PUNKTKILDE™

Datasheet updated: 21-11-2019

Woofer model: AUGWL0016-JN03

This 6.5 inch Woofer, features 2 inch voice coil, pulp with carbon fiber cone, and ferrite magnet motor system. As for the selection of material, this series of driver 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]	40.2 Hz
Mechanical Q factor [Qms]	2.298
Electrical Q factor [Qes]	0.364
Total Q factor [Qts]	0.314
Force factor [Bl]	6.726 Tm
Mechanical resistance [Rms]	2.116 kg/s
Moving mass [Mms]	19.265 g
Compliance [Cms]	0.815 mm/N
Effective diaph. diameter [D]	134 mm
Effective piston area [Sd]	141.03 cm²
Equivalent volume [Vas]	22.93 l
Sensitivity (2.83V/1m)	89 dB
Ratio Bl/√Re	3.65 N/√W
Ratio fs/Qts	128 Hz

Electrical Data

Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.99 Ω
Maximum impedance [Zo]	20.41 Ω
DC resistance [Re]	3.39 Ω
Voice coil inductance [Le]	0.156 mH

Power Handling

100h RMS noise test (IEC 18.4)	80 W
Long-term max power (IEC 18.2)	100 W

Voice Coil & Magnet Data

Voice coil diameter	49.55 mm
Voice coil height	16 mm
Voice coil layers	2
Height of gap	6 mm
Linear excursion	± 5 mm
Max mech. excursion	± - mm
Unit weight	2.4 kg

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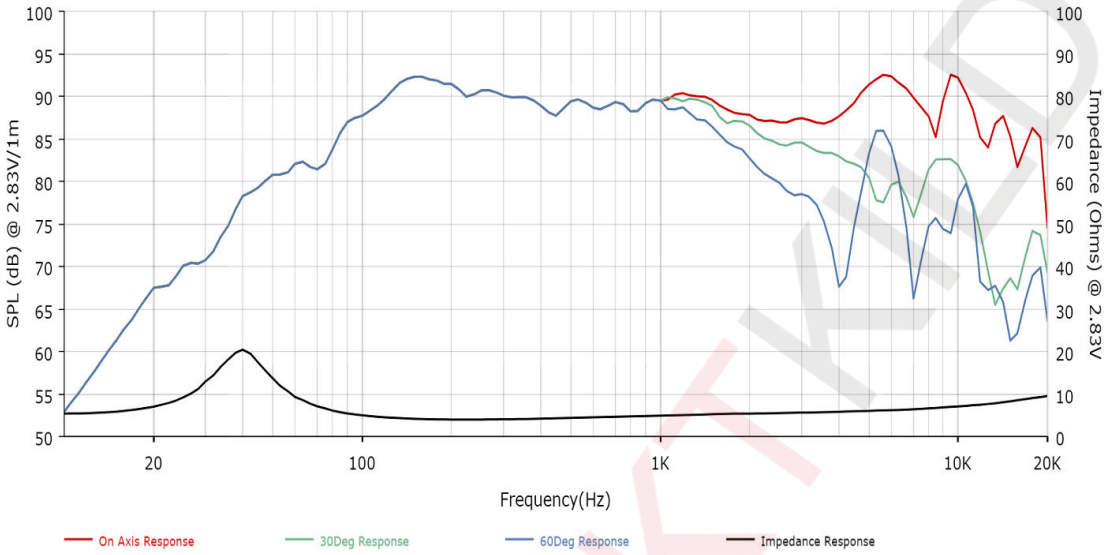
Frequency Response / Impedance Curve:



Transducer front and side images: