

● *Woofer model: AUGWL0013-JN05*

This 5.25 inch woofer, features 1.5 inch voice coil, pulp with carbon fiber cone, and ferrite magnet motor system. As for the selection of material, this series of speakers uses a new mixed material with pulp and 60% carbon fiber, it can greatly enhance the stiffness of the cone body and control range of the internal damping.

● *Transducer front and side images:*



● *Specifications:*

*T-S Parameters*

Resonance frequency [fs]	48.6 Hz
Mechanical Q factor [Qms]	2.076
Electrical Q factor [Qes]	0.409
Total Q factor [Qts]	0.341
Force factor [Bl]	5.714 Tm
Mechanical resistance [Rms]	1.825 kg/s
Moving mass [Mms]	12.414 g
Compliance [Cms]	0.865 mm/N
Effective diaph. diameter [D]	110 mm
Effective piston area [Sd]	95.03 cm <sup>2</sup>
Equivalent volume [Vas]	11.05 l
Sensitivity (2.83V/1m)	89 dB
Ratio Bl/√Re	3.05 N/√W
Ratio fs/Qts	142.52 Hz

*Electrical Data*

Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.38 Ω
Maximum impedance [Z0]	21.81 Ω
DC resistance [Re]	3.52 Ω
Voice coil inductance [Le]	0.129 mH

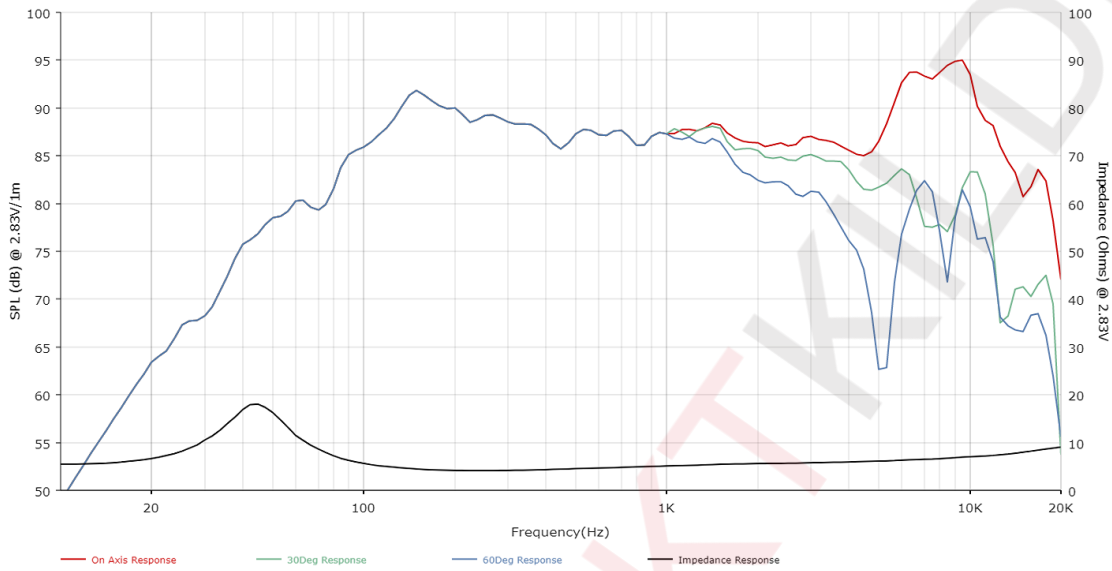
*Power Handling*

100h RMS noise test (IEC 17.1)	50 W
Long-term max power (IEC 17.3)	80 W

*Voice Coil & Magnet Data*

Voice coil diameter	35.5 mm
Voice coil height	15.6 mm
Voice coil layers	2
Height of gap	6 mm
Linear excursion	± 5 mm
Max mech. excursion	± 7 mm
Unit weight	1.53 kg

Frequency Response / Impedance Curve:



Transducer front and side images:

