

# BLIO-65

☀️ 10 inch ☀️ 300 Watts  
☀️ 94 dB ☀️ 61 ~ 4000 Hz



## KEY FEATURES:

- ① 600W continuous program power capacity
- ② 94dB sensitivity, 1w/1m
- ③ 65mm(2.5") copper clad aluminum voice coil with fiberglass former
- ④ FEA optimized magnet system design for lower distortion and minimum power compression
- ⑤ Aluminum demodulating ring for lower distortion
- ⑥ Ideal for high quality compact 2 or 3-way systems

## GENERAL SPECIFICATIONS

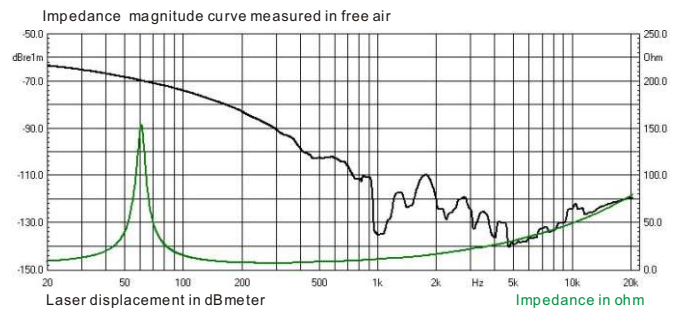
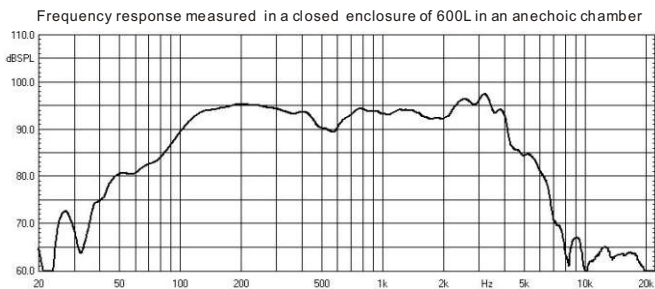
Nominal Diameter	250mm /10inch
Rated Impedance	8 ohm
Nominal Power handling <sup>1</sup>	300 Watts
Program Power <sup>2</sup>	600 Watts
Sensitivity(1w/1m) <sup>3</sup>	94 dB
Frequency Range <sup>4</sup>	61 ~ 4000 Hz
Minimum Impedance(Zmin)	6.6 ohm
Voice Coil Diameter	65mm /2.5inch
Voice Coil Material	CCAW
Former Material	Glass Fiber
Voice Coil Winding Depth	15 mm
Number of layers	4
Magnet gap depth	9.5 mm
Basket	Cast Aluminum
Flux Density	0.8T
Magnet Outer Diameter / Wgt	156mm / 52 oz

## THIELE - SMALL PARAMETERS<sup>5</sup>

Resonance frequency	Fs	61 Hz
DC resistance	Re	5.3 ohm
Mechanical factor	Qms	10.7
Electrical factor	Qes	0.38
Total factor	Qts	0.36
Mechanical compliance of suspension losses	Cms	0.16 mm/N
Effective Moving Mass	Rms	1.5mech-ohm
Half-space efficiency	Mms	41 g
BL Factor	Eff	1.68%
Equivalent Cas air load	BL	15 T.m
Effective piston area	Vas	29 liters
Max. linear excursion <sup>6</sup>	Sd	0.0356 m <sup>2</sup>
Voice coil inductance	Xmax	5.5 mm
Efficiency Bandwidth Product	Le1K	1.03 mH
	EBP	162

## MOUNTING INFORMATION

Overall Diameter	266 mm
Bolt Circle Diameter	252 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	232 mm
Overall Depth	117 mm
Net Weight	4.9 kg
Shipping Weight	5.5 kg
Shipping Box	275x275x145mm



## NOTES:

1. AES standard
2. Program Power is defined as 3 dB greater than the nominal power handling.
3. Sensitivity is measured at 1W input on rated impedance at 1m on axis.
4. 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.
5. T/S parameters measured with laser system without preconditioning test at 23 Celsius degree environment.
6. 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.