

U8010

VERIFIED WITH
KLIPPEL

☀️ 10 inch ☀️ 280 Watts
☀️ 97 dB ☀️ 55 ~ 3600 Hz



KEY FEATURES:

- 560 W continuous program power capacity
- High output, 97dB sensitivity 1w/1m
- Very smooth response up to 2.1kHz
- 65mm(2.5") copper clad aluminum voice coil, wound on fiberglass former
- Unique eight-sided (Octagon) die-cast aluminum basket
- FEA optimized magnetic circuit; the colorful aluminum ring on the back for print
- Ideal for compact reflex enclosures and two way systems

GENERAL SPECIFICATIONS

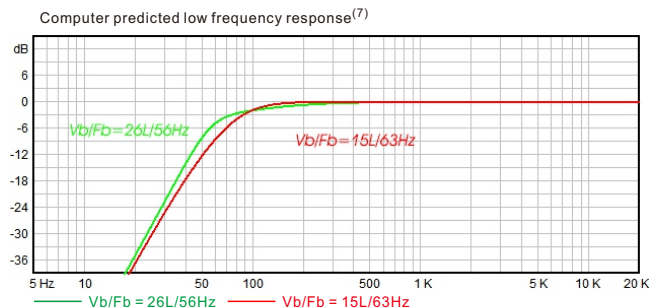
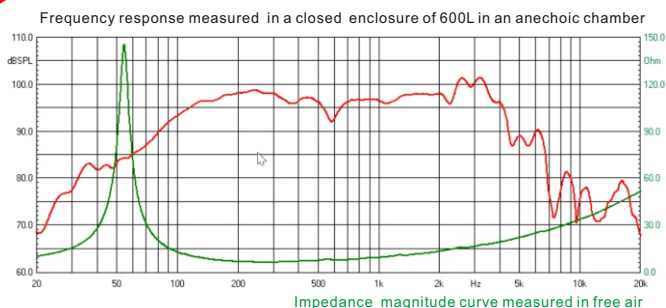
Nominal Diameter	250mm /10inch
Rated Impedance	8 ohm
Nominal Power handling ¹	280 Watts
Program Power ²	560 Watts
Sensitivity(1w/1m) ³	97 dB
Frequency Range ⁴	55 ~ 3600Hz
Minimum Impedance(Zmin)	6.0 ohm
Voice Coil Diameter	65mm /2.5inch
Voice Coil Material	CCAW
Former Material	Fiberglass
Voice Coil Winding Depth	16 mm
Number of layers	2
Magnet gap depth	8 mm
Basket	Cast Aluminum
Flux Density	1.2T
Magnet Out Diameter/Wgt	170mm / 60 oz

THIELE - SMALL PARAMETERS⁵

Resonance frequency	Fs	55 Hz
DC resistance	Re	5.0 ohm
Mechanical factor	Qms	9.0
Electrical factor	Qes	0.34
Total factor	Qts	0.33
Mechanical compliance	Cms	0.22 mm/N
Mechanical resistance of total-driver losses	Rms	1.45 kg/s
Effective Moving Mass	Mms	37.7 g
Half-space efficiency	Eff	1.8%
BL Factor	BL	14.0 T.m
Equivalent Cas air load	Vas	37.6 liters
Effective piston area	Sd	0.0346 m ²
Max. linear excursion ⁶	Xmax	±6.0 mm
Max. excursion before damage	Xdam	±17 mm
Voice coil inductance(1kHz)	Le	0.68 mH
Efficiency Bandwidth Product	EBP	162

MOUNTING INFORMATION

Overall Diameter	264 mm
Bolt Circle Diameter	264 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	223 mm
Overall Depth	114 mm
Air volume occupied by driver	1.9 liters
Net Weight	4.8 kg
Shipping Weight	5.3 kg
Shipping Box	275x275x130mm



NOTES:

- AES standard
- Program Power is defined as 3 dB greater than the nominal power handling.
- Sensitivity is measured at 1W input on rated impedance at 1m on axis.
- Frequency range is defined as the band of frequencies delineated by the lower and upper limits where the output level drops by 10dB below the rated sensitivity.
- Thiele-Small parameters are measured with Klippel DA LPM module after an AES power preconditioning test and represent the expected long term parameters after a short term of use.
- The maximum linear excursion is calculated as: $(Hvc-Hg)/2+Hg/4$ where Hvc is the voice coil depth and Hg is the gap depth.
- Vb: Net internal volume of box after subtracting the volume of internal objects.