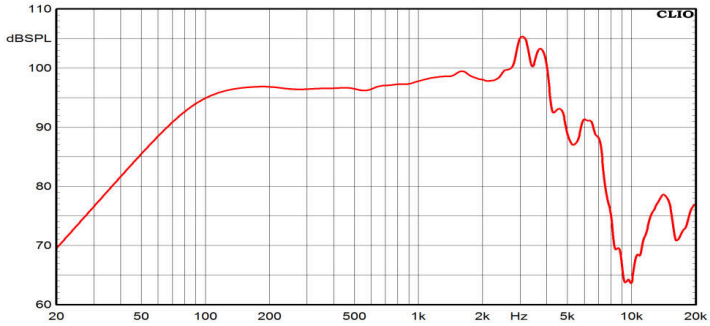
CMI250ND

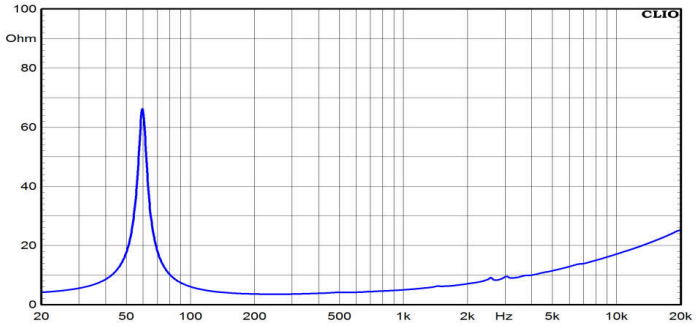


10" 4 Ohm NEO Low Frequency Driver

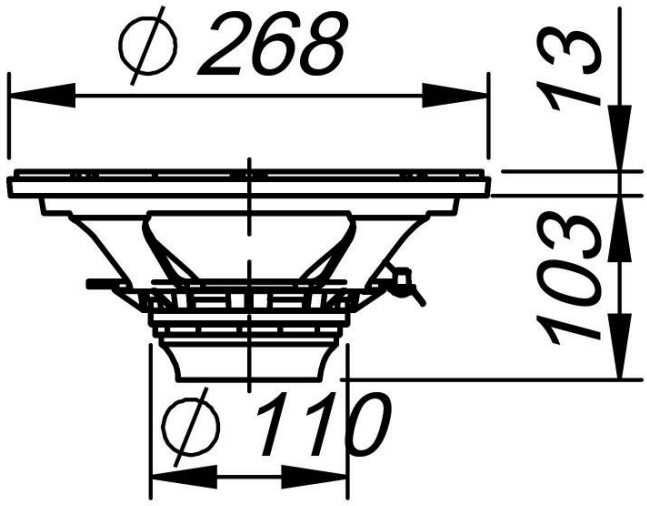
Voice Coil Diameter	50 mm 2 in
Continuous Power Handling	450 W
Sensitivity	97.5 dB

DATASHEET DRAWINGS





DRAWINGS



CMI250ND

SPECIFICATIONS

Nominal Diameter	250 mm (10 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	97.5 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	80 Hz - 3500 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)
Winding Material	Copper
Former Material	Glass fiber
Winding Depth	12.5 mm (0.49 in)
Magnetic Gap Depth	8 mm (0.31 in)

PARAMETERS

Fs	59 Hz
Re	3 ©
Qes	0.52
Qms	10.8
Qts	0.5
Vas	34 dm³ (1.2 ft³)
Sd	356 cm² (55.18 in²)
·0	1.3 %
Xmax	4.5 mm (0.18 in) Linear Math. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is the gapdepth.
Mms	38 g
Bl	9 Tm
Le	0.39 mH
d	213 mm (8.39 in)
EBP	113 Hz

DESIGN

Surround Shape	Nomex Fabric
Cone Shape	Exponential
Recommended Enclosure	20 dm³ (0.706 ft³)
Recommended Loading	Sealed box
Connection Type	Fast-On
Suspension	Nomex Fabric
Cone Material	Doped cellulose fiber

MOUNTING AND SHIPPING INFO

Overall Diameter	268 mm (10.55 in)
Bolt Circle Diameter	253 mm (9.96 in)
Baffle Cutout Diameter	235 mm (9.25 in)
Depth	116 mm (4.57 in)
Flange and Gasket Thickness	13 mm (0.51 in)
Net Weight	2.3 kg (5.07 lb)
Shipping Units	6 pcs
Basket Material	Aluminum
Bolt Quantity	8 pcs
Bolt Diameter	5 mm (0.2 in)