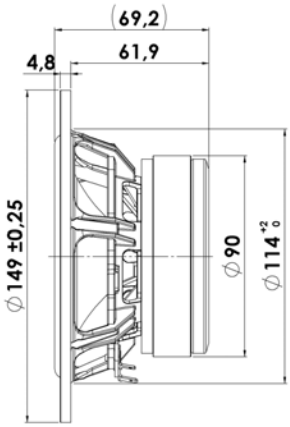

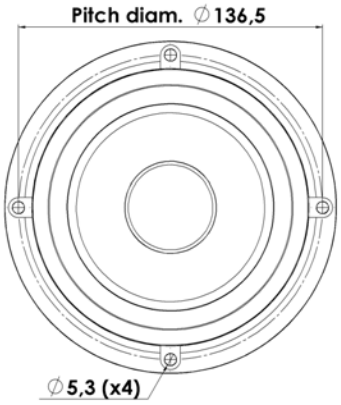

KEY FEATURES:

- High Output 90dB @ 2,83V
- Magnet System w. Alu Ring
- Die cast Alu Chassis vented below spider
- Coated NRSC Fibre Glass Cone
- Low Damping SBR Rubber Surround

T-S Parameters	
Resonance frequency [fs]	43 Hz
Mechanical Q factor [Qms]	3.69
Electrical Q factor [Qes]	0.22
Total Q factor [Qts]	0.21
Force factor [Bl]	5.9 Tm
Mechanical resistance [Rms]	0.70 kg/s
Moving mass [Mms]	9.6 g
Compliance [Cms]	1.43 mm/N
Effective diaph. diameter [D]	101 mm
Effective piston area [Sd]	80 cm²
Equivalent volume [Vas]	12.8 l
Sensitivity (2.83V/1m)	89.7 dB
Ratio Bl/√Re	3.41 N/√W
Ratio fs/Qts	207 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.1 Ω
Maximum impedance [Zo]	53.3 Ω
DC resistance [Re]	3 Ω
Voice coil inductance [Le]	0.5 mH

Power Handling	
100h RMS noise test (IEC 17.1)	60 W
Long-term max power (IEC 17.3)	120 W

Voice Coil & Magnet Data	
Voice coil diameter	32 mm
Voice coil height	13.6 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 4.3 mm
Max mech. excursion	± 8 mm
Unit weight	1.2 kg

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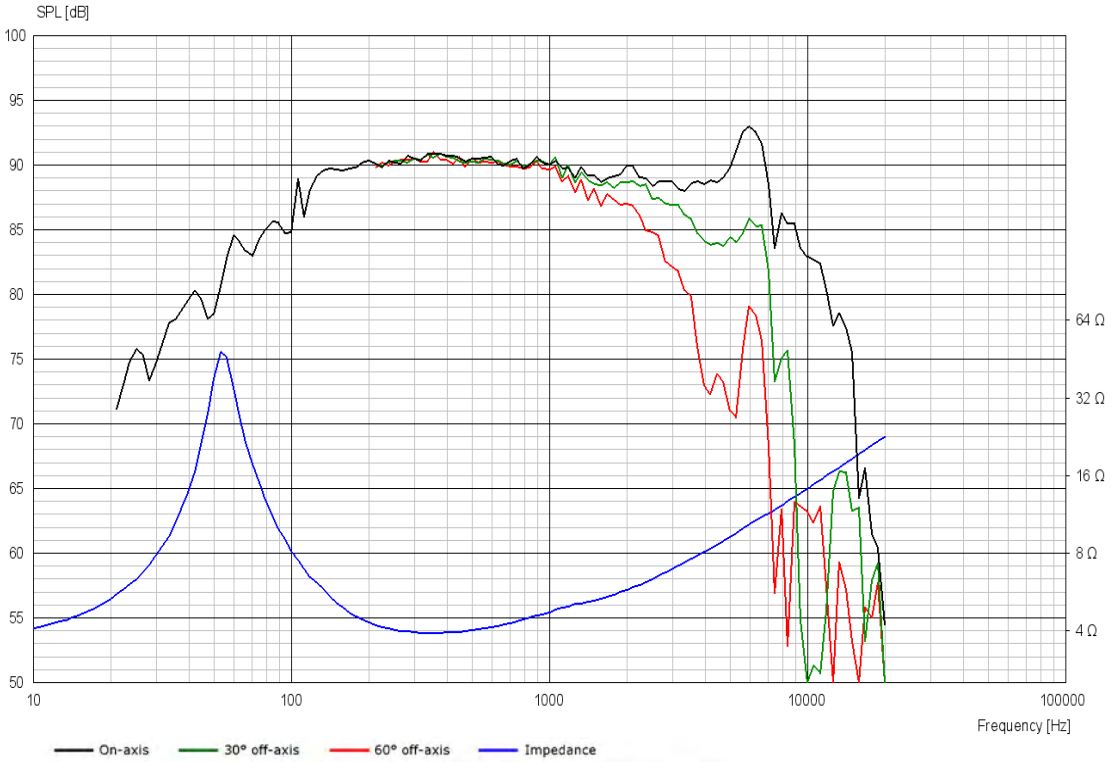
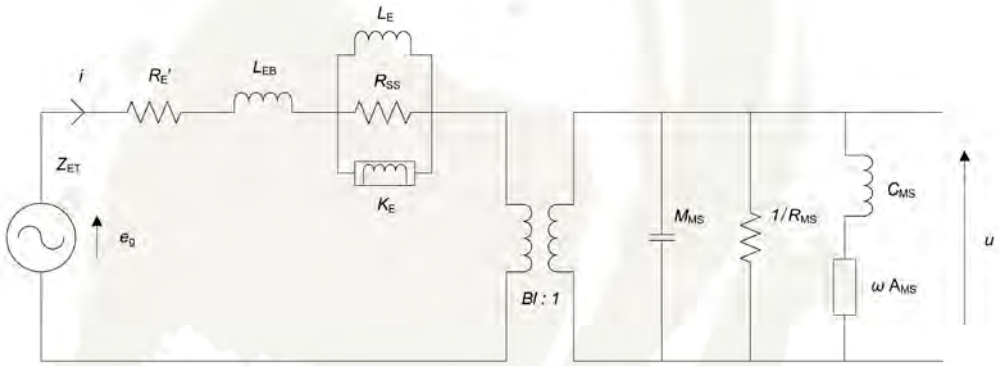


Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.09 Ω
Free inductance [Leb]	0.089 mH
Bound inductance [Le]	0.63 mH
Semi-inductance [Ke]	0.041 SH
Shunt resistance [Rss]	239 Ω

Mechanical Data	
Force Factor [Bl]	5.69 Tm
Moving mass [Mms]	10.4 g
Compliance [Cms]	1.10 mm/N
Mechanical resistance [Rms]	0.98 kg/s
Admittance [Ams]	0.18 mm/N

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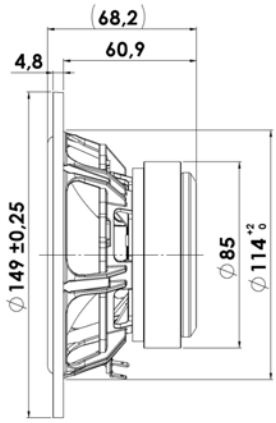

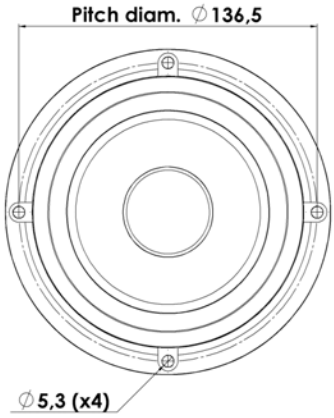

KEY FEATURES:

- Excellent Midrange Performance
- Low Damping SBR Rubber Surround
- Coated NRSC Fibre Glass Cone
- Die cast Alu Chassis vented below spider

T-S Parameters	
Resonance frequency [fs]	46 Hz
Mechanical Q factor [Qms]	3.60
Electrical Q factor [Qes]	0.27
Total Q factor [Qts]	0.25
Force factor [Bl]	6.6 Tm
Mechanical resistance [Rms]	0.60 kg/s
Moving mass [Mms]	7.54 g
Compliance [Cms]	1.62 mm/N
Effective diaph. diameter [D]	101 mm
Effective piston area [Sd]	80 cm²
Equivalent volume [Vas]	14.5 l
Sensitivity (2.83V/1m)	87.7 dB
Ratio Bl/√Re	2.81 N/√W
Ratio fs/Qts	182 Hz

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.6 Ω
Maximum impedance [Zo]	78.8 Ω
DC resistance [Re]	5.5 Ω
Voice coil inductance [Le]	0.5 mH

Power Handling	
100h RMS noise test (IEC 17.1)	60 W
Long-term max power (IEC 17.3)	120 W

Voice Coil & Magnet Data	
Voice coil diameter	25 mm
Voice coil height	10.2 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 2.6 mm
Max mech. excursion	± 8 mm
Unit weight	1 kg

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

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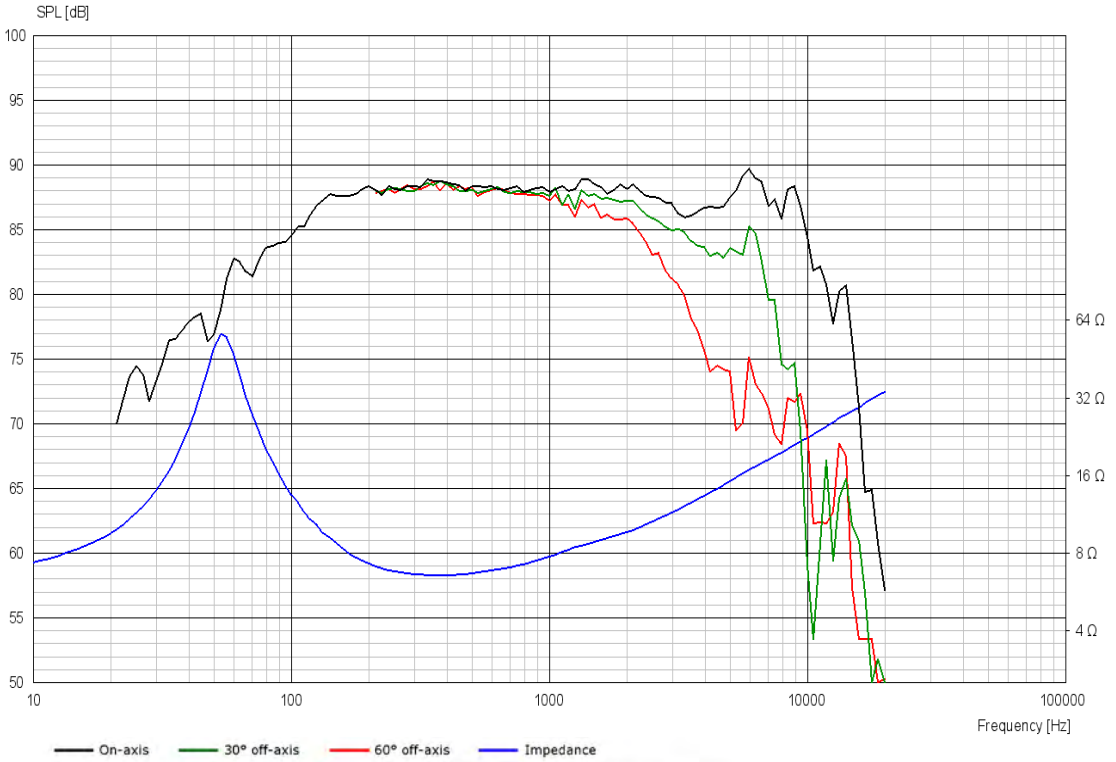
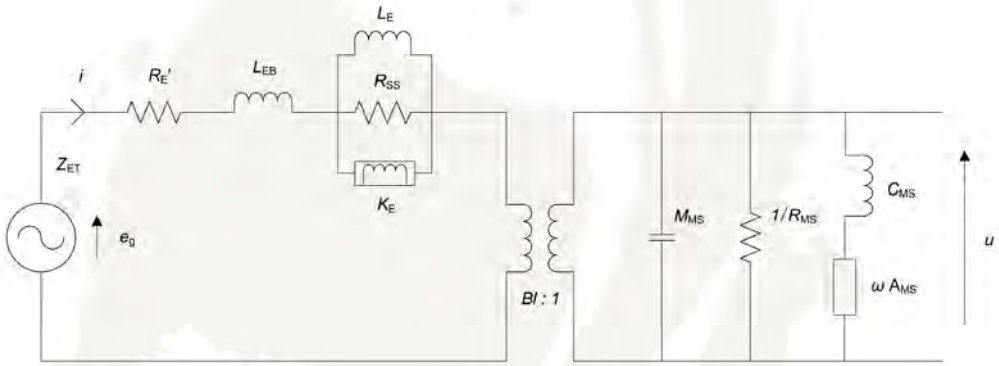


Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	5.57 Ω
Free inductance [Leb]	0.074 mH
Bound inductance [Le]	0.91 mH
Semi-inductance [Ke]	0.088 SH
Shunt resistance [Rss]	249 Ω

Mechanical Data	
Force Factor [Bl]	6.40 Tm
Moving mass [Mms]	8.4 g
Compliance [Cms]	0.87 mm/N
Mechanical resistance [Rms]	0.92 kg/s
Admittance [Ams]	0.13 mm/N

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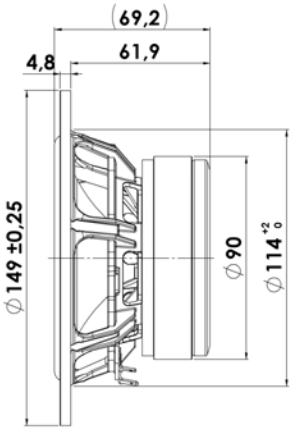

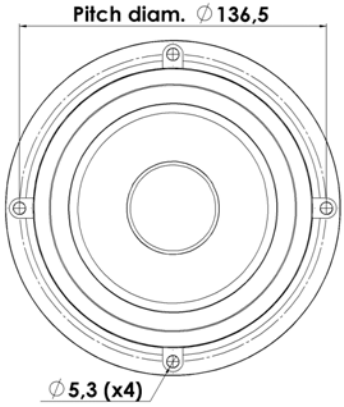

KEY FEATURES:

- Coated NRSC Fibre Glass Cone
- Low Damping SBR Rubber Surround
- Magnet System w. Alu Ring
- Die cast Alu Chassis vented below spider

T-S Parameters	
Resonance frequency [fs]	45 Hz
Mechanical Q factor [Qms]	3.74
Electrical Q factor [Qes]	0.27
Total Q factor [Qts]	0.25
Force factor [Bl]	7.3 Tm
Mechanical resistance [Rms]	0.66 kg/s
Moving mass [Mms]	8.61 g
Compliance [Cms]	1.43 mm/N
Effective diaph. diameter [D]	101 mm
Effective piston area [Sd]	80 cm²
Equivalent volume [Vas]	12.8 l
Sensitivity (2.83V/1m)	86.9 dB
Ratio Bl/√Re	3.05 N/√W
Ratio fs/Qts	180 Hz

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	7.1 Ω
Maximum impedance [Zo]	84.7 Ω
DC resistance [Re]	5.7 Ω
Voice coil inductance [Le]	0.8 mH

Power Handling	
100h RMS noise test (IEC 17.1)	60 W
Long-term max power (IEC 17.3)	120 W

Voice Coil & Magnet Data	
Voice coil diameter	32 mm
Voice coil height	13.4 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 4.2 mm
Max mech. excursion	± 8 mm
Unit weight	1.2 kg

Notes:
IEC specs. refer to IEC 60268-5 third edition.
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Data are subject to change without notice.
Datasheet updated: June 10, 2015.

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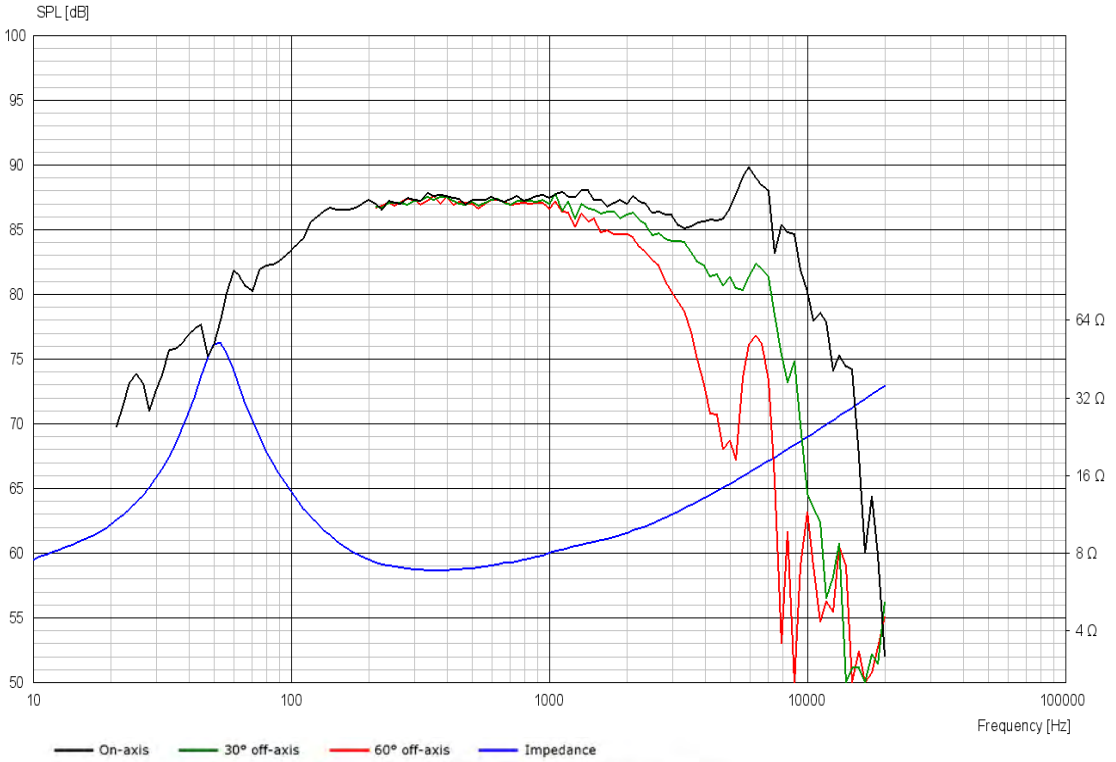
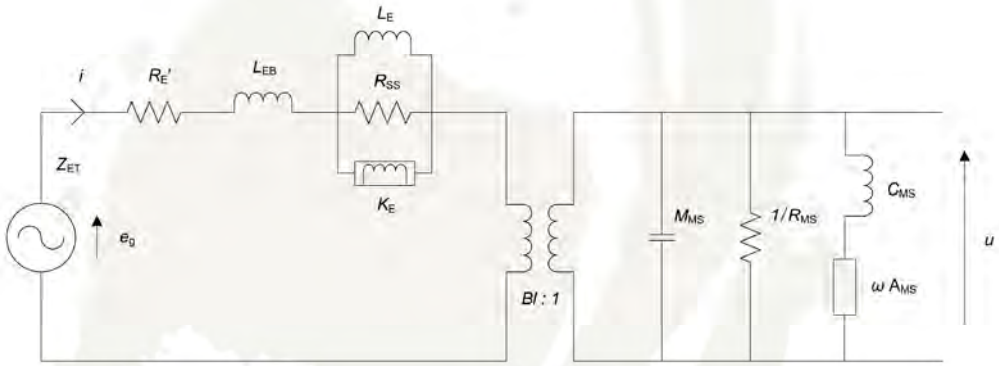


Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	5.79 Ω
Free inductance [Leb]	0.144 mH
Bound inductance [Le]	1.07 mH
Semi-inductance [Ke]	0.053 SH
Shunt resistance [Rss]	950 Ω

Mechanical Data	
Force Factor [Bl]	6.83 Tm
Moving mass [Mms]	9.7 g
Compliance [Cms]	0.86 mm/N
Mechanical resistance [Rms]	0.90 kg/s
Admittance [Ams]	0.12 mm/N

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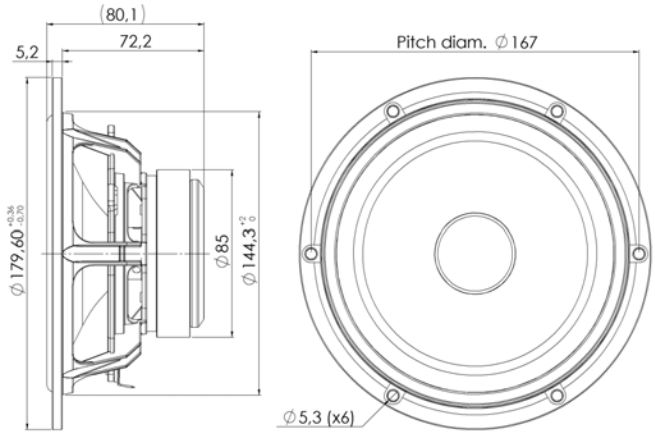

KEY FEATURES:

- High Output 91dB @ 2,83V
- Coated NRSC Fibre Glass Cone
- Die cast Alu Chassis vented below spider
- Excellent Midrange Performance
- Low Damping SBR Rubber Surround

T-S Parameters	
Resonance frequency [fs]	49 Hz
Mechanical Q factor [Qms]	4.57
Electrical Q factor [Qes]	0.42
Total Q factor [Qts]	0.38
Force factor [Bl]	5.2 Tm
Mechanical resistance [Rms]	0.77 kg/s
Moving mass [Mms]	11.4 g
Compliance [Cms]	0.92 mm/N
Effective diaph. diameter [D]	132 mm
Effective piston area [Sd]	137 cm²
Equivalent volume [Vas]	24.1 l
Sensitivity (2.83V/1m)	90.9 dB
Ratio Bl/√Re	2.91 N/√W
Ratio fs/Qts	128 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.1 Ω
Maximum impedance [Zo]	38.0 Ω
DC resistance [Re]	3.2 Ω
Voice coil inductance [Le]	0.47 mH

Power Handling	
100h RMS noise test (IEC 17.1)	50 W
Long-term max power (IEC 17.3)	110 W

Voice Coil & Magnet Data	
Voice coil diameter	25 mm
Voice coil height	10.5 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 2.8 mm
Max mech. excursion	± 8 mm
Unit weight	1.1 kg

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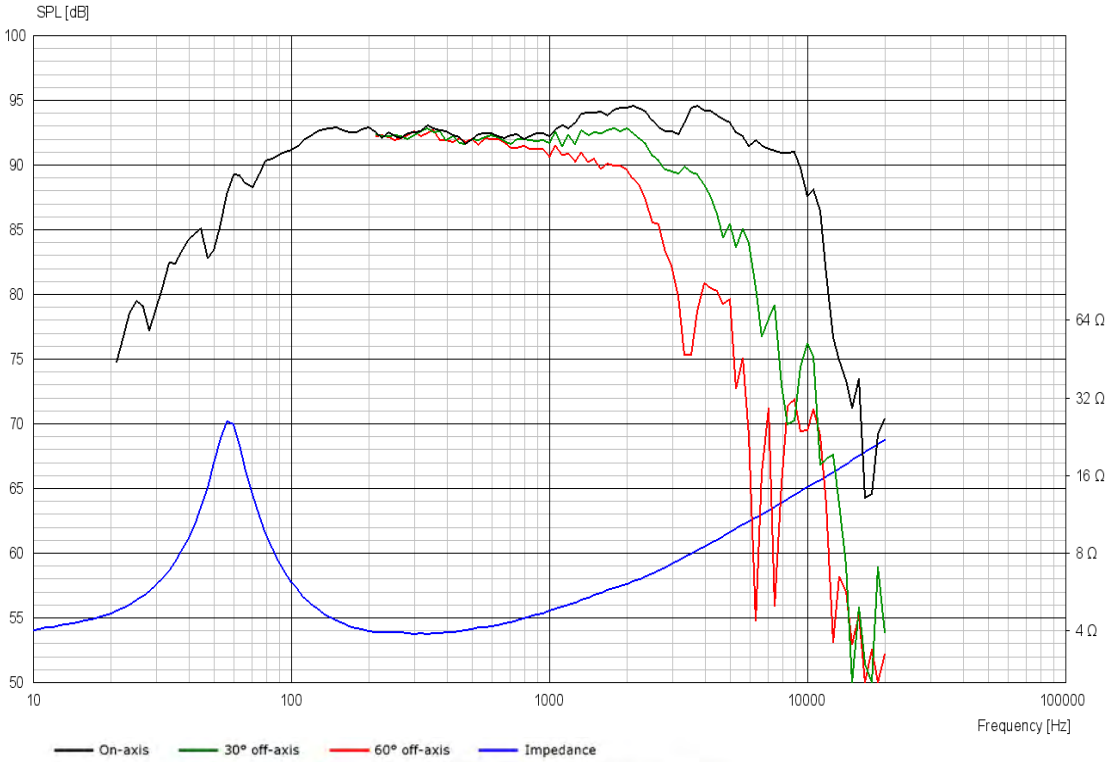
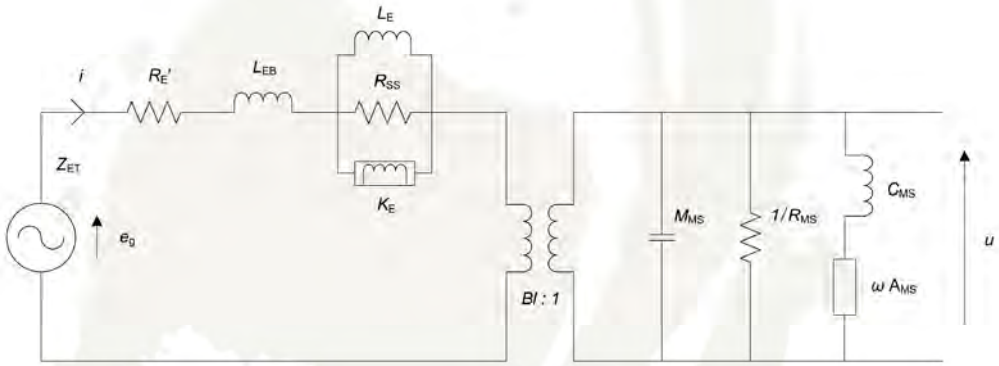
DISCOVERY

MIDWOOFER 18W/4424G00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.19 Ω
Free inductance [Leb]	0.040 mH
Bound inductance [Le]	0.61 mH
Semi-inductance [Ke]	0.061 SH
Shunt resistance [Rss]	208 Ω

Mechanical Data	
Force Factor [Bl]	5.19 Tm
Moving mass [Mms]	12.6 g
Compliance [Cms]	0.74 mm/N
Mechanical resistance [Rms]	0.99 kg/s
Admittance [Ams]	0.10 mm/N

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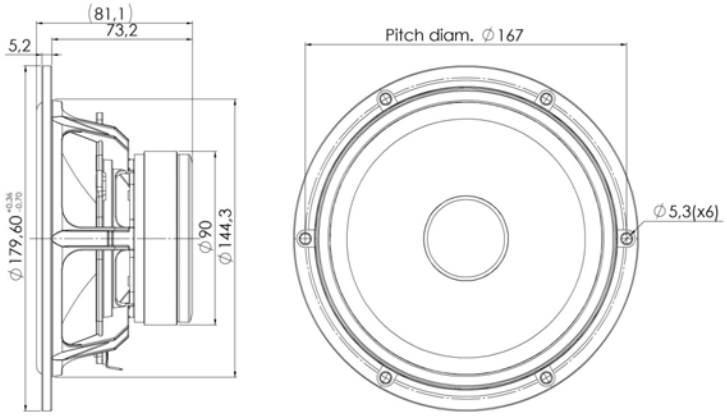

KEY FEATURES:

- High Output 91dB @ 2,83V
- Magnet System w. Alu Ring
- Die cast Alu Chassis vented below spider
- Coated NRSC Fibre Glass Cone
- Low Damping SBR Rubber Surround

T-S Parameters	
Resonance frequency [fs]	47 Hz
Mechanical Q factor [Qms]	7.81
Electrical Q factor [Qes]	0.37
Total Q factor [Qts]	0.35
Force factor [Bl]	6.0 Tm
Mechanical resistance [Rms]	0.55 kg/s
Moving mass [Mms]	14.41 g
Compliance [Cms]	0.79 mm/N
Effective diaph. diameter [D]	132 mm
Effective piston area [Sd]	137 cm²
Equivalent volume [Vas]	20.7 l
Sensitivity (2.83V/1m)	91.3 dB
Ratio Bl/√Re	3.48 N/√W
Ratio fs/Qts	134 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.9 Ω
Maximum impedance [Zo]	66.3 Ω
DC resistance [Re]	3 Ω
Voice coil inductance [Le]	0.39 mH

Power Handling	
100h RMS noise test (IEC 17.1)	55 W
Long-term max power (IEC 17.3)	170 W

Voice Coil & Magnet Data	
Voice coil diameter	32 mm
Voice coil height	13.6 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 4.3 mm
Max mech. excursion	± 8 mm
Unit weight	1.3 kg

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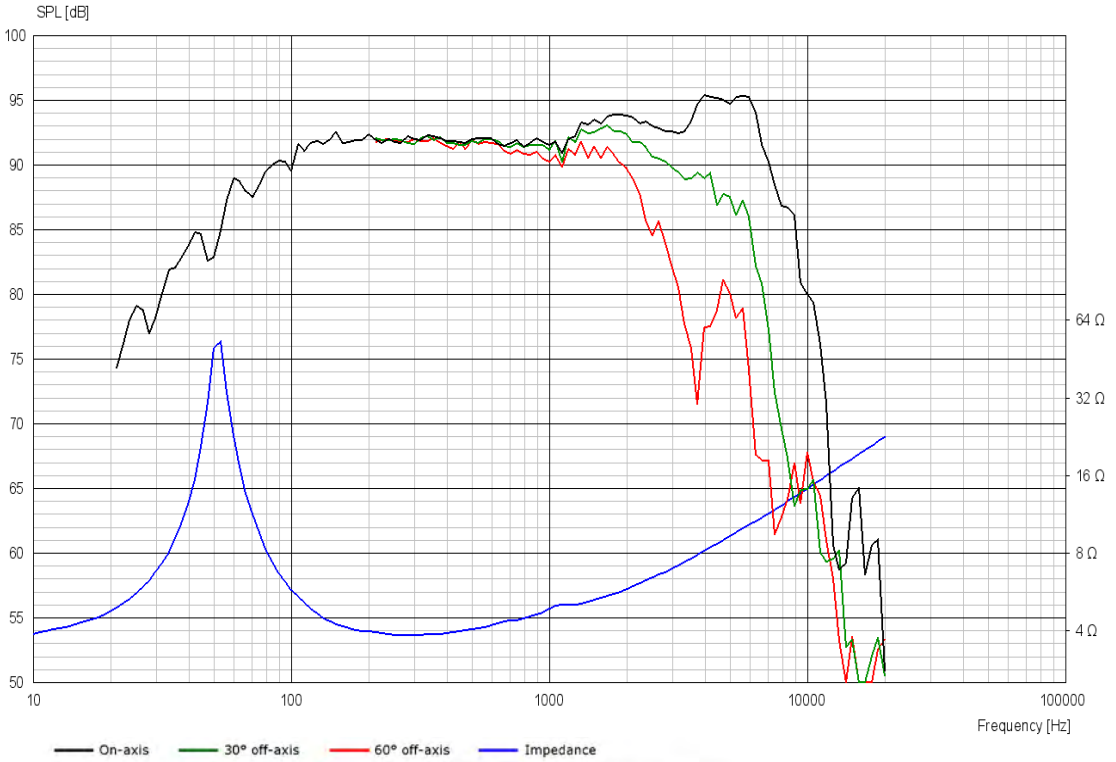
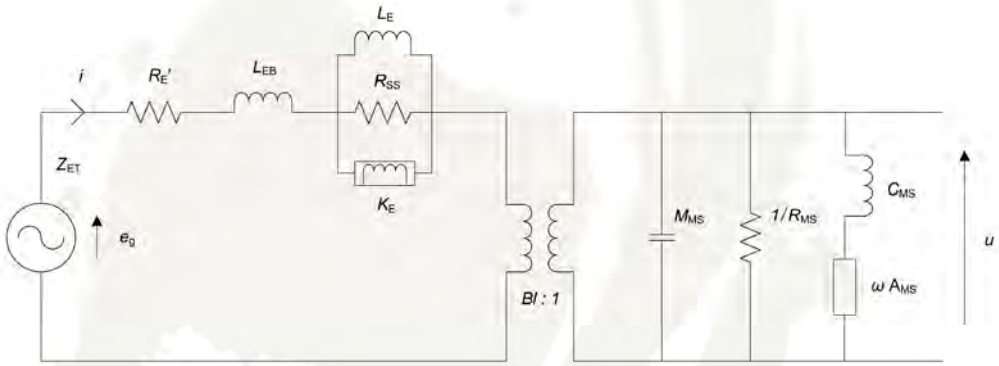
DISCOVERY

MIDWOOFER 18W/4434G00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.14 Ω
Free inductance [Leb]	0.101 mH
Bound inductance [Le]	0.81 mH
Semi-inductance [Ke]	0.032 SH
Shunt resistance [Rss]	226 Ω

Mechanical Data	
Force Factor [Bl]	5.40 Tm
Moving mass [Mms]	14.5 g
Compliance [Cms]	0.63 mm/N
Mechanical resistance [Rms]	0.81 kg/s
Admittance [Ams]	0.07 mm/N

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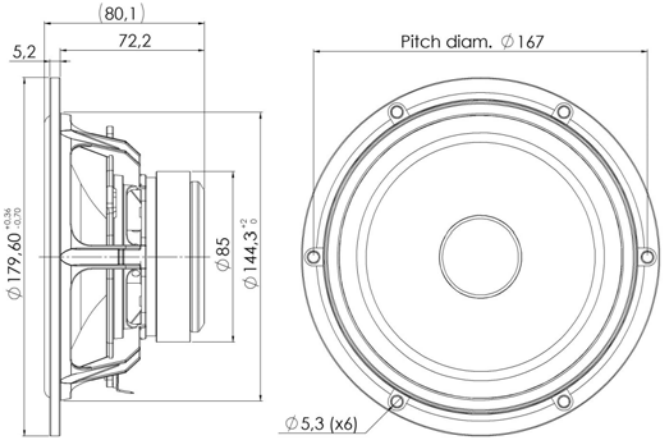
DISCOVERY

MIDWOOFER 18W/8424G00

The Discovery series offer traditional design, superior sound, a solid construction, and a wide range of variants. Combining these elements - plus a wealth of technical features and finesses - it gives our customers the possibility of acquiring a tailor-made Scan-Speak solution with very good performance at a reasonable low price point!



KEY FEATURES:

- High Output 89,5dB @ 2,83V
- Coated NRSC Fibre Glass Cone
- Die cast Alu Chassis vented below spider
- Excellent Midrange Performance
- Low Damping SBR Rubber Surround

T-S Parameters	
Resonance frequency [fs]	54 Hz
Mechanical Q factor [Qms]	4.04
Electrical Q factor [Qes]	0.51
Total Q factor [Qts]	0.45
Force factor [Bl]	6.6 Tm
Mechanical resistance [Rms]	0.95 kg/s
Moving mass [Mms]	11.3 g
Compliance [Cms]	0.77 mm/N
Effective diaph. diameter [D]	132 mm
Effective piston area [Sd]	137 cm²
Equivalent volume [Vas]	20.3 l
Sensitivity (2.83V/1m)	89.4 dB
Ratio Bl/√Re	2.76 N/√W
Ratio fs/Qts	119 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.4 Ω
Maximum impedance [Zo]	50.9 Ω
DC resistance [Re]	5.7 Ω
Voice coil inductance [Le]	0.69 mH

Power Handling	
100h RMS noise test (IEC 17.1)	50 W
Long-term max power (IEC 17.3)	110 W

Voice Coil & Magnet Data	
Voice coil diameter	25 mm
Voice coil height	10.2 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 2.6 mm
Max mech. excursion	± 8 mm
Unit weight	1.1 kg

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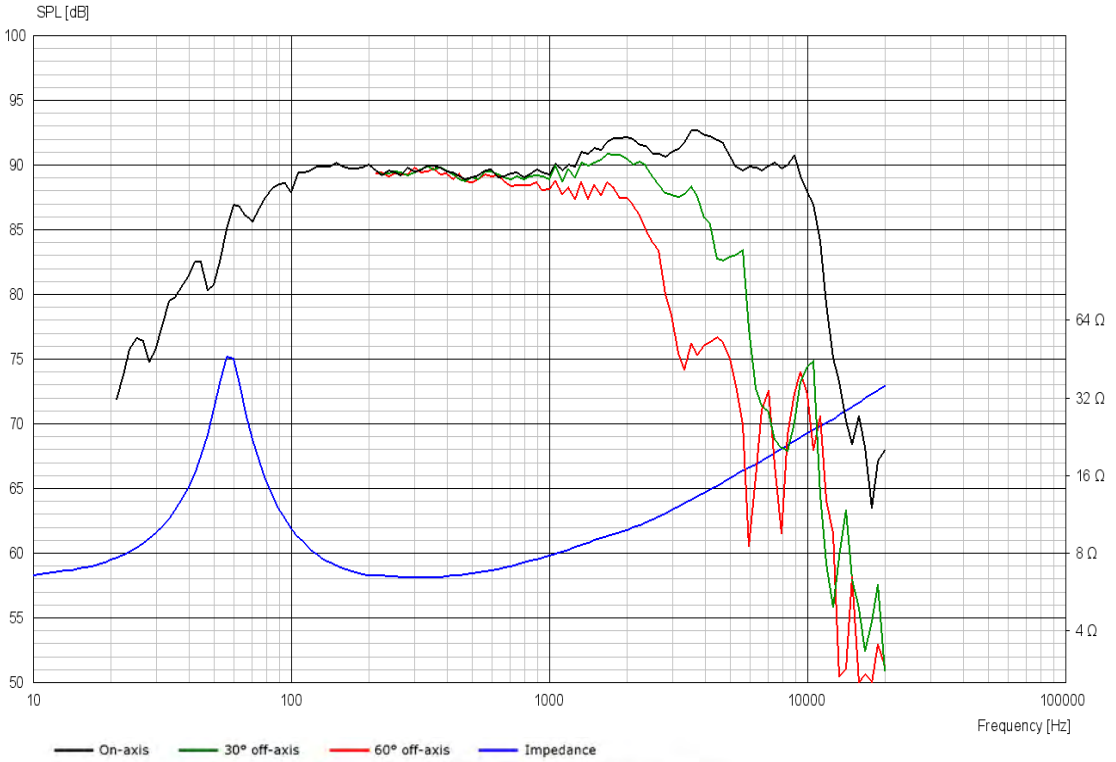
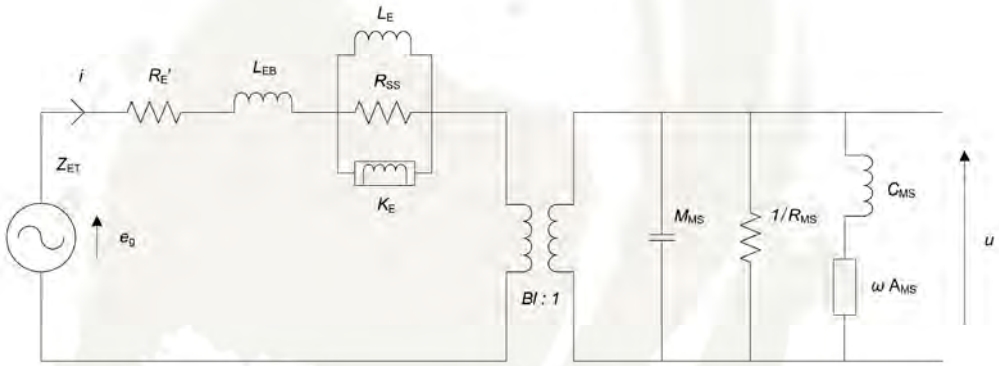


Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	5.75 Ω
Free inductance [Leb]	0.065 mH
Bound inductance [Le]	0.90 mH
Semi-inductance [Ke]	0.089 SH
Shunt resistance [Rss]	381 Ω

Mechanical Data	
Force Factor [Bl]	6.27 Tm
Moving mass [Mms]	12.3 g
Compliance [Cms]	0.65 mm/N
Mechanical resistance [Rms]	1.01 kg/s
Admittance [Ams]	0.09 mm/N

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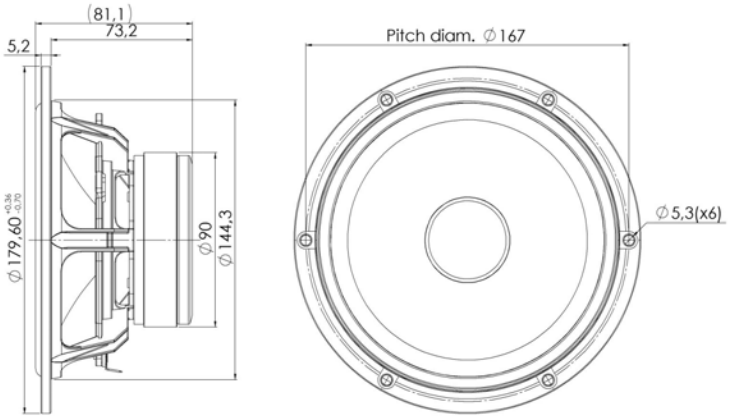

KEY FEATURES:

- High Output 89dB @ 2,83V
- Magnet System w. Alu Ring
- Die cast Alu Chassis vented below spider
- Coated NRSC Fibre Glass Cone
- Low Damping SBR Rubber Surround

T-S Parameters	
Resonance frequency [fs]	50 Hz
Mechanical Q factor [Qms]	7.58
Electrical Q factor [Qes]	0.46
Total Q factor [Qts]	0.43
Force factor [Bl]	7.2 Tm
Mechanical resistance [Rms]	0.57 kg/s
Moving mass [Mms]	13.7 g
Compliance [Cms]	0.74 mm/N
Effective diaph. diameter [D]	132 mm
Effective piston area [Sd]	137 cm²
Equivalent volume [Vas]	19.5 l
Sensitivity (2.83V/1m)	88.7 dB
Ratio Bl/√Re	3.05 N/√W
Ratio fs/Qts	115 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.7 Ω
Maximum impedance [Zo]	97.9 Ω
DC resistance [Re]	5.6 Ω
Voice coil inductance [Le]	0.55 mH

Power Handling	
100h RMS noise test (IEC 17.1)	55 W
Long-term max power (IEC 17.3)	170 W

Voice Coil & Magnet Data	
Voice coil diameter	32 mm
Voice coil height	13.4 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 4.2 mm
Max mech. excursion	± 8 mm
Unit weight	1.3 kg

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DISCOVERY

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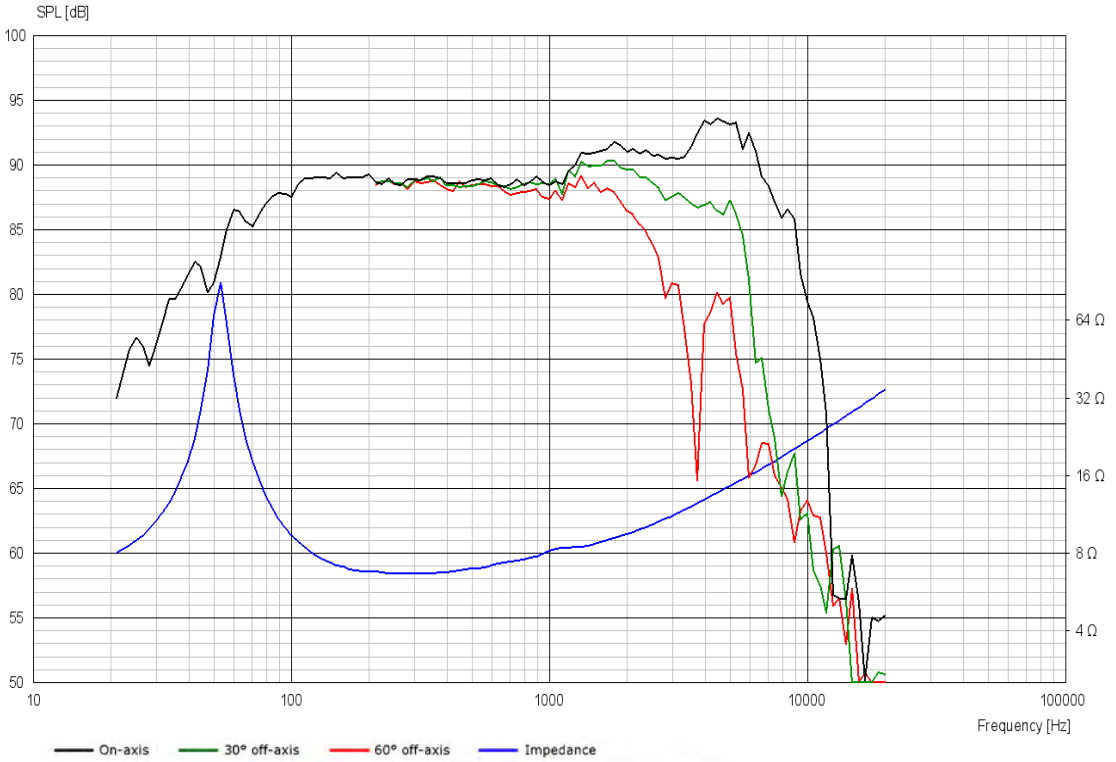
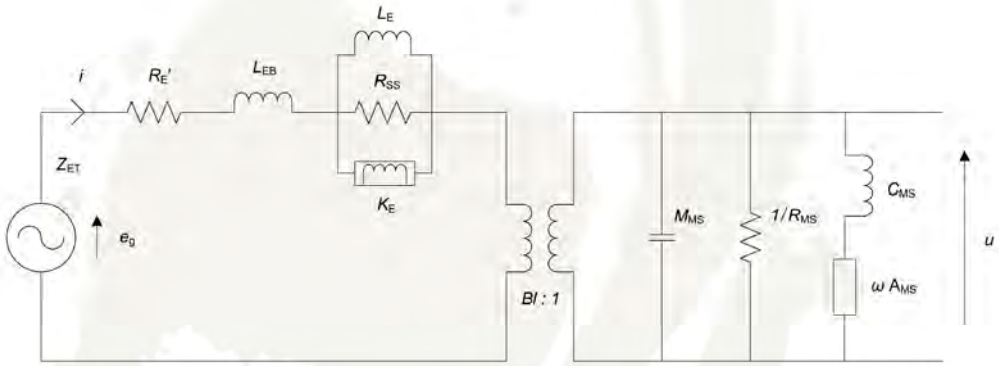


Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	5.94 Ω
Free inductance [Leb]	0.153 mH
Bound inductance [Le]	1.45 mH
Semi-inductance [Ke]	0.049 SH
Shunt resistance [Rss]	250 Ω

Mechanical Data	
Force Factor [Bl]	6.82 Tm
Moving mass [Mms]	14.0 g
Compliance [Cms]	0.74 mm/N
Mechanical resistance [Rms]	0.56 kg/s
Admittance [Ams]	0.06 mm/N

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DISCOVERY

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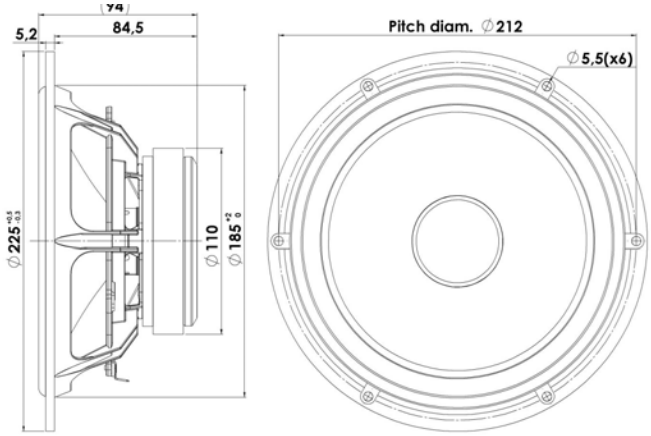

KEY FEATURES:

- High Output 92,5dB @ 2,83V
- Coated NRSC Fibre Glass Cone
- Low Damping SBR Rubber Surround
- Low Resonance Freq. 30Hz
- Magnet System w. Alu Ring
- Die cast Alu Chassis vented below spider

T-S Parameters	
Resonance frequency [fs]	30 Hz
Mechanical Q factor [Qms]	3.70
Electrical Q factor [Qes]	0.37
Total Q factor [Qts]	0.34
Force factor [Bl]	6 Tm
Mechanical resistance [Rms]	1.19 kg/s
Moving mass [Mms]	23.7 g
Compliance [Cms]	1.23 mm/N
Effective diaph. diameter [D]	173 mm
Effective piston area [Sd]	235 cm²
Equivalent volume [Vas]	95.0 l
Sensitivity (2.83V/1m)	92.4 dB
Ratio Bl/√Re	3.46 N/√W
Ratio fs/Qts	88 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.7 Ω
Maximum impedance [Zo]	33.0 Ω
DC resistance [Re]	3 Ω
Voice coil inductance [Le]	0.33 mH

Power Handling	
100h RMS noise test (IEC 17.1)	70 W
Long-term max power (IEC 17.3)	120 W

Voice Coil & Magnet Data	
Voice coil diameter	38 mm
Voice coil height	17.3 mm
Voice coil layers	2
Height of gap	6 mm
Linear excursion	± 5.7 mm
Max mech. excursion	± 12 mm
Unit weight	2.1 kg

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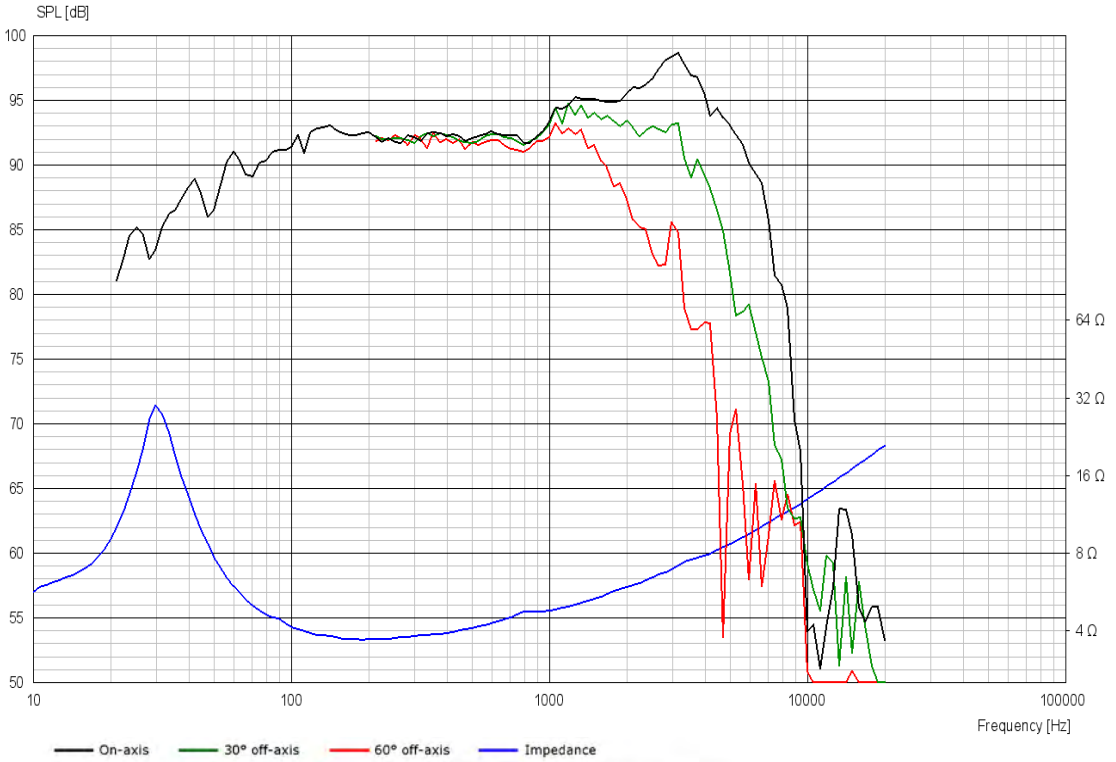
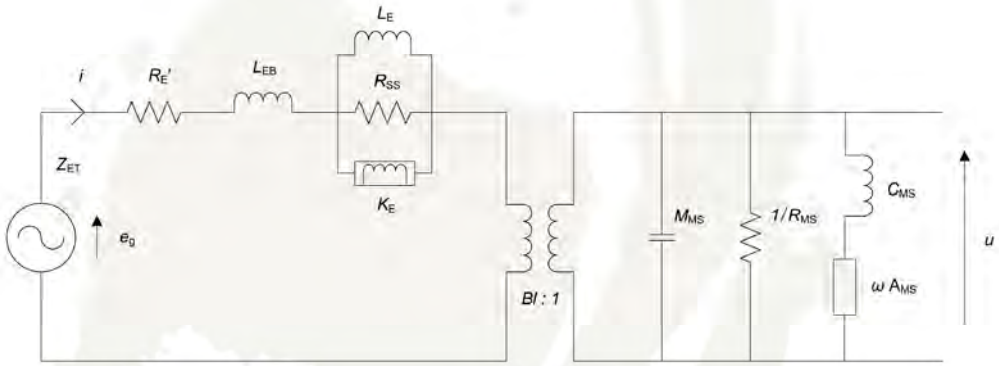


Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.18 Ω
Free inductance [Leb]	0.078 mH
Bound inductance [Le]	2.13 mH
Semi-inductance [Ke]	0.030 SH
Shunt resistance [Rss]	297 Ω

Mechanical Data	
Force Factor [Bl]	6.19 Tm
Moving mass [Mms]	26.3 g
Compliance [Cms]	0.95 mm/N
Mechanical resistance [Rms]	1.53 kg/s
Admittance [Ams]	0.18 mm/N

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DISCOVERY

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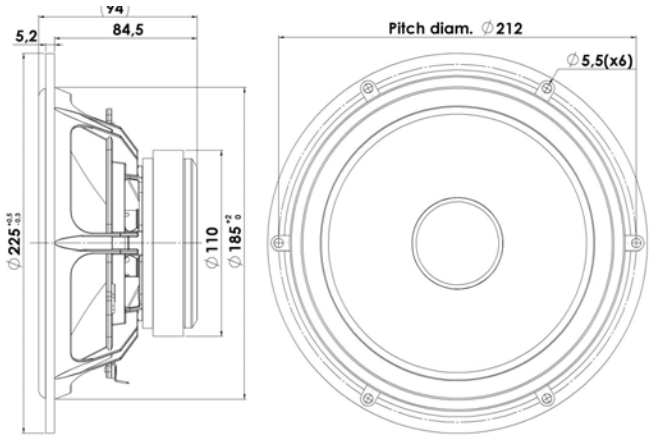

KEY FEATURES:

- High Output 89dB @ 2,83V
- Coated NRSC Fibre Glass Cone
- Low Damping SBR Rubber Surround
- Low Resonance Freq. 30Hz
- Magnet System w. Alu Ring
- Die cast Alu Chassis vented below spider

T-S Parameters	
Resonance frequency [fs]	30 Hz
Mechanical Q factor [Qms]	4.14
Electrical Q factor [Qes]	0.43
Total Q factor [Qts]	0.39
Force factor [Bl]	7.8 Tm
Mechanical resistance [Rms]	1.05 kg/s
Moving mass [Mms]	23.1 g
Compliance [Cms]	1.22 mm/N
Effective diaph. diameter [D]	173 mm
Effective piston area [Sd]	235 cm²
Equivalent volume [Vas]	94.2 l
Sensitivity (2.83V/1m)	88.8 dB
Ratio Bl/√Re	3.21 N/√W
Ratio fs/Qts	77 Hz

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.8 Ω
Maximum impedance [Zo]	62.7 Ω
DC resistance [Re]	5.9 Ω
Voice coil inductance [Le]	0.56 mH

Power Handling	
100h RMS noise test (IEC 17.1)	70 W
Long-term max power (IEC 17.3)	120 W

Voice Coil & Magnet Data	
Voice coil diameter	38 mm
Voice coil height	17.5 mm
Voice coil layers	2
Height of gap	6 mm
Linear excursion	± 5.8 mm
Max mech. excursion	± 12 mm
Unit weight	2.1 kg

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

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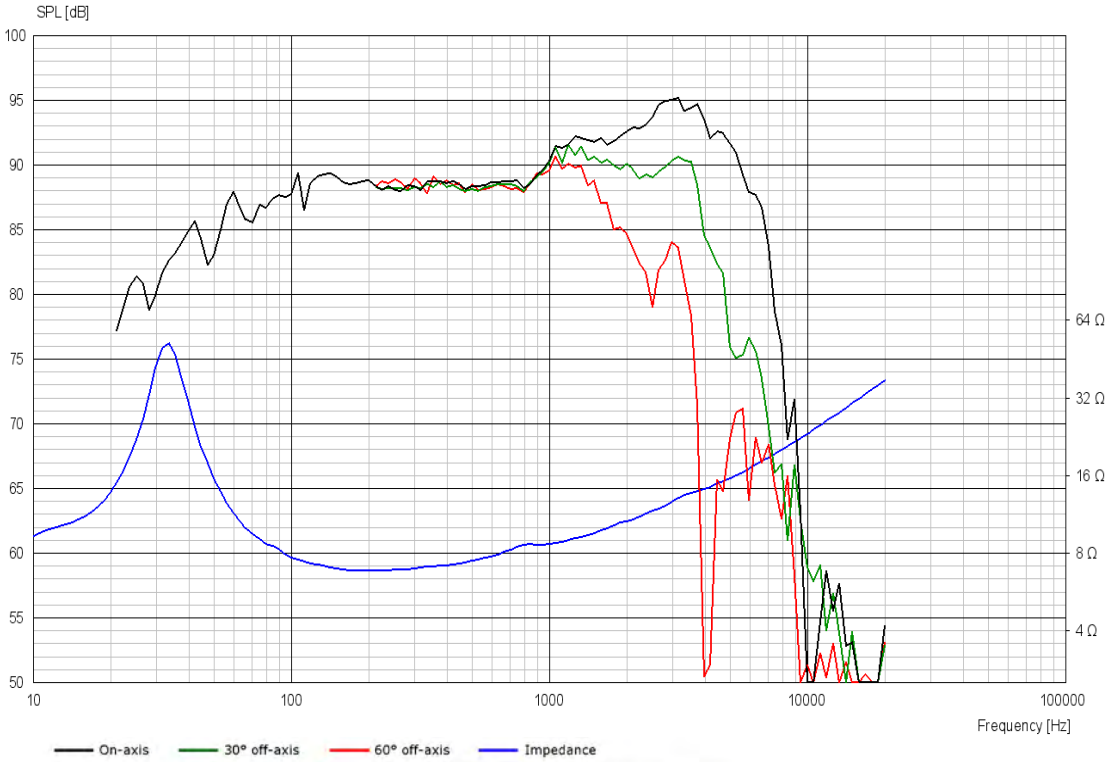

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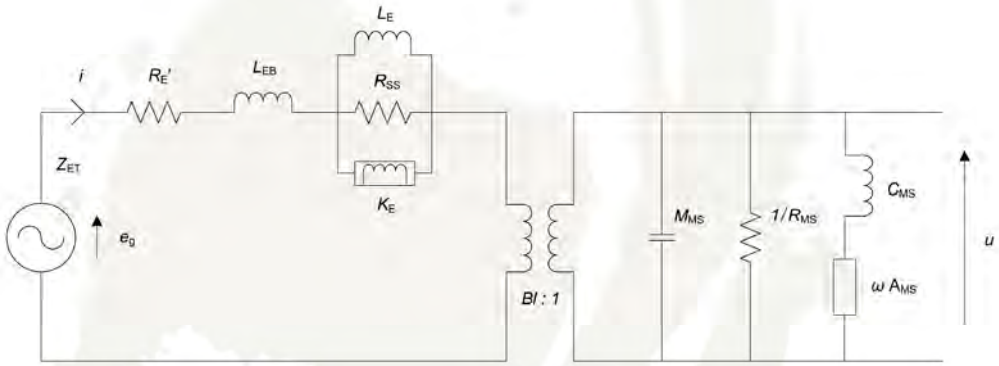

Electrical data	
Resistance [Re']	5.96 Ω
Free inductance [Leb]	0.144 mH
Bound inductance [Le]	2.85 mH
Semi-inductance [Ke]	0.047 SH
Shunt resistance [Rss]	101 Ω

Mechanical Data	
Force Factor [Bl]	8.01 Tm
Moving mass [Mms]	25.6 g
Compliance [Cms]	0.81 mm/N
Mechanical resistance [Rms]	1.41 kg/s
Admittance [Ams]	0.13 mm/N

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DISCOVERY

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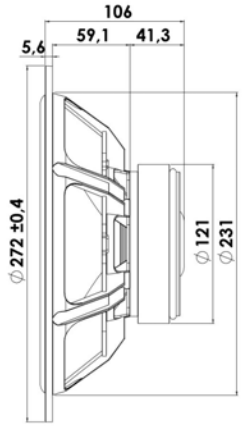

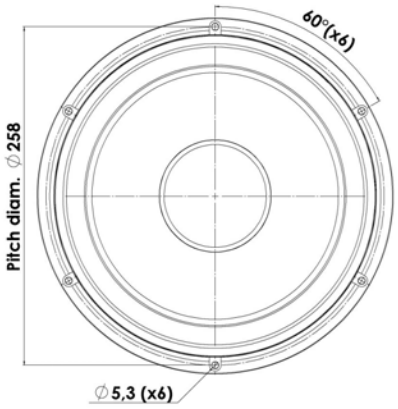

KEY FEATURES:

- Black Anodized Alu Cone
- Magnet System w. Alu Ring
- Low Resonance Freq. 23Hz
- Coated Fibre Glass Dust Cap
- Die cast Alu Chassis vented below spider

T-S Parameters	
Resonance frequency [fs]	23 Hz
Mechanical Q factor [Qms]	9.57
Electrical Q factor [Qes]	0.37
Total Q factor [Qts]	0.36
Force factor [Bl]	8.8 Tm
Mechanical resistance [Rms]	0.80 kg/s
Moving mass [Mms]	52 g
Compliance [Cms]	0.92 mm/N
Effective diaph. diameter [D]	211 mm
Effective piston area [Sd]	350 cm²
Equivalent volume [Vas]	156 l
Sensitivity (2.83V/1m)	90.5 dB
Ratio Bl/√Re	4.51 N/√W
Ratio fs/Qts	63.9 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.5 Ω
Maximum impedance [Zo]	87.2 Ω
DC resistance [Re]	3.8 Ω
Voice coil inductance [Le]	0.70 mH

Power Handling	
100h RMS noise test (IEC 17.1)	90 W
Long-term max power (IEC 17.3)	175 W

Voice Coil & Magnet Data	
Voice coil diameter	38 mm
Voice coil height	18 mm
Voice coil layers	2
Height of gap	6 mm
Linear excursion	± 6 mm
Max mech. excursion	± 12 mm
Unit weight	2.9 kg

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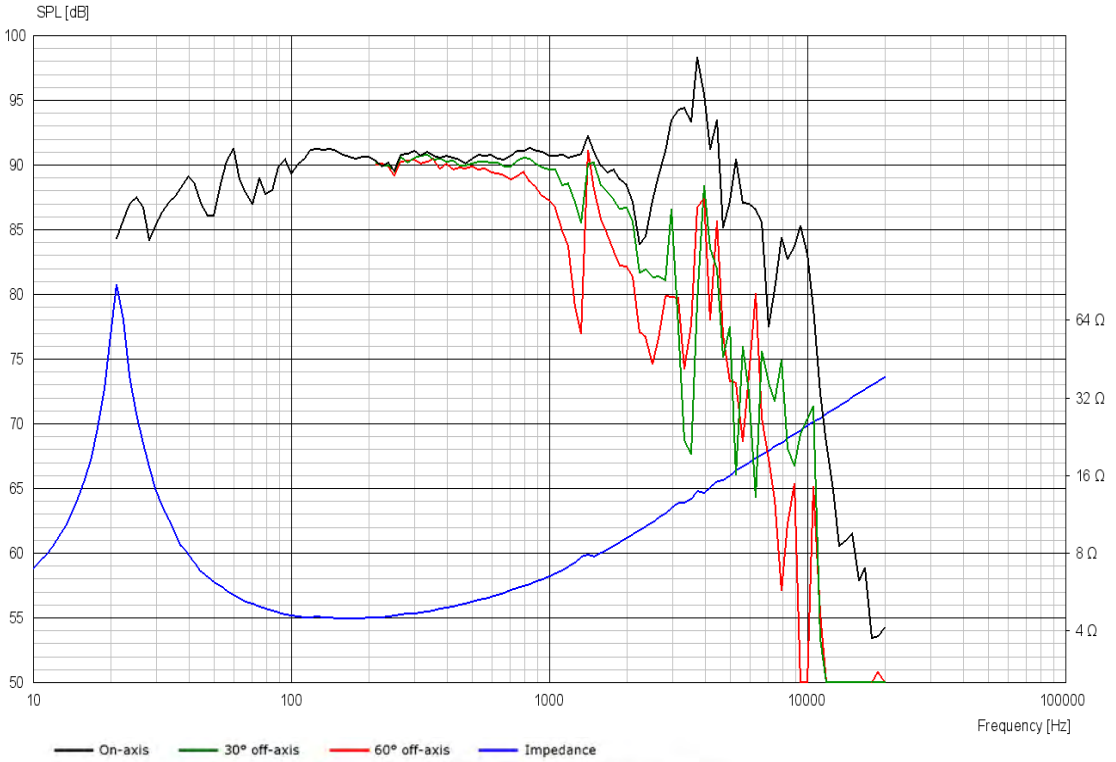
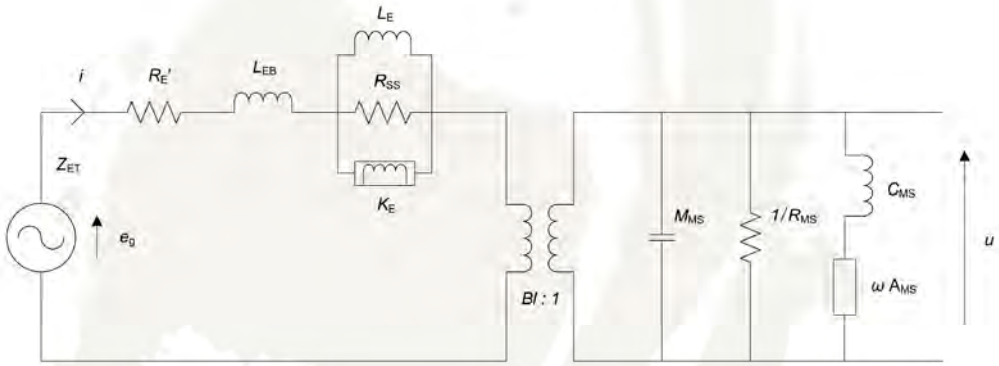
DISCOVERY

WOOFER 26W/4534G00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.92 Ω
Free inductance [Leb]	0.107 mH
Bound inductance [Le]	0.99 mH
Semi-inductance [Ke]	0.109 SH
Shunt resistance [Rss]	265 Ω

Mechanical Data	
Force Factor [Bl]	8.27 Tm
Moving mass [Mms]	51.9 g
Compliance [Cms]	1.33 mm/N
Mechanical resistance [Rms]	0.71 kg/s
Admittance [Ams]	0.14 mm/N

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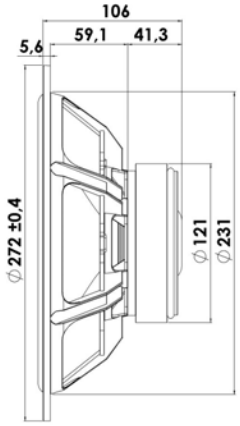

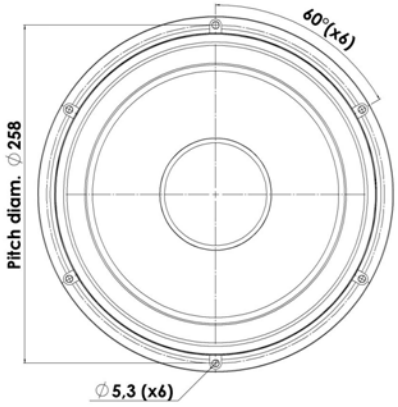

KEY FEATURES:

- Black Anodized Alu Cone
- Magnet System w. Alu Ring
- Low Resonance Freq. 23Hz
- Coated Fibre Glass Dust Cap
- Die cast Alu Chassis vented below spider

T-S Parameters	
Resonance frequency [fs]	23 Hz
Mechanical Q factor [Qms]	9.12
Electrical Q factor [Qes]	0.42
Total Q factor [Qts]	0.40
Force factor [Bl]	10.1 Tm
Mechanical resistance [Rms]	0.80 kg/s
Moving mass [Mms]	50.5 g
Compliance [Cms]	0.95 mm/N
Effective diaph. diameter [D]	211 mm
Effective piston area [Sd]	350 cm²
Equivalent volume [Vas]	150 l
Sensitivity (2.83V/1m)	89 dB
Ratio Bl/√Re	4.23 N/√W
Ratio fs/Qts	57.5 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.4 Ω
Maximum impedance [Zo]	117 Ω
DC resistance [Re]	5.7 Ω
Voice coil inductance [Le]	0.96 mH

Power Handling	
100h RMS noise test (IEC 17.1)	80 W
Long-term max power (IEC 17.3)	150 W

Voice Coil & Magnet Data	
Voice coil diameter	38 mm
Voice coil height	18 mm
Voice coil layers	2
Height of gap	6 mm
Linear excursion	± 6 mm
Max mech. excursion	± 12 mm
Unit weight	2.9 kg

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DISCOVERY

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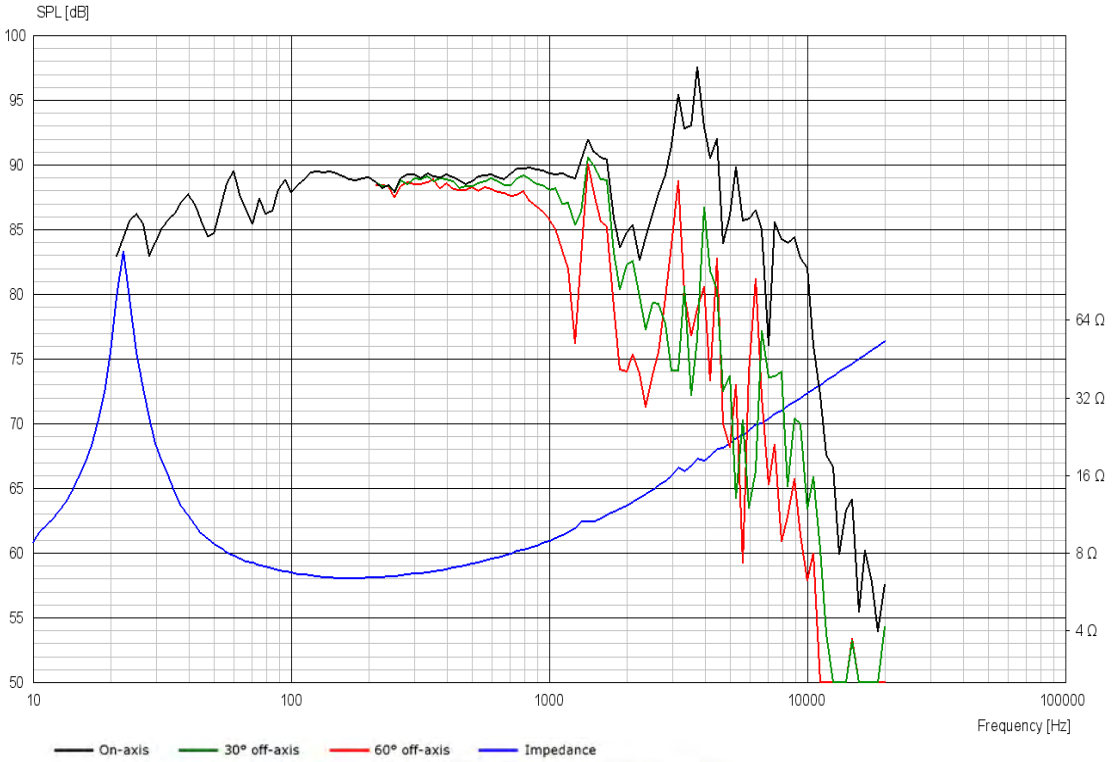
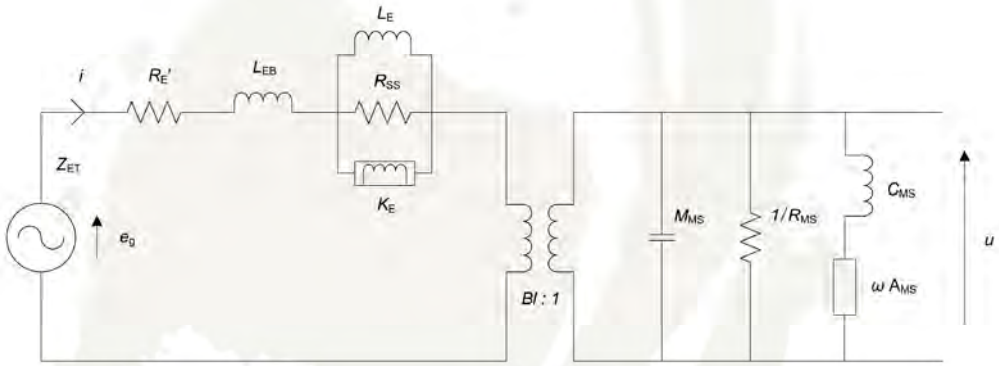


Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	6.04 Ω
Free inductance [Leb]	0.135 mH
Bound inductance [Le]	1.38 mH
Semi-inductance [Ke]	0.141 SH
Shunt resistance [Rss]	500 Ω

Mechanical Data	
Force Factor [Bl]	9.82 Tm
Moving mass [Mms]	46.5 g
Compliance [Cms]	1.26 mm/N
Mechanical resistance [Rms]	0.62 kg/s
Admittance [Ams]	0.11 mm/N

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DISCOVERY

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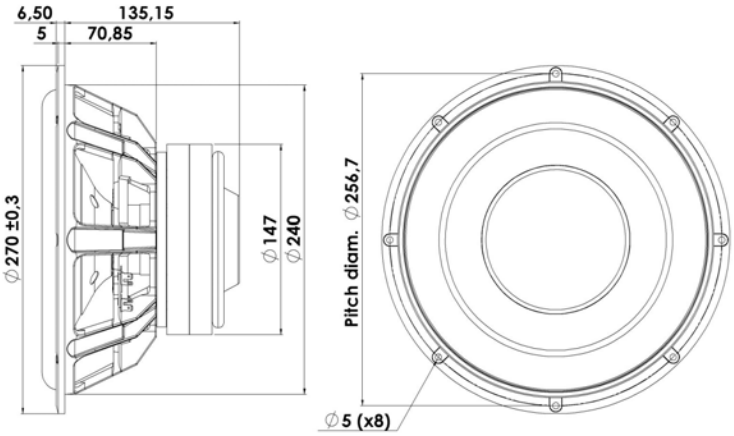
The Discovery series offer traditional design, superior sound, a solid construction, and a wide range of variants. Combining these elements - plus a wealth of technical features and finesses - it gives our customers the possibility of acquiring a tailor-made Scan-Speak solution with very good performance at a reasonable low price point!



KEY FEATURES:

- 56mm Peak Excursion, 25mm Linear
- Low Resonance Freq. 21Hz
- Magnet System w. Alu Ring
- High Output 88dB @ 2,83V
- Anodized Alu Cone, Fibre Glass Dust Cap
- Die cast Alu Chassis vented below spider

T-S Parameters	
Resonance frequency [fs]	21 Hz
Mechanical Q factor [Qms]	5.56
Electrical Q factor [Qes]	0.33
Total Q factor [Qts]	0.31
Force factor [Bl]	10.5 Tm
Mechanical resistance [Rms]	2.49 kg/s
Moving mass [Mms]	105 g
Compliance [Cms]	0.55 mm/N
Effective diaph. diameter [D]	212 mm
Effective piston area [Sd]	352 cm²
Equivalent volume [Vas]	94.9 l
Sensitivity (2.83V/1m)	88 dB
Ratio Bl/√Re	6.51 N/√W
Ratio fs/Qts	68 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: April 23, 2014.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.3 Ω
Maximum impedance [Zo]	46.8 Ω
DC resistance [Re]	2.6 Ω
Voice coil inductance [Le]	0.83 mH

Power Handling	
100h RMS noise test (IEC 17.1)	80 W
Long-term max power (IEC 17.3)	200 W

Voice Coil & Magnet Data	
Voice coil diameter	51 mm
Voice coil height	33 mm
Voice coil layers	4
Height of gap	8 mm
Linear excursion	± 12.5 mm
Max mech. excursion	± 28 mm
Unit weight	6.2 kg

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DISCOVERY

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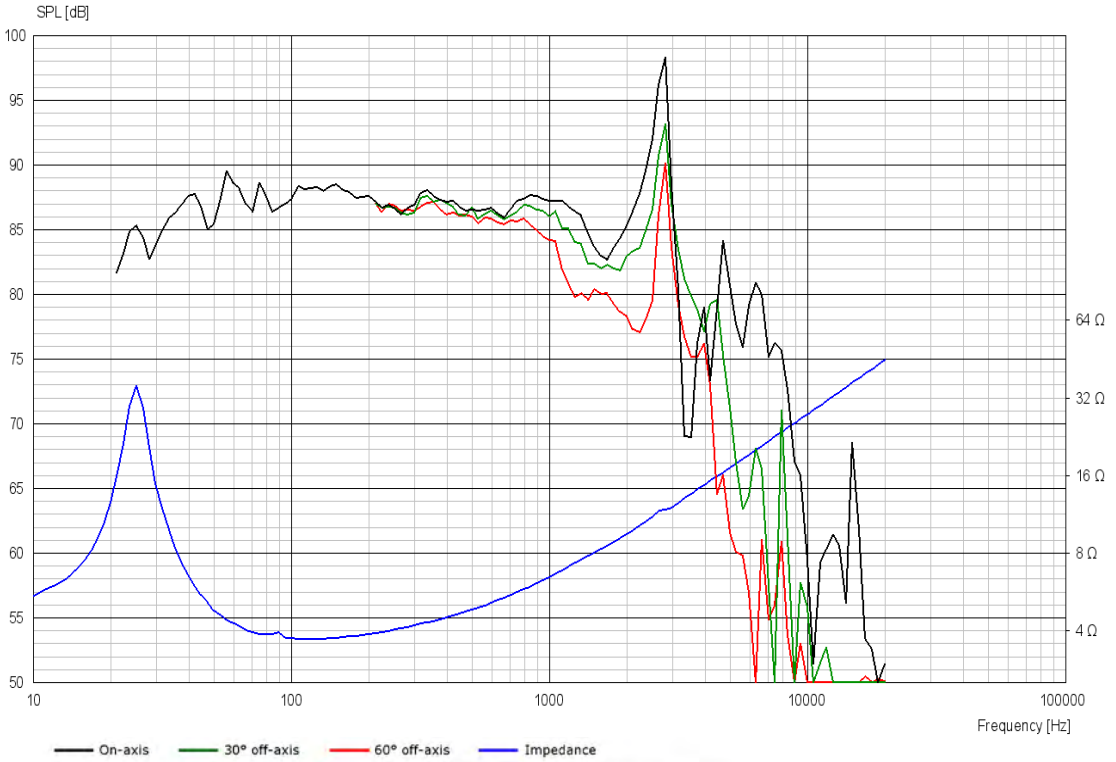
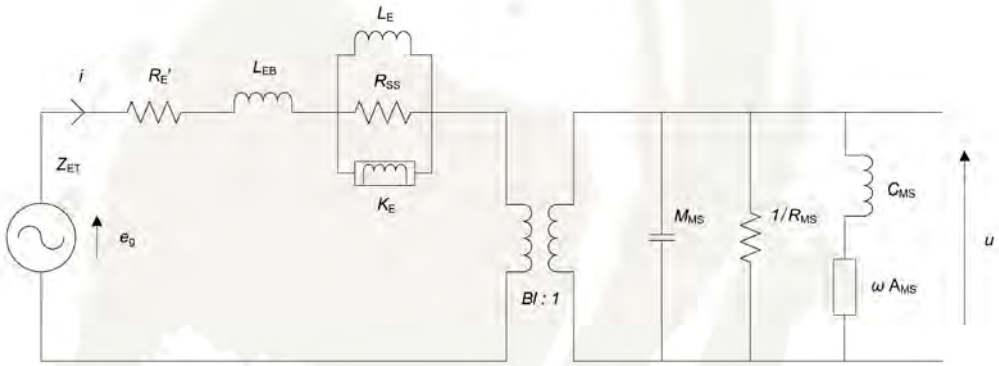


Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	2.70 Ω
Free inductance [Leb]	0.241 mH
Bound inductance [Le]	1.75 mH
Semi-inductance [Ke]	0.063 SH
Shunt resistance [Rss]	252 Ω

Mechanical Data	
Force Factor [Bl]	9.55 Tm
Moving mass [Mms]	102.2 g
Compliance [Cms]	0.71 mm/N
Mechanical resistance [Rms]	1.34 kg/s
Admittance [Ams]	0.06 mm/N

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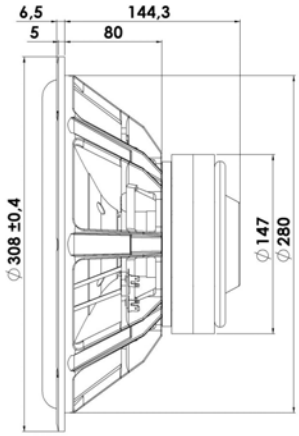

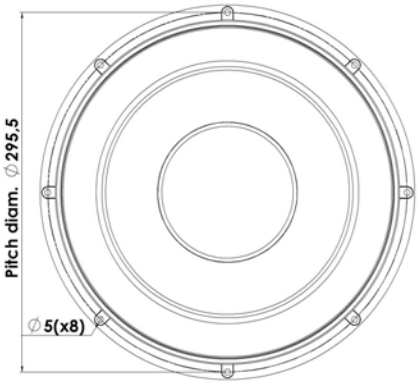

KEY FEATURES:

- 56mm Peak Excursion, 25mm Linear
- Low Resonance Freq. 17Hz
- Magnet System w. Alu Ring
- High Output 89dB @ 2,83V
- Anodized Alu Cone, Fibre Glass Dust Cap
- Die cast Alu Chassis vented below spider

T-S Parameters	
Resonance frequency [fs]	17 Hz
Mechanical Q factor [Qms]	5.01
Electrical Q factor [Qes]	0.34
Total Q factor [Qts]	0.32
Force factor [Bl]	10.5 Tm
Mechanical resistance [Rms]	2.88 kg/s
Moving mass [Mms]	135 g
Compliance [Cms]	0.65 mm/N
Effective diaph. diameter [D]	244 mm
Effective piston area [Sd]	466 cm²
Equivalent volume [Vas]	197 l
Sensitivity (2.83V/1m)	89 dB
Ratio Bl/√Re	6.51 N/√W
Ratio fs/Qts	53 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 30, 2013.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.3 Ω
Maximum impedance [Zo]	40.9 Ω
DC resistance [Re]	2.6 Ω
Voice coil inductance [Le]	0.83 mH

Power Handling	
100h RMS noise test (IEC 17.1)	150 W
Long-term max power (IEC 17.3)	350 W

Voice Coil & Magnet Data	
Voice coil diameter	51 mm
Voice coil height	33 mm
Voice coil layers	4
Height of gap	8 mm
Linear excursion	± 12.5 mm
Max mech. excursion	± 28 mm
Unit weight	6.3 kg

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DISCOVERY

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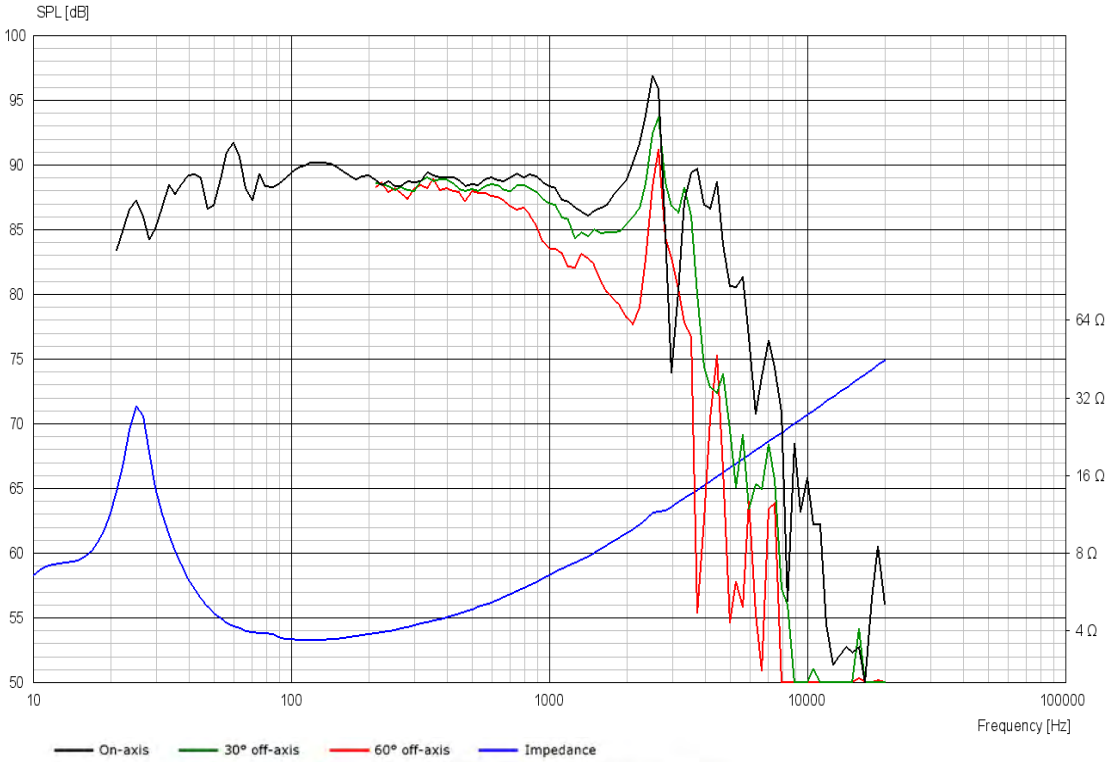
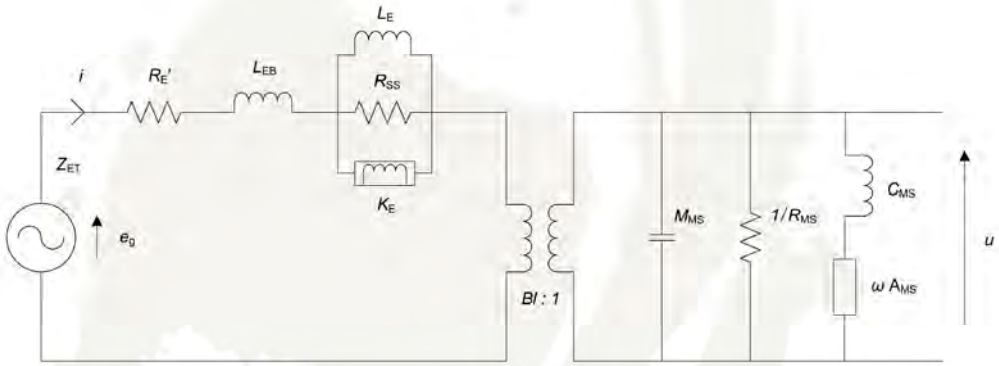


Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	2.72 Ω
Free inductance [Leb]	0.280 mH
Bound inductance [Le]	1.96 mH
Semi-inductance [Ke]	0.054 SH
Shunt resistance [Rss]	260 Ω

Mechanical Data	
Force Factor [Bl]	10.37 Tm
Moving mass [Mms]	129.3 g
Compliance [Cms]	0.68 mm/N
Mechanical resistance [Rms]	1.80 kg/s
Admittance [Ams]	0.07 mm/N

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DISCOVERY

PASSIVE RADIATOR 26W/0-00-00

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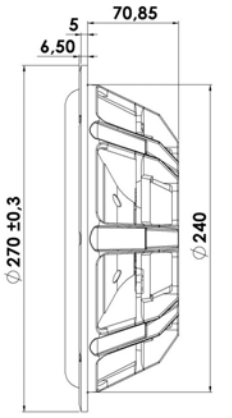

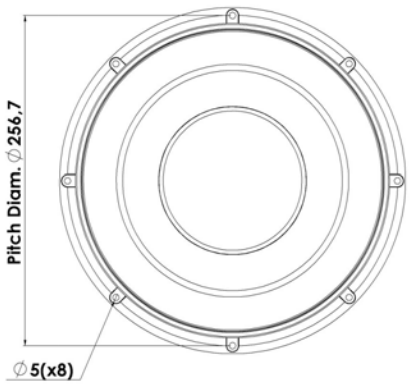

KEY FEATURES:

- Optimized for 26W/4558T00
- Rigid Black Aluminium Cone
- Die cast Alu Chassis
- Adjustable Weight for Optimum Fres
- Coated Sandwich Fibre Glass Dust Cap

T-S Parameters	
Resonance frequency [fs]	11 Hz
Mechanical Q factor [Qms]	13.7
Electrical Q factor [Qes]	-
Total Q factor [Qts]	-
Force factor [Bl]	- Tm
Mechanical resistance [Rms]	1.97 kg/s
Moving mass [Mms]	400 g
Compliance [Cms]	0.55 mm/N
Effective diaph. diameter [D]	212 mm
Effective piston area [Sd]	352 cm²
Equivalent volume [Vas]	95 l
Sensitivity (2.83V/1m)	- dB
Ratio Bl/√Re	- N/√W
Ratio fs/Qts	- Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	- Ω
Minimum impedance [Zmin]	- Ω
Maximum impedance [Zo]	- Ω
DC resistance [Re]	- Ω
Voice coil inductance [Le]	- mH

Power Handling	
100h RMS noise test (IEC 17.1)	- W
Long-term max power (IEC 17.3)	- W

Voice Coil & Magnet Data	
Voice coil diameter	- mm
Voice coil height	- mm
Voice coil layers	-
Height of gap	- mm
Linear excursion	± - mm
Max mech. excursion	± 28 mm
Unit weight	1.3 kg

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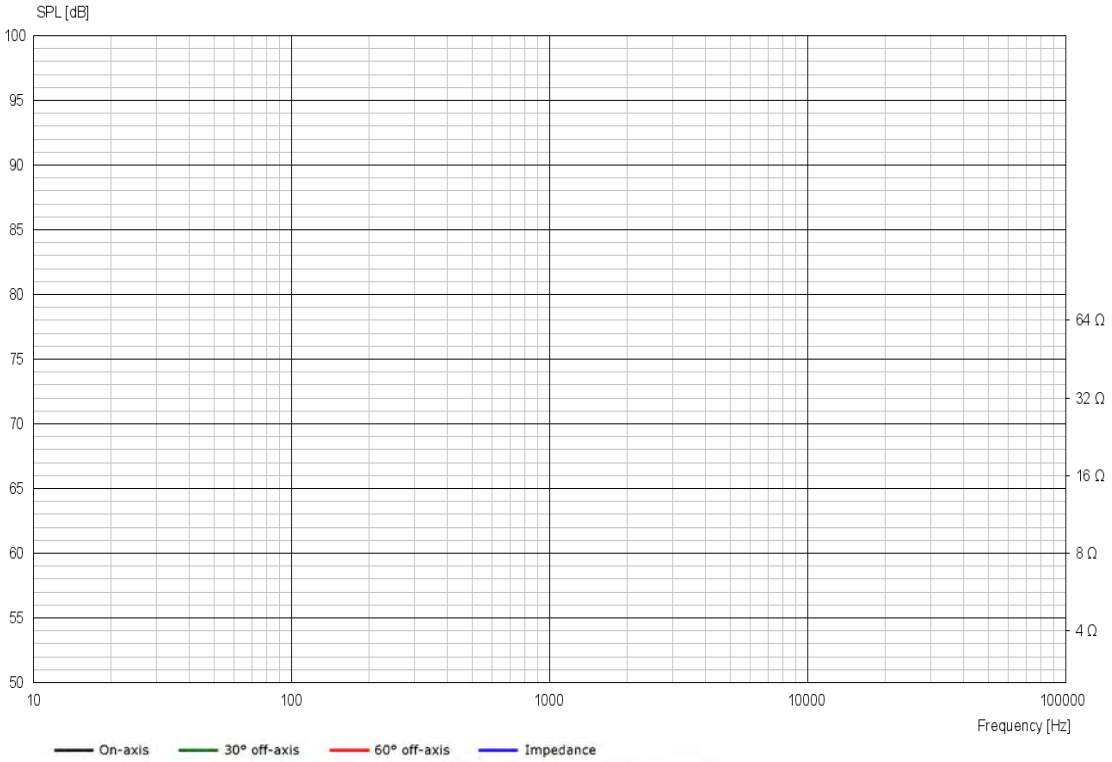
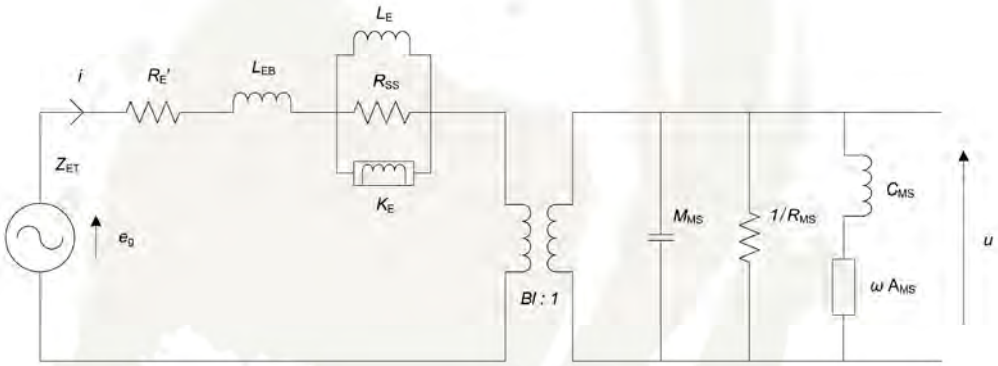


Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	400 g
Compliance [Cms]	0.51 mm/N
Mechanical resistance [Rms]	0.746 kg/s
Admittance [Ams]	0.0466 mm/N

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DISCOVERY

PASSIVE RADIATOR 30W/0-00-00

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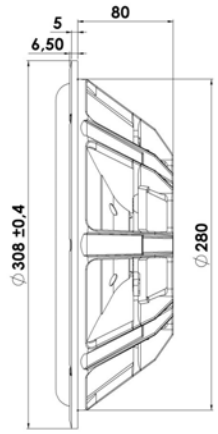

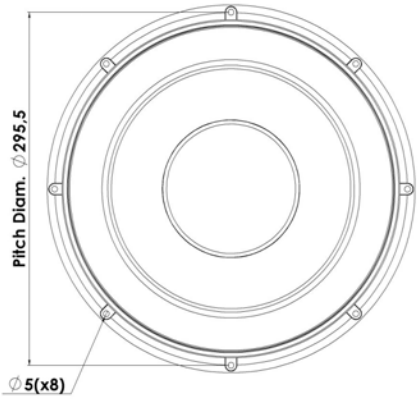

KEY FEATURES:

- Optimized for 30W/4558T00
- Rigid Black Aluminium Cone
- Die cast Alu Chassis
- Adjustable Weight for Optimum Fres
- Coated Sandwich Fibre Glass Dust Cap

T-S Parameters	
Resonance frequency [fs]	9.5 Hz
Mechanical Q factor [Qms]	14
Electrical Q factor [Qes]	-
Total Q factor [Qts]	-
Force factor [Bl]	- Tm
Mechanical resistance [Rms]	1.84 kg/s
Moving mass [Mms]	435 g
Compliance [Cms]	0.65 mm/N
Effective diaph. diameter [D]	244 mm
Effective piston area [Sd]	466 cm²
Equivalent volume [Vas]	200 l
Sensitivity (2.83V/1m)	- dB
Ratio Bl/√Re	- N/√W
Ratio fs/Qts	- Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	- Ω
Minimum impedance [Zmin]	- Ω
Maximum impedance [Zo]	- Ω
DC resistance [Re]	- Ω
Voice coil inductance [Le]	- mH

Power Handling	
100h RMS noise test (IEC 17.1)	- W
Long-term max power (IEC 17.3)	- W

Voice Coil & Magnet Data	
Voice coil diameter	- mm
Voice coil height	- mm
Voice coil layers	-
Height of gap	- mm
Linear excursion	± - mm
Max mech. excursion	± 28 mm
Unit weight	1.4 kg

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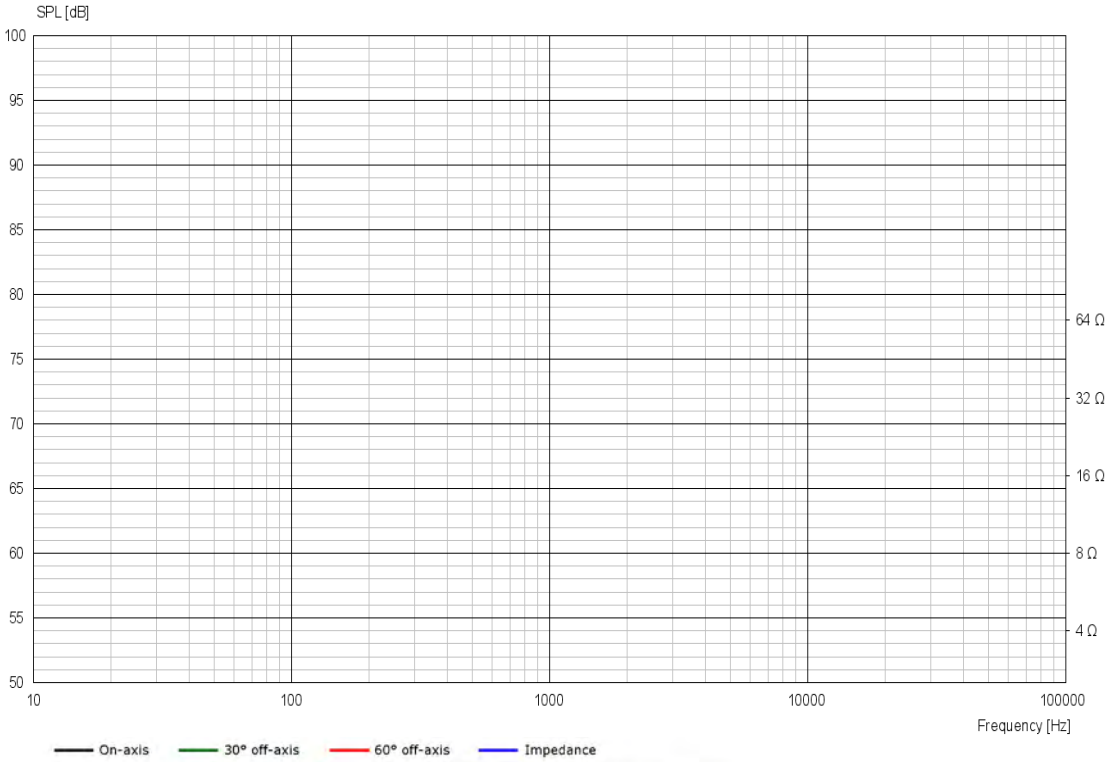
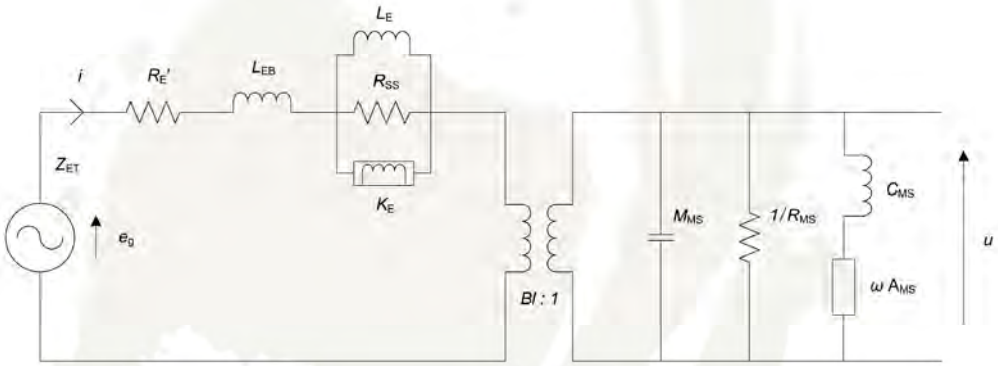
DISCOVERY

PASSIVE RADIATOR 30W/0-00-00



Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data	
Force Factor [Bl]	- Tm
Moving mass [Mms]	435 g
Compliance [Cms]	0.60 mm/N
Mechanical resistance [Rms]	0.155 kg/s
Admittance [Ams]	0.0965 mm/N

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