

# ND9408m/16

- ☀ 8 inch
- ☀ 250 Watts
- ☀ 94 dB
- ☀ 86 ~ 6000 Hz



### KEY FEATURES:

- ① 500 W continuous program power capacity
- ② High SPL, superb quality sound
- ③ Inverted dust cup for better coupling to a phase plug
- ④ 2" copper clad aluminum voice coil wound on polyimide former
- ⑤ High grade neodymium magnet system, a very light weight
- ⑥ Aluminum demodulating ring for low distortion
- ⑦ Ideal for mid-bass or line array applications

### GENERAL SPECIFICATIONS

|                                     |                   |
|-------------------------------------|-------------------|
| Nominal Diameter                    | 200mm /8inch      |
| Rated Impedance                     | 16 ohm            |
| Nominal Power handling <sup>1</sup> | 250 Watts         |
| Program Power <sup>2</sup>          | 500 Watts         |
| Sensitivity(1w/1m) <sup>3</sup>     | 94 dB             |
| Frequency Range <sup>4</sup>        | 80 ~ 6000Hz       |
| Minimum Impedance(Zmin)             | 14.6 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                        | 1.2T              |
| Magnet material                     | Neodymium         |

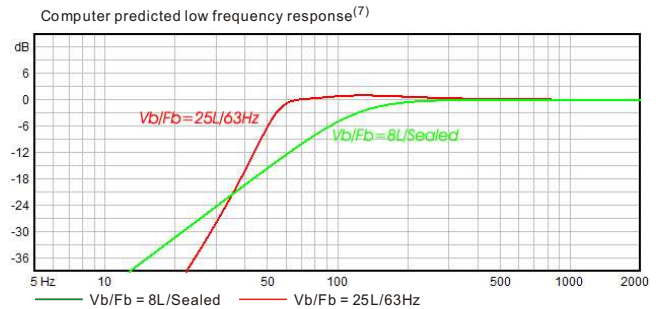
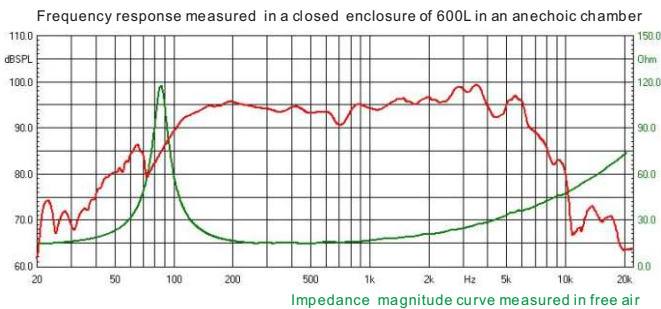
### THIELE - SMALL PARAMETERS<sup>5</sup>

|  |      |                       |
|--|------|-----------------------|
| Resonance frequency                        | Fs   | 86 Hz                 |
| DC resistance                              | Re   | 12.6 ohm              |
| Mechanical factor                          | Qms  | 5.7                   |
| Electrical factor                          | Qes  | 0.69                  |
| Total factor                               | Qts  | 0.61                  |
| Mechanical compliance of suspension losses | Cms  | 0.14 mm/N             |
| Effective Moving Mass                      | Mms  | 24.3 g                |
| Half-space efficiency                      | Eff  | 1 %                   |
| BL Factor                                  | BL   | 15.5 T.m              |
| Equivalent Cas air load                    | Vas  | 9.2 liters            |
| Effective piston area                      | Sd   | 0.0216 m <sup>2</sup> |
| Max. linear excursion <sup>6</sup>         | Xmax | 6 mm                  |
| Voice coil inductance                      | Le1K | 0.87 mH               |
| Efficiency Bandwidth Product               | EBP  | 124                   |

### MOUNTING INFORMATION

|                        |               |
|------------------------|---------------|
| Overall Diameter       | 200 mm        |
| Bolt Circle Diameter   | 212 mm        |
| Bolt Hole Diameter     | 6.2 mm        |
| Baffle Cutout Diameter | 180 mm        |
| Overall Depth          | 95 mm         |
| Net Weight             | 1.5 kg        |
| Shipping Weight        | 1.8 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.
7. Vb: Net internal volume of box after subtracting the volume of internal objects.