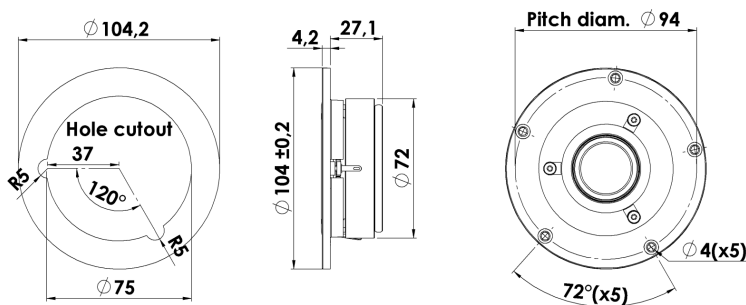# TWEETER

D2606/920000

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 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
Suspension 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

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

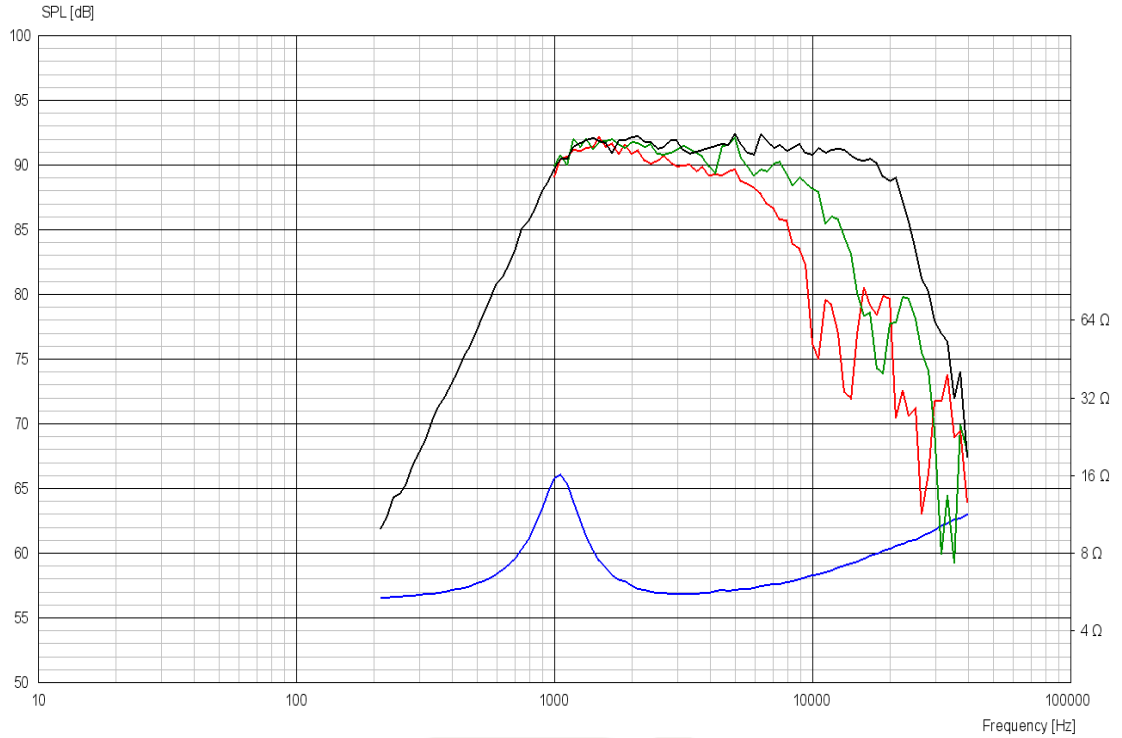|	
100h RMS noise test (IEC 17.1)*	100 W
Long-term max power (IEC 17.3)*	200 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil and 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	± - mm
Unit weight	0.5 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 29, 2011.

SPL [dB] vs Frequency [Hz]

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 resistance [Rams]	- mΩ·s