

1.4" Neo Compression Drivers

4594ND-mid

1.4" mid range neodymium compression driver



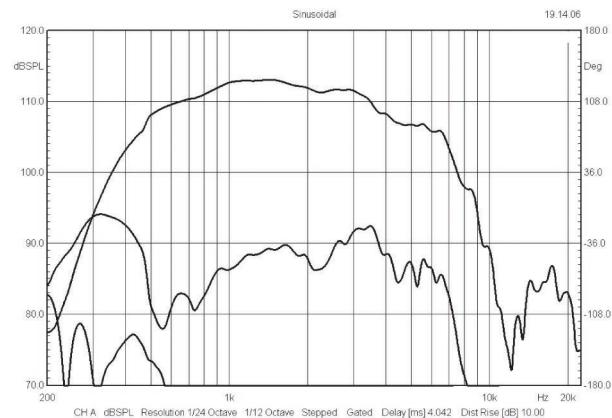
Features:

- 1.4" Middle range driver
- Unique patented design
- 118 dB sensitivity 1 W / 1 m
- 300 Hz crossover
- 90 mm voice coil
- 8 or 16 Ohm

BMS 4594ND-mid is a powerful 1.4" professional compression driver that delivers outstanding sonic quality in a small package. The BMS exclusive voice coil technology employs a light weight Copper Clad Aluminium wire wound inside and outside of the Kapton™ former to improve the heat dissipation, dramatically increasing the acoustic output and reliability of the driver while minimising the power compression.

The BMS annular diaphragm covers the frequency range between 300 and 7.000 Hz with a smooth, linear response. The large diaphragm excursion of max. +/-0.8 mm results in high output and increased power handling up to 1.300 W peak.

Frequency response measured 1 W (2.38 V), at 1 m on 60° x 40° horn, 2nd + 3rd harmonic raised 10 dB.



SPECIFICATIONS

Throat diameter:	1.4" (36 mm)
Nominal impedance:	8 or 16 Ohm
Power capacity (AES):	150 W AES above 400 Hz
Peak power:	1000 W peak above 500 Hz
Sensitivity 1 W / 1 m:	118 dB on 40° x 20° Horn
Frequency range:	300 - 7000 Hz
Recommended crossover:	300 Hz
Voice coil diameter:	3.5" (90 mm)
Magnet Material:	Neodymium
Flux Density (Tesla):	1.95
Efficiency:	35 % (300 - 5000 Hz)
Voice Coil Material:	Copper Clad Aluminum
	(2 Layers in- and outside of the VC)
Voice Coil Former:	Kapton TM
Diaphragm Material:	Polyester
Mounting information	
Overall diameter:	mm 133 (+/- 0.3 mm)
Depth:	mm 74
Net weight:	kg 2
4x M6 holes, 90° on 101.6 mm, 4" diameter	

