PUNKTKILDE™

Datasheet updated: 09-08-2019

Woofer model: AUGWL0010–JN01

This 4inch 8ohm woofer driver features a powerful ferrite magnet system, with Al shorting ring to lower coil inductance and distortion. The long-throw voice coil ensures linear high excursion. The die cast frame offers structural rigidity, heat sinking capacity for motor, and additional air venting under spider so as to reduce air compression effects.

Transducer front and side images:

Specifications:

T-S Parameters

Resonance frequency [fs]	80 Hz
Mechanical Q factor [Qms]	7.797
Electrical Q factor [Qes]	0.885
Total Q factor [Qts]	0.795
Force factor [Bl]	5.27 Tm
Mechanical resistance [Rms]	0.411 kg/s
Moving mass [Mms]	6.326 g
Compliance [Cms]	0.617 mm/N
Effective diaph. diameter [D]	83.5 mm
Effective piston area [Sd]	54.76 cm²
Equivalent volume [Vas]	2.619 l
Sensitivity (2.83V/1m)	82 dB
Ratio Bl/√Re	1.9 N/√W
Ratio fs/Qts	100.6 Hz

Electrical Data

Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	8.3 Ω
Maximum impedance [Zo]	58.3 Ω
DC resistance [Re]	7.6 Ω
Voice coil inductance [Le]	0.349 mH

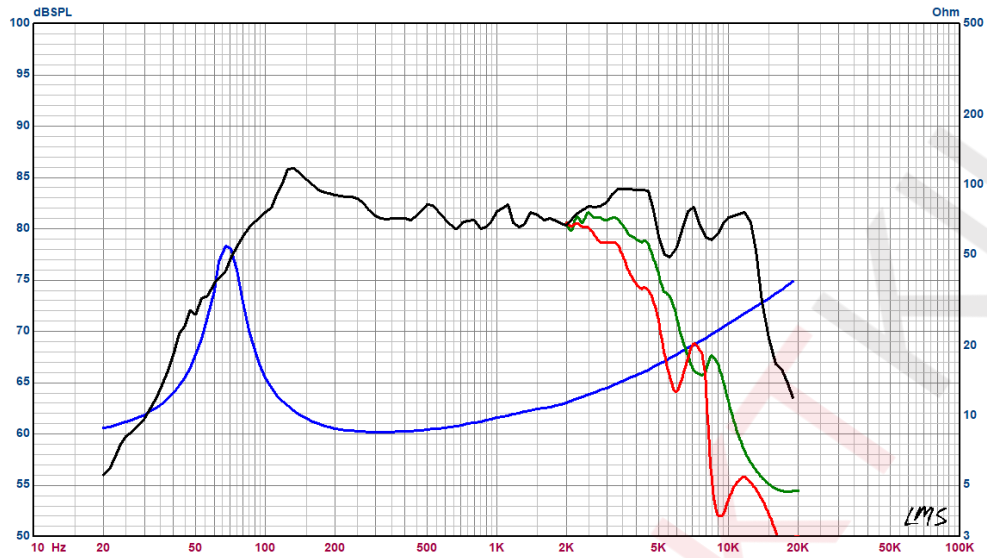
Power Handling

100h RMS noise test (IEC 17.1)	30 W
Long-term max power (IEC 17.3)	- W

Voice Coil & Magnet Data

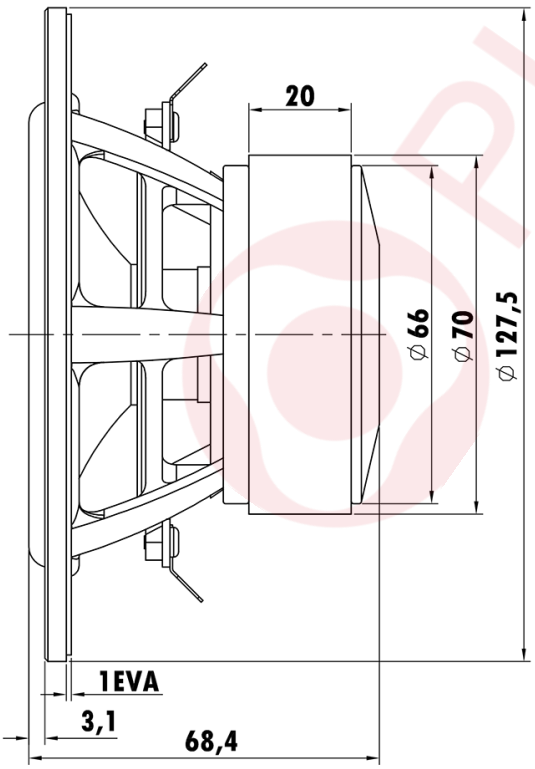
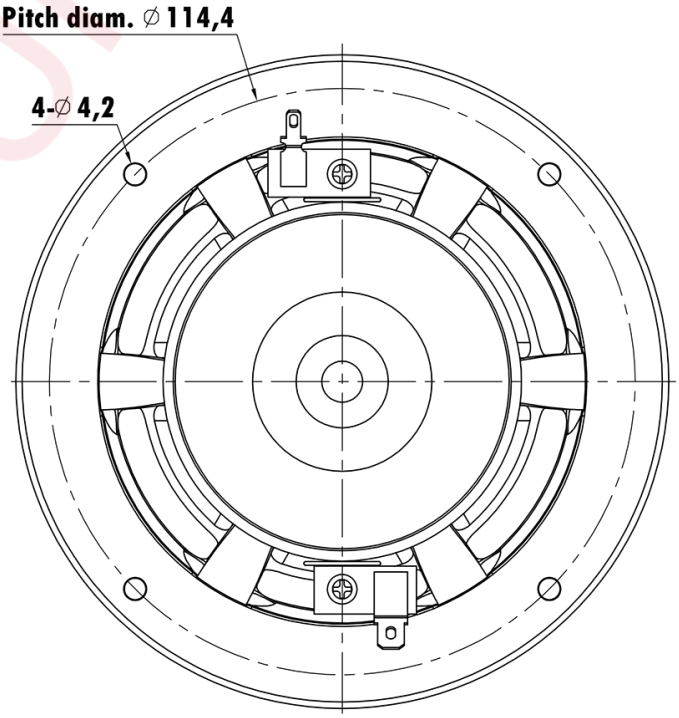
Voice coil diameter	25.4 mm
Voice coil height	15.4 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 5.2 mm
Max mech. excursion	± - mm
Unit weight	0.762 kg

Frequency Response / Impedance Curve:



60° Off- axis

30° Off- axis

On - axis

Transducer front and side images: