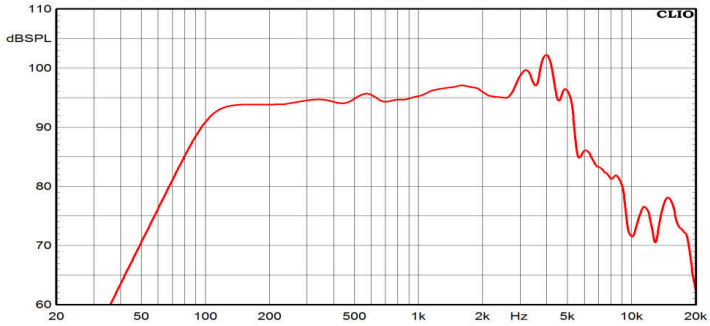
NDI8.50W

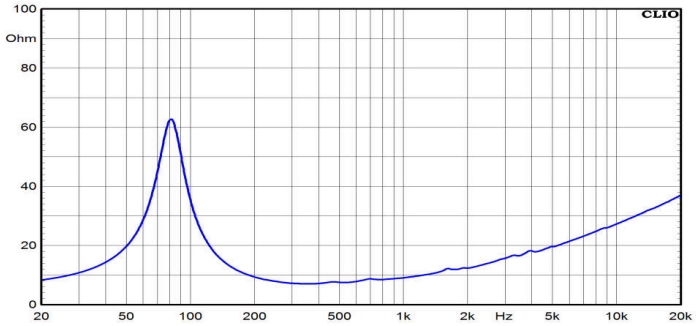


8" 8 Ohm NEO Low Frequency Driver

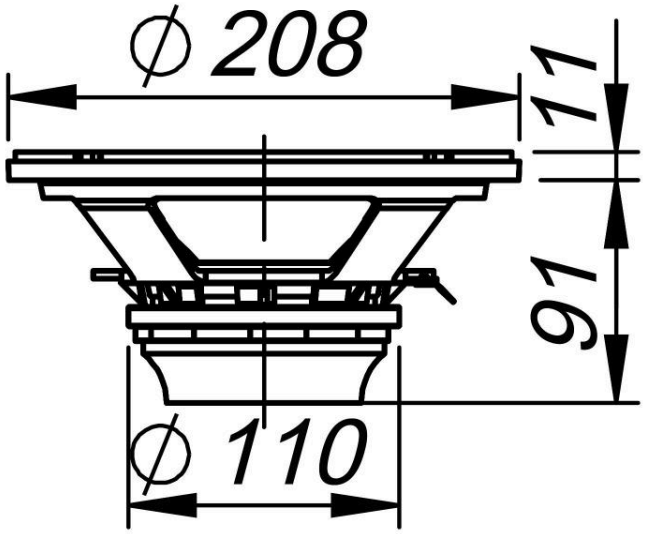
Voice Coil Diameter	50 mm 2 in
Continuous Power Handling	450 W
Sensitivity	96 dB

DATASHEET DRAWINGS





DRAWINGS



NDI8.50W

SPECIFICATIONS

Nominal Diameter	200 mm (8 in)
Nominal Impedance	8 ©
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	96 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	70 Hz - 5500 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	Aluminum
Winding Depth	12.7 mm (0.5 in)
Magnetic Gap Depth	8 mm (0.31 in)

PARAMETERS

Fs	81 Hz
Re	5.8 ©
Qes	0.36
Qms	3.5
Qts	0.33
Vas	13 dm^3 (0.46 ft^3)
Sd	214 cm^2 (33.17 in^2)
·0	1.9 %
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	19.5 g
Bl	12.8 Tm
Le	0.6 mH
d	165 mm (6.5 in)
EBP	225 Hz

DESIGN

Surround Shape	Nomex Fabric
Cone Shape	Exponential
Recommended Enclosure	7 dm^3 (0.247 ft^3)
Recommended Loading	Vented Box
Suspension	Cotton fabric
Cone Material	Doped cellulose fiber

MOUNTING AND SHIPPING INFO

Overall Diameter	208 mm (8.19 in)
Bolt Circle Diameter	194 mm (7.64 in)
Baffle Cutout Diameter	185 mm (7.28 in)
Depth	121 mm (4.76 in)
Flange and Gasket Thickness	11 mm (0.43 in)
Net Weight	2.25 kg (4.96 lb)
Shipping Units	4 pcs
Basket Material	Aluminum
Bolt Quantity	4 pcs
Bolt Diameter	5 mm (0.2 in)