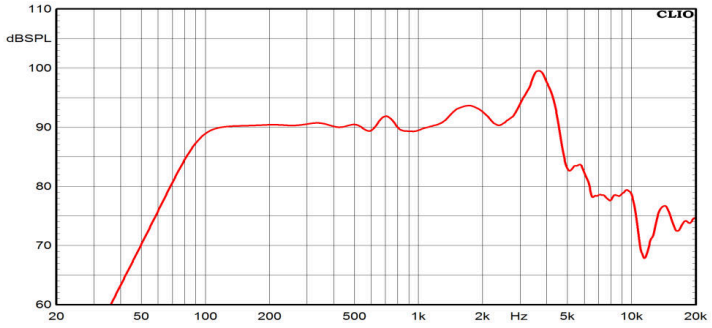
NDI6.50W

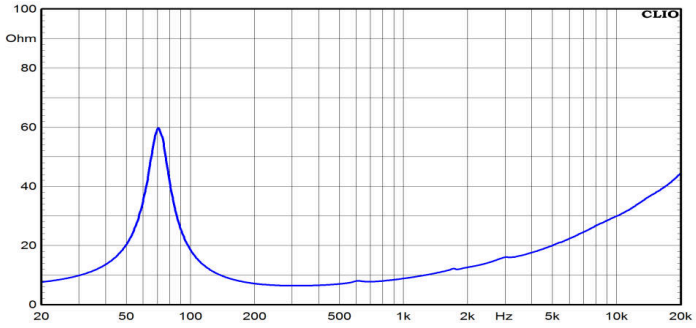


6.5" 8 Ohm NEO Low Frequency Driver

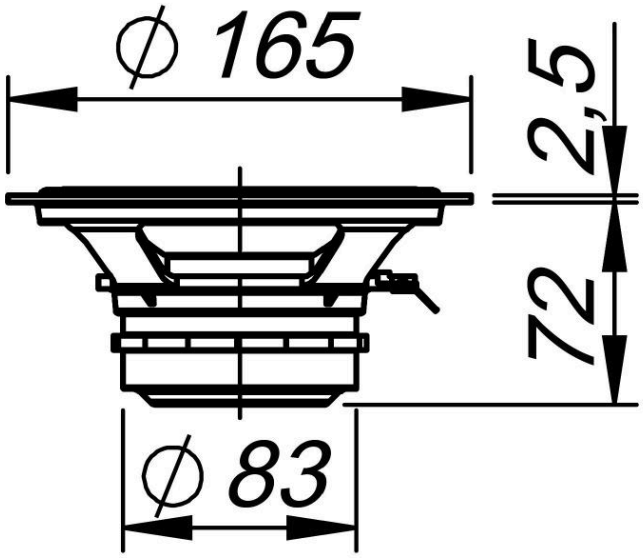
Voice Coil Diameter	50 mm 2 in
Continuous Power Handling	450 W
Sensitivity	93.5 dB

DATASHEET DRAWINGS





DRAWINGS



NDI6.50W

SPECIFICATIONS

Nominal Diameter	165 mm (6.5 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	93.5 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 - 4500 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	Kapton
Winding Depth	14.5 mm (0.57 in)
Magnetic Gap Depth	8 mm (0.31 in)

PARAMETERS

Fs	71 Hz
Re	5.5 ©
Qes	0.32
Qms	3.3
Qts	0.29
Vas	8.5 dm^3 (0.3 ft^3)
Sd	137 cm^2 (21.24 in^2)
·0	0.95 %
Xmax	5.3 mm (0.21 in) Linear Math. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is the gapdepth.
Mms	15.4 g
Bl	10.8 Tm
Le	0.6 mH
d	132 mm (5.2 in)
EBP	222 Hz

DESIGN

Surround Shape	Nomex Fabric
Cone Shape	Exponential
Recommended Enclosure	4 dm^3 (0.141 ft^3)
Recommended Loading	Vented Box
Suspension	Nomex Fabric
Cone Material	Doped cellulose fiber

MOUNTING AND SHIPPING INFO

Overall Diameter	165 mm (6.5 in)
Bolt Circle Diameter	154.5 mm (6.08 in)
Baffle Cutout Diameter	145 mm (5.71 in)
Depth	74.5 mm (2.93 in)
Flange and Gasket Thickness	2.5 mm (0.1 in)
Net Weight	1.3 kg (2.86 lb)
Shipping Units	6 pcs
Basket Material	Aluminum
Bolt Quantity	4 pcs
Bolt Diameter	5 mm (0.2 in)