ND9310m/8

VERIFIED WITH KLIPPEL

☀ 10 inch ☀ 400 Watts
☀ 97 dB ☀ 63 ~ 4100 Hz

KEY FEATURES:

① 800 W continuous program power capacity
② Sensitivity: 97dB 1w/1m
③ 63 ~ 4100Hz frequency response range
④ 76mm(3") inside/outside winding CCAW voice coil
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 Ideal for mid-bass or line array applications

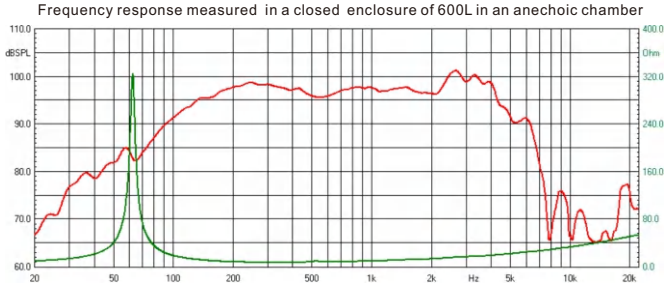
GENERAL SPECIFICATIONS	
Nominal Diameter	250mm /10inch
Rated Impedance	8 ohm
Nominal Power handling[1]	400 Watts
Program Power[2]	800 Watts
Sensitivity(1w/1m)[3]	97 dB
Frequency Range[4]	63 ~ 4100Hz
Minimum Impedance(Zmin)	6.4 ohm
Voice Coil Diameter	76mm /3inch
Voice Coil Material	CCAW
Former Material	Glass fiber
Voice Coil Winding Depth	17.2 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[5]		
Resonance frequency	Fs	63 Hz
DC resistance	Re	5.3 ohm
Mechanical factor	Qms	17.8
Electrical factor	Qes	0.31
Total factor	Qts	0.30
Mechanical compliance	Cms	0.14 mm/N
Mechanical resistance of total-driver losses	Rms	0.9 kg/s
Effective Moving Mass	Mms	45 g
Half-space efficiency	Eff	1.9%
BL Factor	BL	17.6 T.m
Equivalent Cas air load	Vas	25 liters
Effective piston area	Sd	0.0353 m^2
Max. linear excursion[6]	Xmax	± 6.1 mm
Max. excursion before damage	Xdam	±15.7mm
Voice coil inductance(1kHz)	Le	0.6 mH
Efficiency Bandwidth Product	EBP	203

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

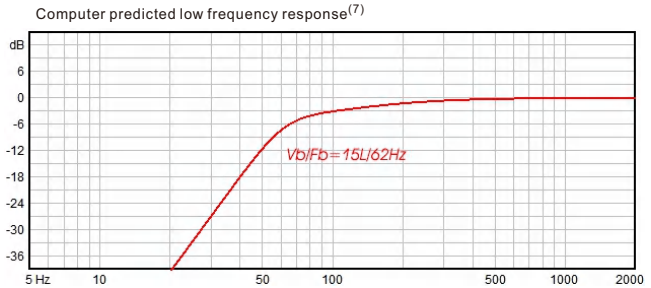
Also available in 4&16ohm, data upon request.

Frequency response measured in a closed enclosure of 600L in an anechoic chamber



Impedance magnitude curve measured in free air

Computer predicted low frequency response[7]



Vb/Fb = 15L/62Hz

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. Thiele-Small parameters are measured with Klippel DA LPM module 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.