

Features :

- 137 mm aluminium-magnesium alloy dome
- Neodymium motor with copper sleeve and demodulation ring for low non linear and modulation distortion
- Multiwire voice coil configuration for different impedances
- Variable pitch overhung voice coil for improved linearity
- Titanium former for low mechanical losses
- 64 mm voice coil for low thermal compression
- Low loss rubber surround and BiMax spider from Dr. Kurt Müller
- Surround hidden in basket rim for reduced mounting diameter
- Thick aluminium powder coated basket
- Gold plated wire terminals
- Recommended frequency range up to 2,2 kHz

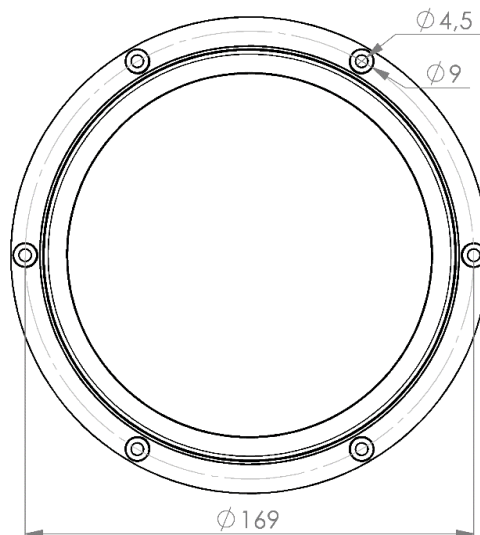
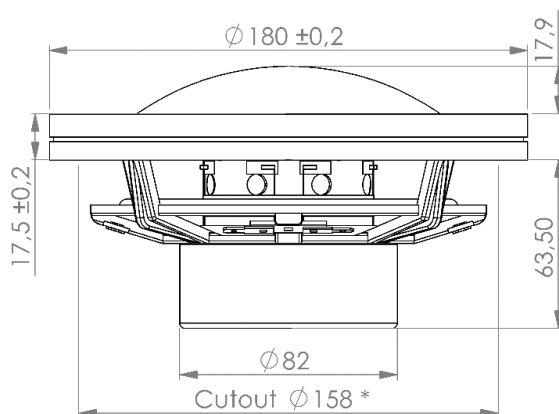
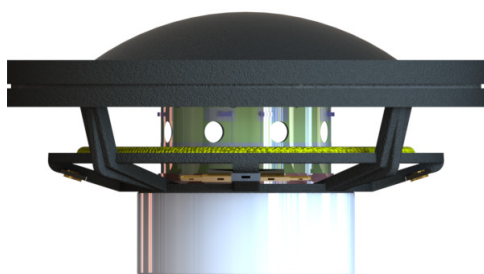
Specifications :

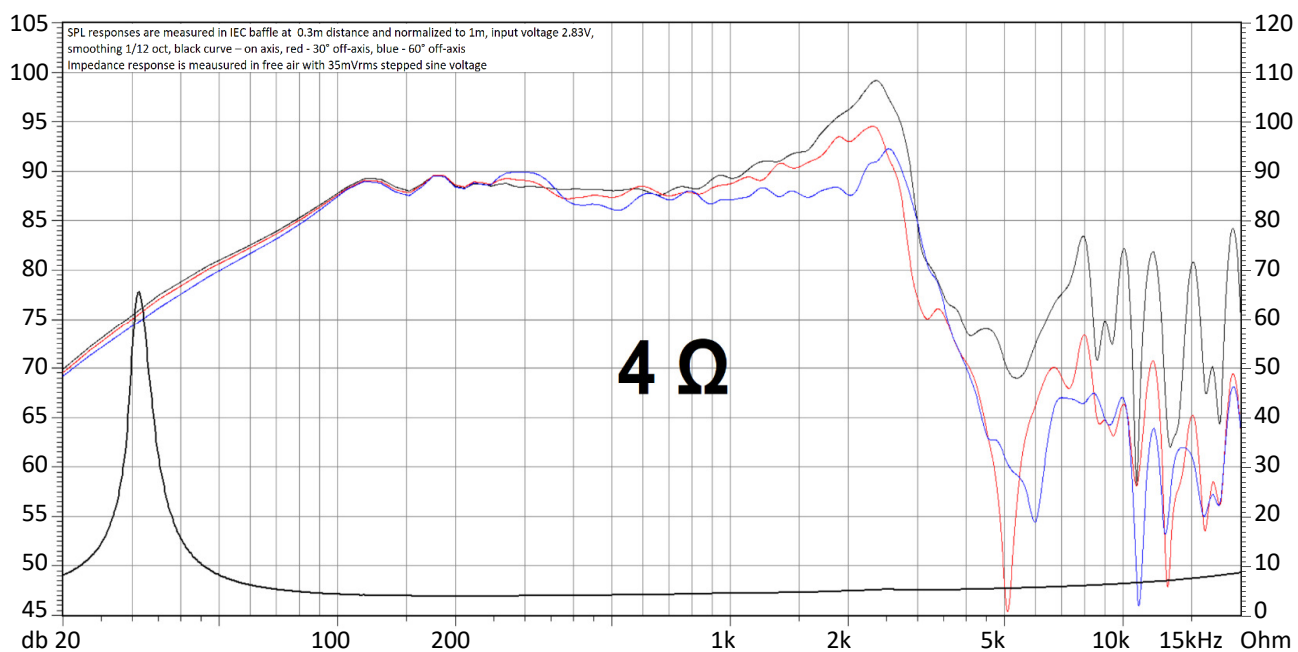
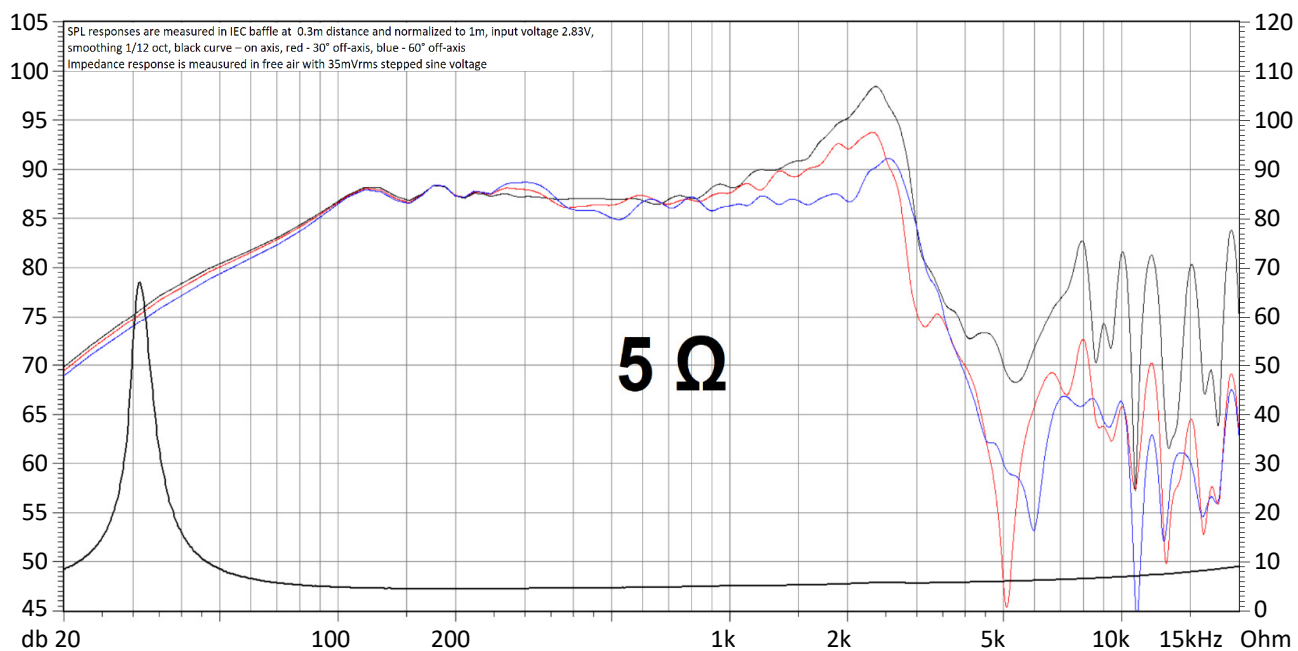
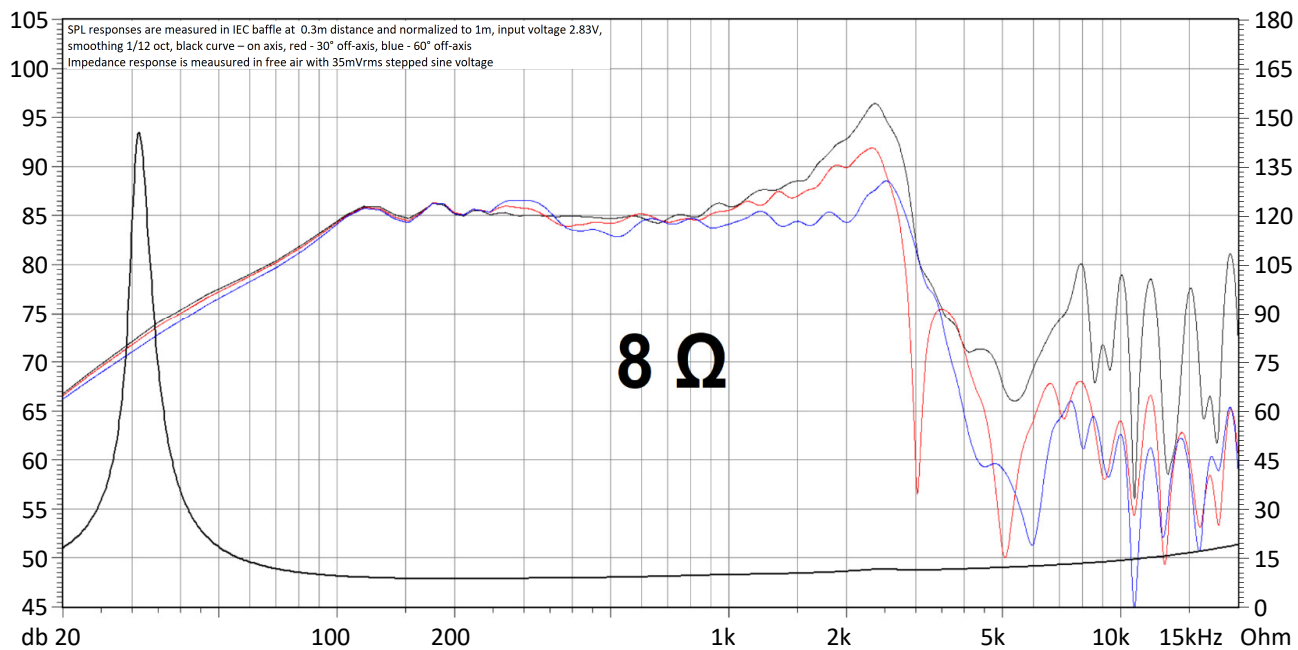
Nominal impedance	8 Ω	5 Ω	4 Ω
DC resistance, Re	7.8 Ω	4.0 Ω	3.4 Ω
Voice coil inductance, Le	0.13 mH	0.06 mH	0.06 mH
Sensitivity 2.83V/1m	85 dB	87.5 dB	88 dB
Force factor, Bl	10 T*m	6.7 T*m	6.7 T*m
Resonance frequency, Fs	31.5 Hz	31.5 Hz	31.5 Hz
Mechanical Q factor, Qms	7.12	7.25	7.35
Electrical Q factor, Qes	0.41	0.48	0.41
Total Q factor, Qts	0.39	0.45	0.39
Equivalent volume, Vas		40.9 L	
Effective piston area, Sd		175 cm ²	
Moving mass, Mms		27.1 g	

*Please refer to application notes

Mechanical resistance, Rms	0.75 kg/s
Compliance, Cms	0.94 mm/N
Magnetic flux density	1.2 T
Air gap height	4.5 mm
Linear excursion (p-p)	15 mm
Max. mech. Excursion (p-p)	24 mm
Voice coil diameter	64 mm
Voice coil height	19.5 mm
Voice coil layers	2
Wire material	CCAW + Cu
Rated power handling (RMS)	75 W
Net weight	1.6 kg

Specifications are subject to change without prior notice

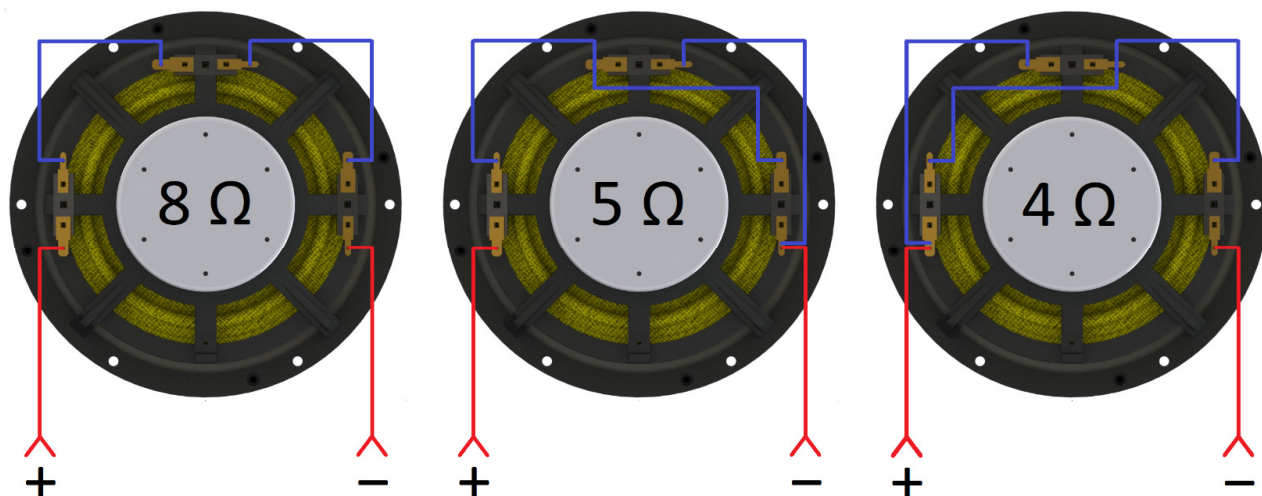




Application Notes

- W137A-854 has 3 independent voice coils. Using wiring diagram below, you can configure it to 8Ω, 5Ω or 4Ω on demand.

Wiring Diagram :



- We are recommending to use W137A-854 in bass reflex cabinet with following options* :

Configured to 8Ω or 4Ω :

	Vb	Fb	F-3
Option 1	20l	34.8Hz	43.0Hz
Option 2	24l	34.8Hz	38.9Hz
Option 3	30l	32.8Hz	34.6Hz
Option 4	35l	31.0Hz	32.7Hz

Configured to 5Ω :

	Vb	Fb	F-3
Option 1	30l	29.0Hz	33.6Hz
Option 2	35l	29.0Hz	30.8Hz
Option 3	40l	29.0Hz	29.1Hz
Option 4	45l	27.4Hz	27.4Hz

* with passive crossover circuit, using series inductor with 0.3 Ohm DCR