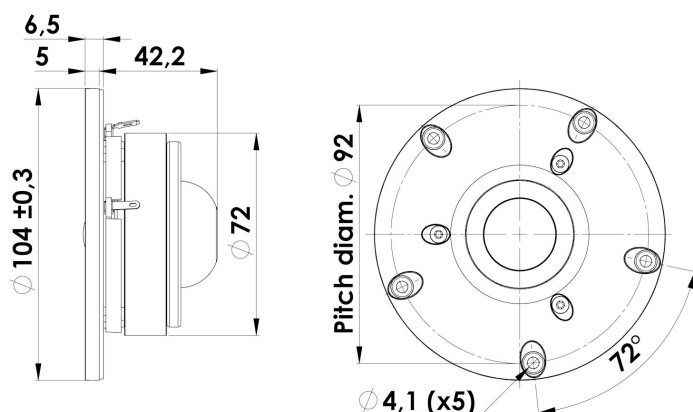# SCANSPEAK

TWEETER   D2604/832002

The LIMITED EDITION tweeter, are based on well known designs from our Discovery line, optimized and improved with technology features normally only seen in very exclusive tweeters, allowing you to build outstanding loudspeakers at rasonable pricing.

KEY FEATURES:

- Textile dome tweeter, wide surround
- Ferrite magnet system with copper cap
- Rear chamber for optimized low end extesion
- Voice coil with CCAW wire and Titanium bobbin
- Painted die cast Aluminum face plate
- Optimized internal airflow and dampening

T-S Parameters

Resonance frequency [fs]	500 Hz
Mechanical Q factor [Qms]	2.43
Electrical Q factor [Qes]	0.58
Total Q factor [Qts]	0.47
Force factor [Bl]	2.7 Tm
Mechanical resistance [Rms]	0.59 kg/s
Moving mass [Mms]	0.5 g
Compliance [Cms]	0.2 mm/N
Effective diaph. diameter [D]	30 mm
Effective piston area [Sd]	7 cm²
Equivalent volume [Vas]	- l
Sensitivity (2.83V/1m)	91.5 dB
Ratio Bl/√Re	1.6 N/√W
Ratio fs/Qts	1064 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: September 14, 2016

Electrical Data

Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.5 Ω
Maximum impedance [Zo]	13.5 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)	240 W

Voice Coil & Magnet Data

Voice coil diameter	26 mm
Voice coil height	2.3 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.1 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.55 kg

TWEETER

D2604/832002

Legend: On-axis, 30° off-axis, 60° off-axis, Impedance
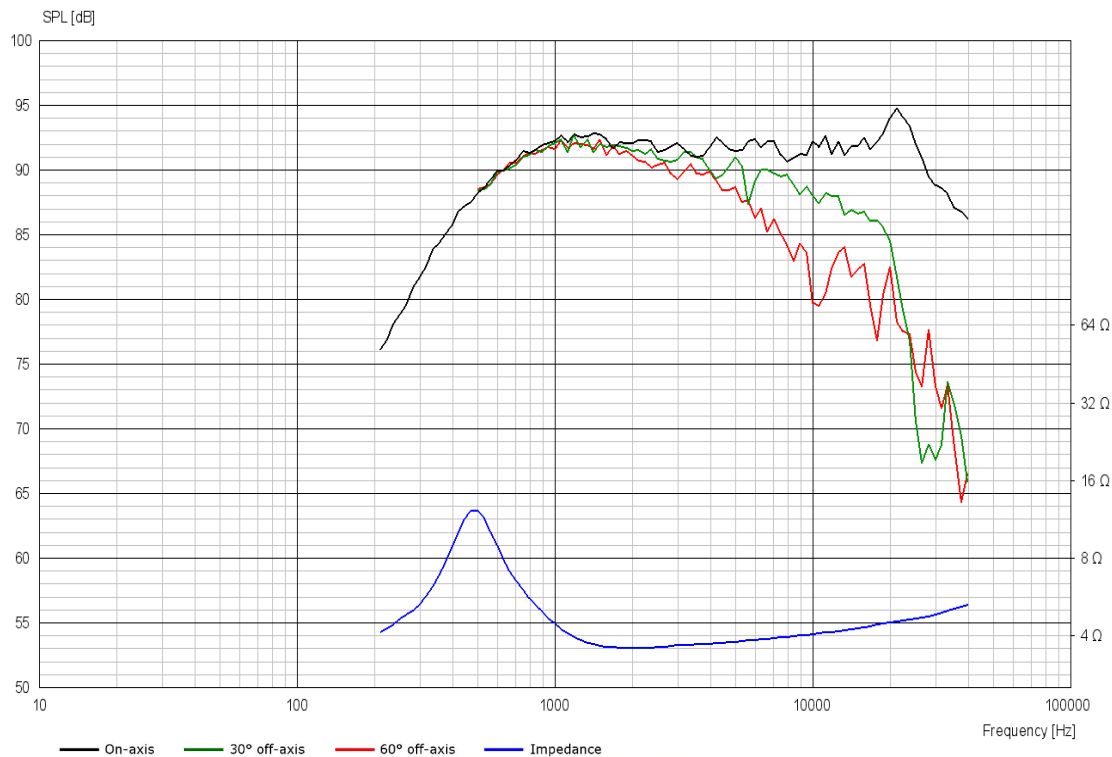
Advanced Parameters (Preliminary)
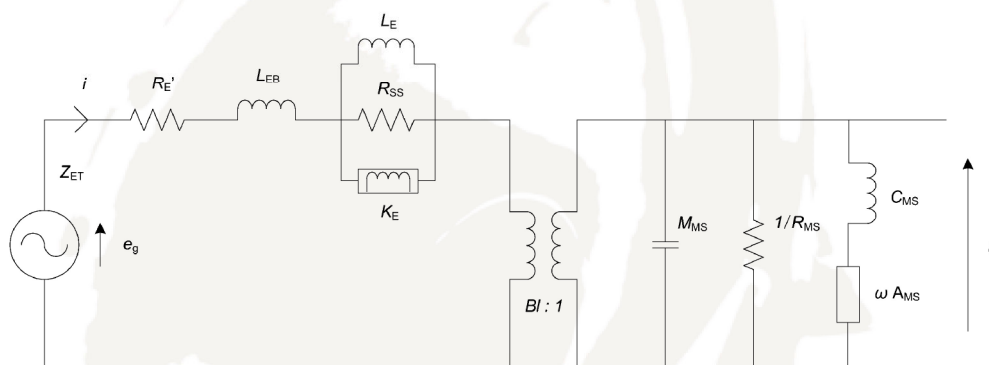
Electrical data		
Resistance [Re']		Ω
Free inductance [Leb]		mH
Bound inductance [Le]		mH
Semi-inductance [Ke]		SH
Shunt resistance [Rss]		Ω

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