

**V3006m / I6** Code:21072

☀ **6.5 inch** ☀ **100 Watts**  
 ☀ **93 dB** ☀ **81 ~ 6000 Hz**

**KEY FEATURES:**

- ① 200 W continuous program power capacity
- ② 93dB Sensitivity 1w/1m
- ③ 81 ~ 6000Hz frequency response range
- ④ 38mm(1.5") CCAW wire wound on fiberglass
- ⑤ FEA optimized magnet system design for lower distortion
- ⑥ Waterproof cone treatment
- ⑦ Ideal for the use in 2-way line array as mid-bass or 3-way system as midrange

**GENERAL SPECIFICATIONS**

Nominal Diameter	170mm /6.5inch
Rated Impedance	16 ohm
Nominal Power handling <sup>1</sup>	100 Watts
Program Power <sup>2</sup>	200 Watts
Sensitivity(1w/1m) <sup>3</sup>	93 dB
Frequency Range <sup>4</sup>	81 ~ 6000Hz
Minimum Impedance(Zmin)	13.1 ohm
Voice Coil Diameter	38mm /1.5inch
Voice Coil Material	CCA W
Former Material	Fiberglass
Voice Coil Winding Depth	11 mm
Number of layers	2
Magnet gap depth	6 mm
Basket	Cast Aluminum
Flux Density	1.1T
Magnet Out Diameter/Wgt	115mm / 28 oz

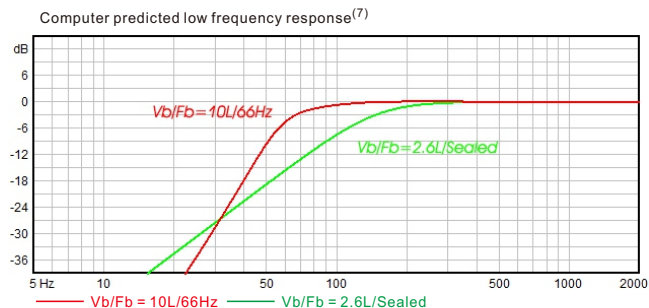
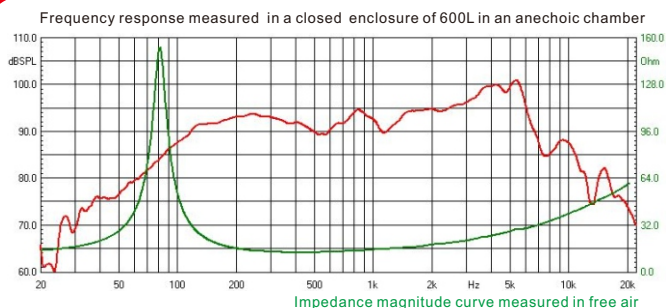
**THIELE - SMALL PARAMETERS<sup>5</sup>**

Resonance frequency	Fs	81 Hz
DC resistance	Re	11.3 ohm
Mechanical factor	Qms	6.5
Electrical factor	Qes	0.52
Total factor	Qts	0.48
Mechanical compliance	Cms	0.27mm/N
Mechanical resistance of total-driver losses	Rms	1.1 kg/s
Effective Moving Mass	Mms	14 g
Half-space efficiency	Eff	0.7%
BL Factor	BL	12.5 T.m
Equivalent Cas air load	Vas	7 liters
Effective piston area	Sd	0.0135 m <sup>2</sup>
Max. linear excursion <sup>6</sup>	Xmax	± 4 mm
Max. excursion before damage	Xdam	±9.5mm
Voice coil inductance(1kHz)	Le	0.64 mH
Efficiency Bandwidth Product	EBP	156

**MOUNTING INFORMATION**

Overall Diameter	162 mm
Bolt Circle Diameter	172 mm
Bolt Hole Diameter	5 mm
Baffle Cutout Diameter	147 mm
Overall Depth	78 mm
Air volume occupied by driver	0.7 liters
Net Weight	2.0 kg
Shipping Weight	2.2 kg
Shipping Box	172x172x95mm

*Also available in 8ohm, data upon request.*

**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 BEFORE preconditioning test.
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.
7. Vb: Net internal volume of box after subtracting the volume of internal objects.