

# ND9310m/16

☀ 10 inch ☀ 350 Watts  
☀ 96 dB ☀ 63 ~ 4100 Hz



### KEY FEATURES:

- ① 700 W continuous program power capacity
- ② Sensitivity: 96dB 1w/1m
- ③ 76mm(3") inside/outside winding CCAW voice coil
- ④ A B/L in excess of 24.3 T/m for dynamic voicing
- ⑤ SH grade neodymium magnet for increased thermal protection
- ⑥ Half the weight than a conventional ferrite model
- ⑦ Aluminum demodulating ring for low distortion
- ⑧ Treated cone for water protection
- ⑨ Ideal for mid-bass or line array applications

### GENERAL SPECIFICATIONS

Nominal Diameter	250mm /10inch
Rated Impedance	16 ohm
Nominal Power handling <sup>1</sup>	350 Watts
Program Power <sup>2</sup>	700 Watts
Sensitivity(1w/1m) <sup>3</sup>	96 dB
Frequency Range <sup>4</sup>	63 ~ 4100Hz
Minimum Impedance(Zmin)	14.2 ohm
Voice Coil Diameter	76mm /3inch
Voice Coil Material	CCA W
Former Material	Glass fiber
Voice Coil Winding Depth	16.5 mm
Number of layers	2(inside/outside)
Magnet gap depth	10 mm
Basket	Cast Aluminum
Flux Density	1.25 T
Magnet Material	Neodymium

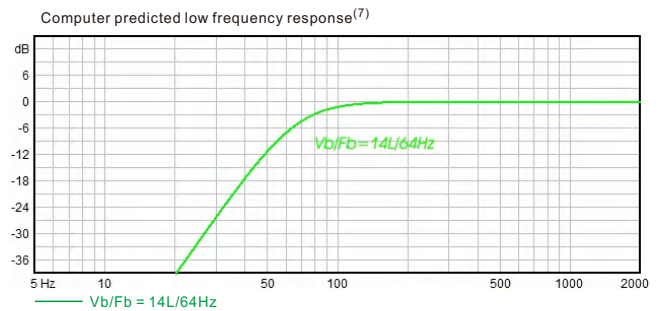
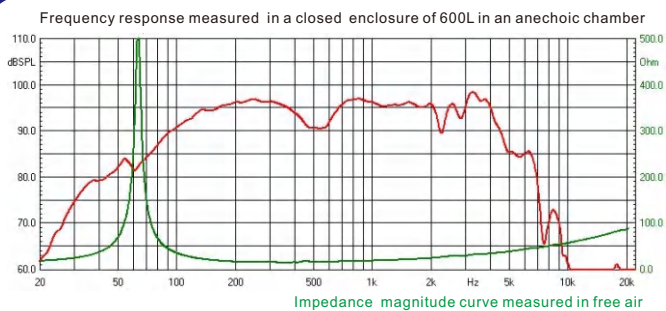
### THIELE - SMALL PARAMETERS<sup>5</sup>

Resonance frequency	Fs	63 Hz
DC resistance	Re	11.6 ohm
Mechanical factor	Qms	9.3
Electrical factor	Qes	0.38
Total factor	Qts	0.37
Mechanical compliance	Cms	0.13 mm/N
Mechanical resistance of total-driver losses	Rms	1.15 kg/s
Effective Moving Mass	Mms	49 g
Half-space efficiency	Eff	1.42%
BL Factor	BL	24.3 T.m
Equivalent Cas air load	Vas	22 liters
Effective piston area	Sd	0.0353 m <sup>2</sup>
Max. linear excursion <sup>6</sup>	Xmax	± 6 mm
Max. excursion before damage	Xdam	±15.8mm
Voice coil inductance(1kHz)	Le	0.1 mH
Efficiency Bandwidth Product	EBP	165

### MOUNTING INFORMATION

Overall Diameter	261 mm
Bolt Circle Diameter	246 mm
Bolt Hole Diameter	5.5 mm
Baffle Cutout Diameter	228 mm
Overall Depth	115 mm
Air volume occupied by driver	1.6 liters
Net Weight	3.7 kg
Shipping Weight	4.2 kg
Shipping Box	275x275x130mm

Also available in 4&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.