

● *Woofer model: AUGWL0030-JN02*

This 12inch 8ohm Woofer driver features a strong ferrite magnet with bump bottom plate and long-throw voice coil, which has high excursion. The distortion can be decreased by AL short circuit ring at low frequency, the semi-pressed paper cone uses a new mixed material of 40% pulp and 60% carbon fiber to make the sound stronger and sonorous. Beyond that, the wonderful collocation of foamed rubber surrounding, CCAW and short circuit ring can provide high SPL and extended high frequency. The cast aluminum frame can provide strong support to ensure no resonance at low frequency.

● *Transducer front and side images:*



● *Specifications:*

T-S Parameters

Resonance frequency [fs]	34 Hz
Mechanical Q factor [Qms]	6.220
Electrical Q factor [Qes]	0.425
Total Q factor [Qts]	0.398
Force factor [Bl]	15.0 Tm
Mechanical resistance [Rms]	2.642 kg/s
Moving mass [Mms]	77.521 g
Compliance [Cms]	0.287 mm/N
Effective diaph. diameter [D]	26.0 mm
Effective piston area [Sd]	530.93 cm ²
Equivalent volume [Vas]	114.5 l
Sensitivity (2.83V/1m)	91 dB
Ratio Bl/√Re	6.41 N/√W
Ratio fs/Qts	85.4 Hz

Electrical Data

Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.5 Ω
Maximum impedance [Zo]	33 Ω
DC resistance [Re]	5.5 Ω
Voice coil inductance [Le]	0.391 mH

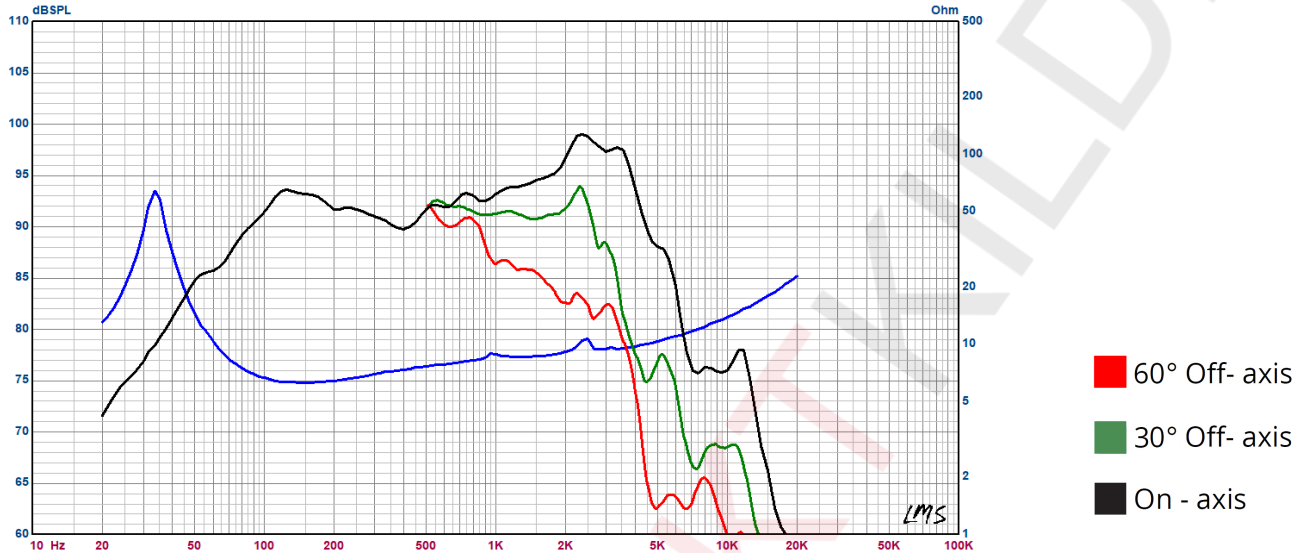
Power Handling

100h RMS noise test (IEC 17.1)	100 W
Long-term max power (IEC 17.3)	200 W

Voice Coil & Magnet Data

Voice coil diameter	75.5 mm
Voice coil height	20.5 mm
Voice coil layers	1
Height of gap	13 mm
Linear excursion	± 3.75 mm
Max mech. excursion	± - mm
Unit weight	7.5 kg

● Frequency Response / Impedance Curve:



● Transducer front and side images:

