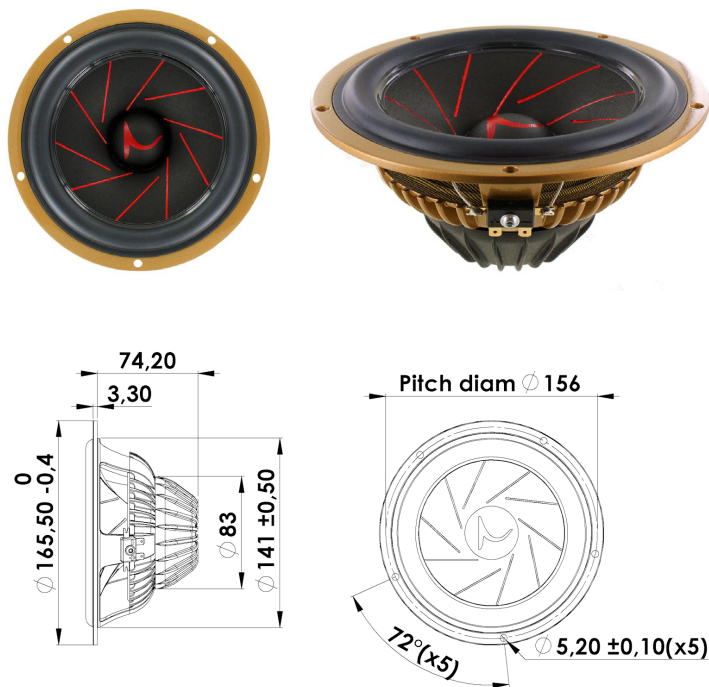


## 16 cm Midwoofer

## 16W/4538G05



### T-S Parameters:

Resonance frequency [fs]	36 Hz
Mechanical Q factor [Qms]	3.82
Electrical Q factor [Qes]	0.39
Total Q factor [Qts]	0.35
Force factor [Bl]	5.5 Tm
Mechanical resistance [Rms]	1 kg/s
Moving mass [Mms]	16.9 g
Compliance [Cms]	1.12 mm/N
Effective diaph. diameter [D]	125 mm
Effective piston area [Sd]	123 cm <sup>2</sup>
Equivalent volume [Vas]	24 l
Sensitivity (2,83V/1m)	90 dB

### Mechanical Data:

Voice coil diameter	38 mm
Voice coil height	17.2 mm
Voice coil layers	2
Gap height	4 mm
Linear excursion	± 6.6 mm
Max mech. excursion	± 13.5 mm
Unit weight	1 kg
Cabinet Displacement Volume	0.20 l

### Electrical Data:

Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.5 Ω
Maximum impedance [Zo]	35 Ω
DC resistance [Re]	3.1 Ω
Voice coil inductance [Le]	0.18 mH

### Power Handling:

100h RMS noise test (IEC 18.4)	70 W
Long-term max power (IEC 18.2)	125 W
X-over:	None

### Key Features:

- Sandwich Cone w. Slices
- Low-Loss linear suspension
- High Grade Compact Neo magnet System
- Patented Symmetrical Drive Motor Design
- Low Damping SBR Rubber Surround
- Robust Die cast Alu Chassis

### Recommendations (please see Tech Note):

- Operating frequency range: fs-5000 Hz
- Cabinet volume - closed box: Vbox=10 ltr, f(-3dB)=66 Hz
- Cabinet volume - vented box: Vbox=21 ltr, fb=38 Hz, f(-3dB)=38 Hz

