

# ND9008m

- 8 inch
- 200 Watts
- 96 dB
- 88 ~ 6000 Hz



## KEY FEATURES:

- ① 400 W continuous program power capacity
- ② High sensitivity 96dB/1w/1m
- ③ Extended mid range response up to 6000Hz
- ④ 2" copper clad aluminum voice coil wound on polyimide former
- ⑤ Neodymium magnet system
- ⑥ Aluminum demodulating ring for low distortion
- ⑦ Ideal for midrange or line array applications

### GENERAL SPECIFICATIONS

Nominal Diameter	200mm /8inch
Rated Impedance	8 ohm
Nominal Power handling <sup>1</sup>	200 Watts
Program Power <sup>2</sup>	400 Watts
Sensitivity(1w/1m) <sup>3</sup>	96 dB
Frequency Range <sup>4</sup>	88 ~ 6000Hz
Minimum Impedance(Zmin)	7 ohm
Voice Coil Diameter	50mm /2inch
Voice Coil Material	CCAW
Former Material	Polyimide
Voice Coil Winding Depth	14.5 mm
Number of layers	2
Magnet gap depth	8 mm
Basket	Cast Aluminum
Flux Density	1.6T
Magnet material	Neodymium

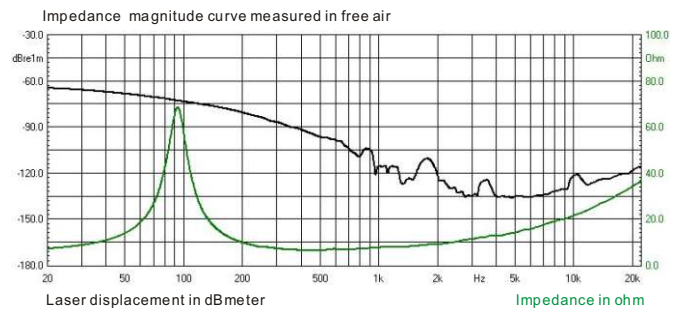
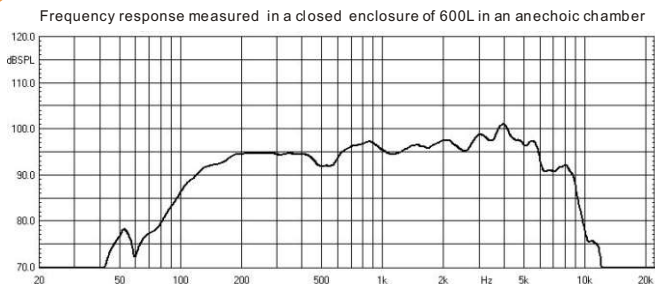
### THIELE - SMALL PARAMETERS<sup>5</sup>

Resonance frequency	Fs	93 Hz
DC resistance	Re	5.4 ohm
Mechanical factor	Qms	4.6
Electrical factor	Qes	0.4
Total factor	Qts	0.36
Mechanical compliance of suspension losses	Cms	0.13 mm/N
Effective Moving Mass	Mms	22.1 g
Half-space efficiency	Eff	1.7%
BL Factor	BL	13.3 T.m
Equivalent Cas air load	Vas	8.8 liters
Effective piston area	Sd	0.0219 m <sup>2</sup>
Max. linear excursion <sup>6</sup>	Xmax	5 mm
Voice coil inductance	Le1K	0.32 mH
Efficiency Bandwidth Product	EBP	232

### MOUNTING INFORMATION

Overall Diameter	200 mm
Bolt Circle Diameter	212 mm
Bolt Hole Diameter	5.5 mm
Baffle Cutout Diameter	180 mm
Overall Depth	100 mm
Net Weight	2.1 kg
Shipping Weight	2.4 kg
Shipping Box	220x220x110mm

Also available in 16ohm, 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.