

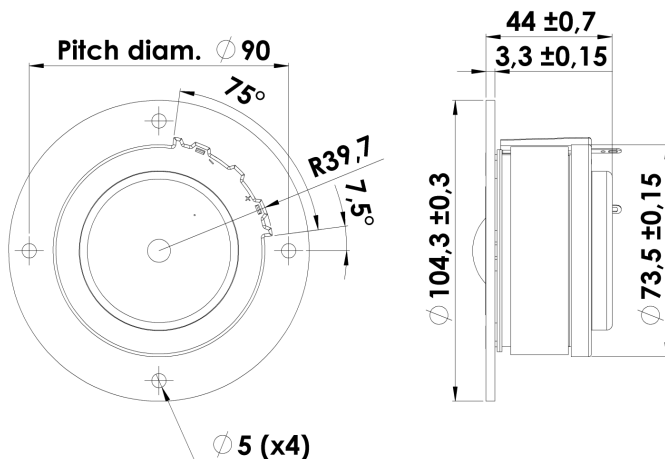


CLASSIC

TWEETER

D2905/970000

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
- 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 cm ²
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



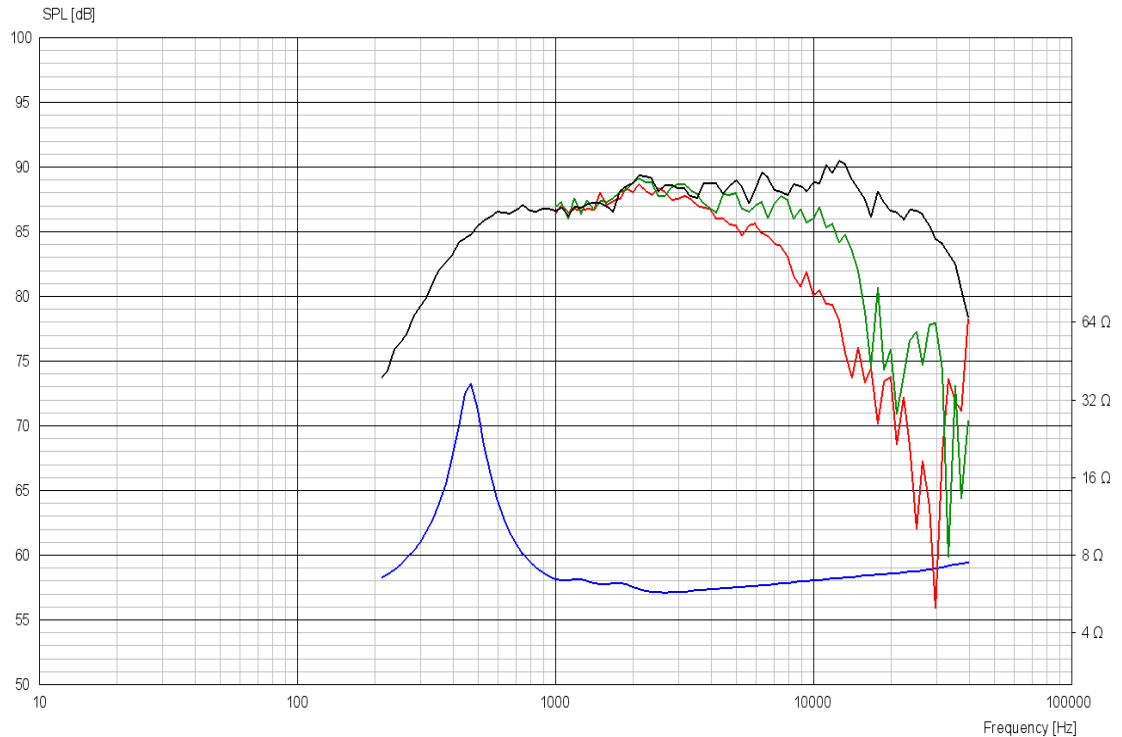
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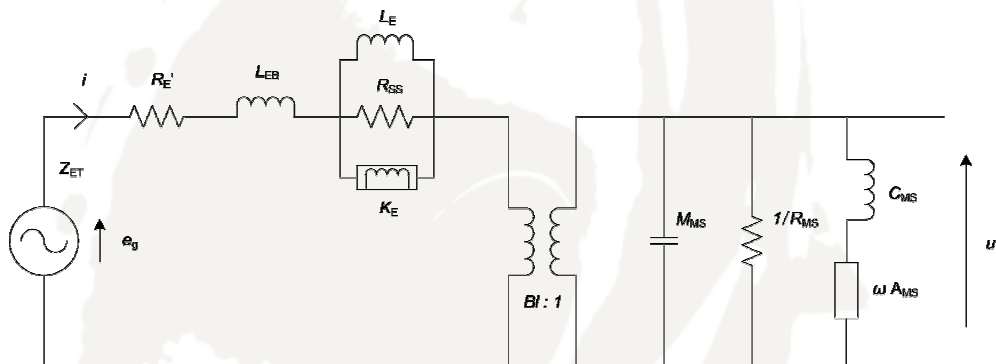
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Advanced Parameters (Preliminary)



Electrical data

Resistance [R _{E'}]	- Ω
Free inductance [L _{EB}]	- mH
Bound inductance [L _E]	- mH
Semi-inductance [K _E]	- SH
Shunt resistance [R _{SS}]	- Ω

Mechanical Data

Force Factor [B _l]	- Tm
Moving mass [M _{ms}]	- g
Compliance [C _{ms}]	- mm/N
Mechanical resistance [R _{ms}]	- kg/s
Admittance [A _{ms}]	- mm/N



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