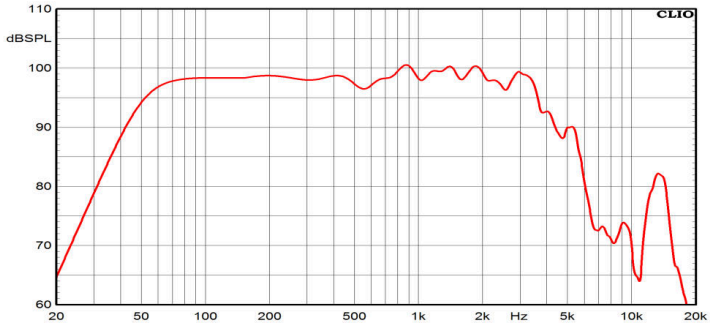
CMI320ND

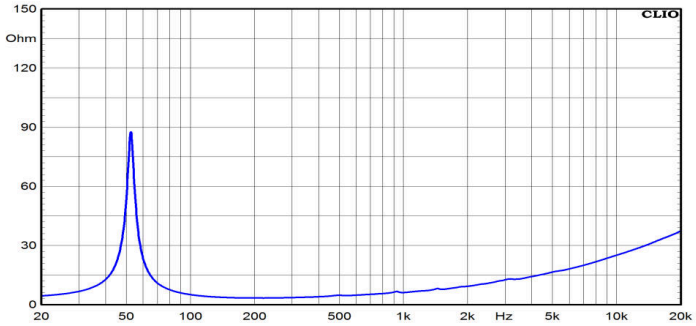


12" 4 Ohm NEO Low Frequency Driver

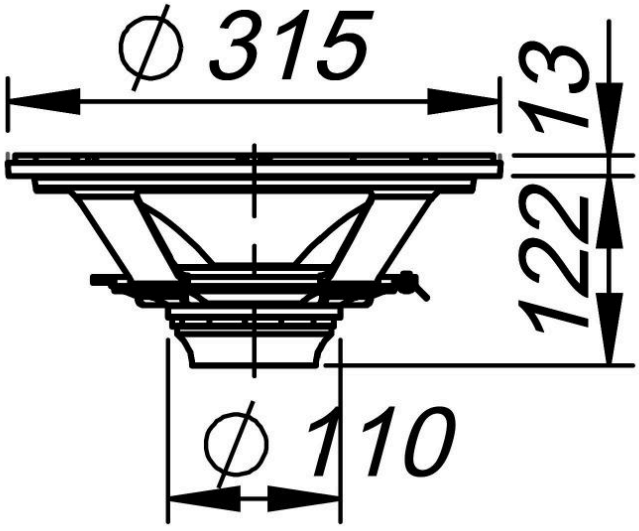
Voice Coil Diameter	50 mm 2 in
Continuous Power Handling	450 W
Sensitivity	100.5 dB

DATASHEET DRAWINGS





DRAWINGS



CMI320ND

SPECIFICATIONS

Nominal Diameter	320 mm (12 in)
Nominal Impedance	4 ©
Nominal Power Handling	220 W Nominal power is determined according to AES2-1984 (r2003) standard.
Continuous Power Handling	450 W Program Power is defined as 3 dB greater than the Nominal rating.
Sensitivity	100.5 dB V2183 Sensitivity represents the averaged value of acoustic output as measured on the forward central axis of cone, at distance 1m, when connected to 2,83V sine wave test signal.
Frequency Range	50 Hz - 50 Hz Frequency range is given as the band of frequencies delineated by the lower and upper limits where the output level drops by 10 dB below the rated sensitivity in half space environment.
Voice Coil Diameter	50 mm (2 in)
Former Material	Glass fiber
Winding Depth	13.5 mm (0.53 in)
Magnetic Gap Depth	8 mm (0.31 in)

PARAMETERS

Fs	53 Hz
Re	2.8 ©
Qes	0.44
Qms	13.5
Qts	0.43
Vas	70 dm³ (2.47 ft³)
Sd	547 cm² (84.79 in²)
·0	2.3 %
Xmax	5 mm (0.2 in) Linear Math. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is the gapdepth.
Mms	54 g
Bl	10.6 Tm
Le	0.6 mH
d	264 mm (10.39 in)
EBP	120 Hz

DESIGN

Surround Shape	Nomex Fabric
Cone Shape	Exponential
Recommended Enclosure	60 dm³ (2.119 ft³)
Recommended Loading	Vented Box
Suspension	Nomex Fabric
Cone Material	Doped cellulose fiber

MOUNTING AND SHIPPING INFO

Overall Diameter	315 mm (12.4 in)
Bolt Circle Diameter	295 mm (11.61 in)
Baffle Cutout Diameter	282 mm (11.1 in)
Depth	135 mm (5.31 in)
Flange and Gasket Thickness	13 mm (0.51 in)
Net Weight	2.7 kg (5.95 lb)
Shipping Units	1 pcs
Basket Material	Aluminum
Bolt Quantity	8 pcs
Bolt Diameter	7 mm (0.28 in)