PUNKTKILDE®

Datasheet updated: 18-10-2022

Woofer model: AUGWL1041-JN01

This ultimate 4 inch woofer unit have been newly designed with customized Steel frame, 1.2 inch EISVW voice coil, upgraded Paper cone and Ferrite magnet motor system to provide great heavy bass sound quality with low distortions. This driver is the new benchmark for strong woofer taste audiences.

Transducer front and side images:

Prototype

Specifications:

T-S Parameters	
Resonance frequency [fs]	45 Hz
Mechanical Q factor [Qms]	8.12
Electrical Q factor [Qes]	0.716
Total Q factor [Qts]	0.658
Force factor [Bl]	4.3 Tm
Mechanical resistance [Rms]	0.71 kg/s
Moving mass [Mms]	18.15 g
Compliance [Cms]	0.54 mm/N
Effective diaph. diameter [D]	8.4 mm
Effective piston area [Sd]	55.42 cm²
Equivalent volume [Vas]	2.36 l
Sensitivity (2.83V/1m)	83 dB
Ratio Bl/√Re	2.83 N/√W
Ratio fs/Qts	68.38 Hz

Electrical Data	
Nominal impedance [Zn]	3 Ω
Minimum impedance [Zmin]	2.5 Ω
Maximum impedance [Zo]	22 Ω
DC resistance [Re]	2.3 Ω
Voice coil inductance [Le]	0.21 mH

Power Handling	
100h RMS noise test (IEC 18.4)	30 W
Long-term max power (IEC 18.2)	- W

Voice Coil & Magnet Data	
Voice coil diameter	30.5 mm
Voice coil height	23.7 mm
Voice coil layers	2
Height of gap	6 mm
Linear excursion	± 8.85 mm
Max mech. excursion	± - mm
Unit weight	1.38 kg

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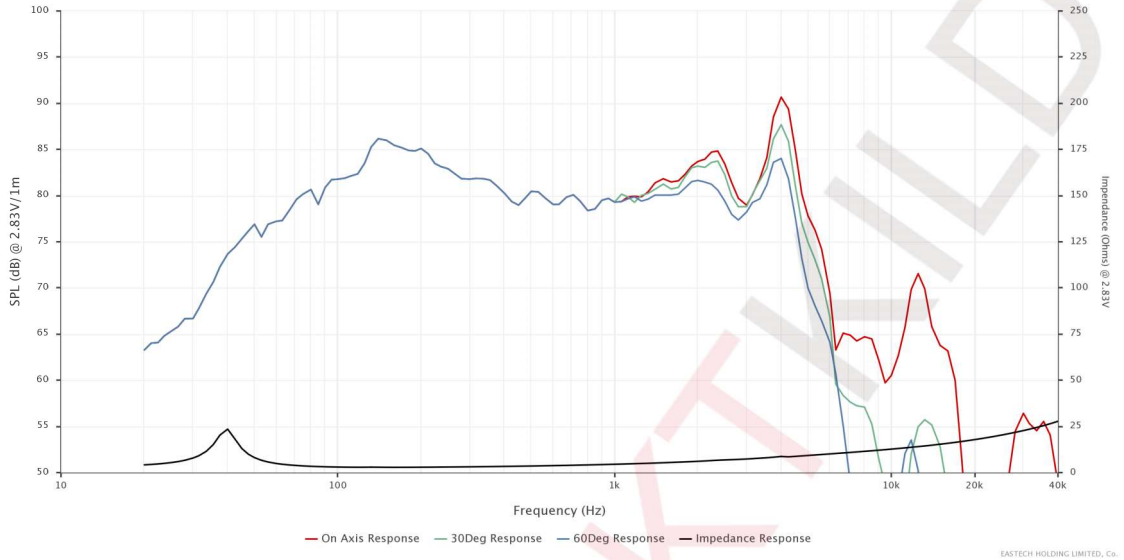
Frequency Response / Impedance Curve:



Transducer front and side images: