

# ND9118s

☀ 18 inch ☀ 900 Watts  
☀ 96 dB ☀ 31 ~ 1000 Hz



### KEY FEATURES:

- ① 1800 W continuous program power capacity
- ② 96dB Sensitivity 1w/1m
- ③ 31Hz ~1000Hz frequency response range
- ④ 4" inside/outside voice coil
- ⑤ Double silicone spider with optimized compliance
- ⑥ Neodymium magnet allows a very light yet powerful motor assembly
- ⑦ Ventilated voice coil gap for reduced power compression
- ⑧ Ideal for subwoofer application

### GENERAL SPECIFICATIONS

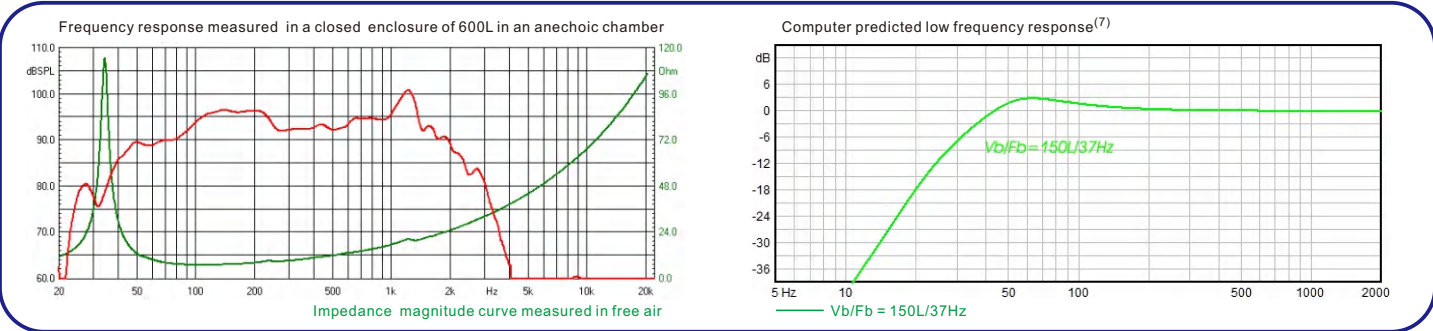
Nominal Diameter	460mm / 18inch
Rated Impedance	8 ohm
Nominal Power handling <sup>1</sup>	900 Watts
Program Power <sup>2</sup>	1800 Watts
Sensitivity(1w/1m) <sup>3</sup>	96 dB
Frequency Range <sup>4</sup>	31 ~ 1000Hz
Minimum Impedance(Zmin)	6.7 ohm
Voice Coil Diameter	100mm / 4inch
Voice Coil Material	Copper
Former Material	Glass Fiber
Voice Coil Winding Depth	30 mm
Number of layers	2(inside/outside)
Magnet gap depth	12 mm
Basket	Cast Aluminum
Flux Density	1.15 T
Magnet Material	Neodymium

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

Resonance frequency	Fs	34 Hz
DC resistance	Re	5.3 ohm
Mechanical factor	Qms	12
Electrical factor	Qes	0.58
Total factor	Qts	0.55
Mechanical compliance	Cms	0.08 mm/N
Mechanical resistance of total-driver losses	Rms	4.6 kg/s
Effective Moving Mass	Mms	252 g
Half-space efficiency	Eff	1.2%
BL Factor	BL	22.3 T.m
Equivalent Cas air load	Vas	175 liters
Effective piston area	Sd	0.1219 m <sup>2</sup>
Max. linear excursion <sup>6</sup>	Xmax	±11 mm
Max. excursion before damage	Xdam	±24 mm
Voice coil inductance(1kHz)	Le	2 mH
Efficiency Bandwidth Product	EBP	58

### MOUNTING INFORMATION

Overall Diameter	461 mm
Bolt Circle Diameter	439 mm
Bolt Hole Diameter	6.5x9.5 mm
Baffle Cutout Diameter	424 mm
Overall Depth	212 mm
Air volume occupied by driver	8.3 liters
Net Weight	9.6 kg
Shipping Weight	11 kg
Shipping Box	490x490x250mm



- 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.