

V3008m/16

- ☀ 8 inch
- ☀ 150 Watts
- ☀ 95 dB
- ☀ 70 ~ 5500 Hz



KEY FEATURES:

- ① 300 W continuous program power capacity
- ② High sensitivity 95dB/1w/1m
- ③ Very smooth response up to 5.5k Hz
- ④ 2" inside/outside copper clad aluminum voice coil wound on polyimide former
- ⑤ Weather protected cone for outdoor usage
- ⑥ Aluminum demodulating ring for very low distortion
- ⑦ Inverted dust cap to minimize the cone distortion and for better coupling to a phase plug
- ⑧ Optimized for the use in line array systems

GENERAL SPECIFICATIONS

Nominal Diameter	200mm /8inch
Rated Impedance	16 ohm
Nominal Power handling ¹	150 Watts
Program Power ²	300 Watts
Sensitivity(1w/1m) ³	95 dB
Frequency Range ⁴	70 ~ 5500Hz
Minimum Impedance(Zmin)	14.5 ohm
Voice Coil Diameter	50mm /2inch
Voice Coil Material	CCAW
Former Material	Polyimide
Voice Coil Winding Depth	14 mm
Number of layers	2(inside/outside)
Magnet gap depth	8 mm
Basket	Cast Aluminum
Flux Density	1.3T
Magnet Outer Diameter / Wgt	140mm / 45 oz

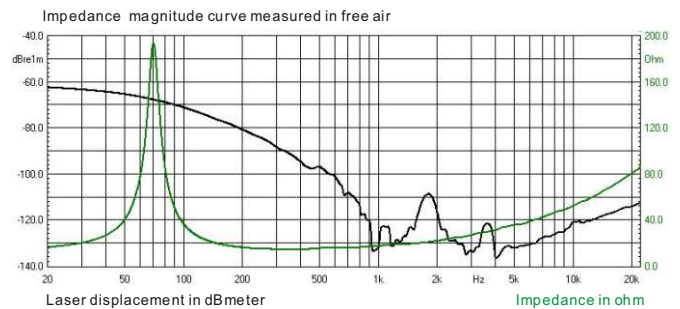
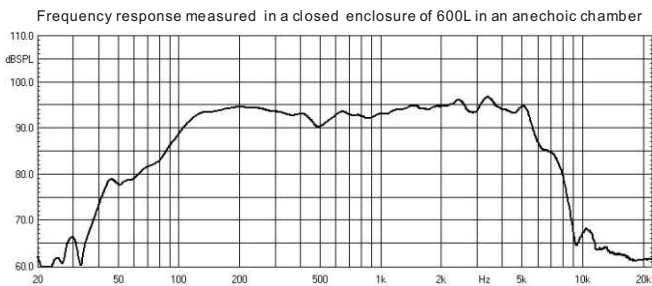
THIELE - SMALL PARAMETERS⁵

Resonance frequency	Fs	70 Hz
DC resistance	Re	12.6 ohm
Mechanical factor	Qms	7.5
Electrical factor	Qes	0.52
Total factor	Qts	0.49
Mechanical compliance of suspension losses	Cms	0.24 mm/N
Effective Moving Mass	Mms	21.5 g
Half-space efficiency	Eff	1.0%
BL Factor	BL	15.1 T.m
Equivalent Cas air load	Vas	15.5 liters
Effective piston area	Sd	0.0216 m ²
Max. linear excursion ⁶	Xmax	6 mm
Voice coil inductance	Le1K	0.98 mH
Efficiency Bandwidth Product	EBP	134

MOUNTING INFORMATION

Overall Diameter	208.5 mm
Bolt Circle Diameter	196 mm
Bolt Hole Diameter	5.5 mm
Baffle Cutout Diameter	187 mm
Overall Depth	100 mm
Net Weight	3.2 kg
Shipping Weight	3.6 kg
Shipping Box	220x220x110mm

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 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.