NDI2.25

2'' NEO Full-range

Program Power	**60 W**
Rated impedance	**8 Ohm**
Nominal diameter	**2''- 50 mm**
Sensitivity (2,83V/1m)	**83 dB**
Voice coil diameter	**1 in - 25 mm**
Frequency Range	**110-17000 Hz**

SPECIFICATIONS

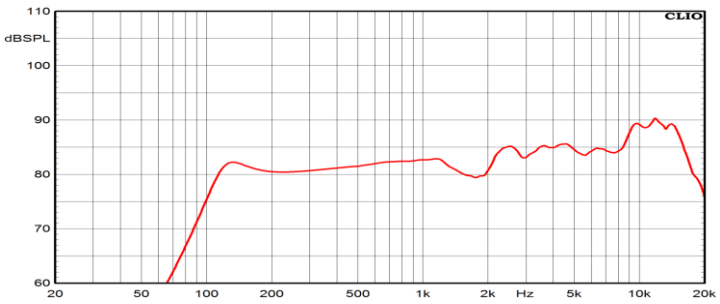
Nominal Diameter		2''- 50 mm
Rated Impedance		8 Ohm
Nominal Power Handling [1]		30 W
Program Power [2]		60 W
Sensitivity [3]		83 dB
Frequency Range [4]		110-17000 Hz
Minimum Impedance		-
Gasket Material		Steel
Magnet Material		Neodymium
Cone Material		Aluminum
Cone Shape		Exponential
Surround		Rubber
Suspension		Doped fabric
Voice Coil Diameter		1 in - 25 mm
Voice Coil Winding Material		Copper
Voice Coil Length		- -
Voice Coil Former Material		Kapton
Connection type		Faston
Ferrofluid		No
Magnetic Gap Height		3,5 mm - 0,14 in
Max. Peak to Peak Excursion		-
Efficiency Bandwidth Product EBP		345
Recommended Loading		Vented Box
Volume / Tuning frequency		0,3 Lt (dm³) - 0,011 cuft / 120 Hz
Maximum recommended frequency		-
Version - Part Code	**8 Ohm**	**PNDI2.25**

T/S PARAMETERS

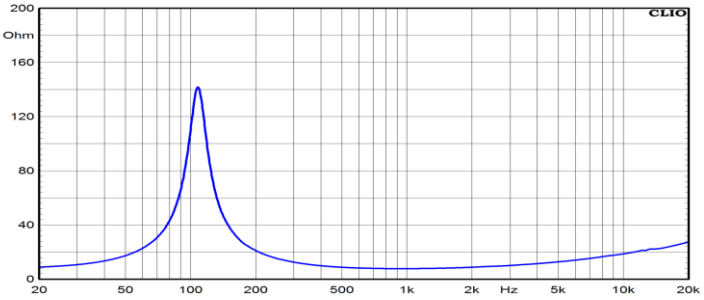
8 Ohm

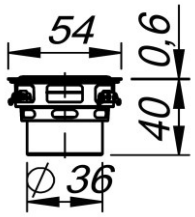
Resonance frequency	Fs	100 Hz
DC Resistance	Re	7,1 Ohm
Mechanical Q Factor	Qms	5,3
Electrical Q Factor	Qes	0,29
Total Q Factor	Qts	0,27
Bl Factor	Bl	5,9 Tm
Effective Moving Mass	Mms	2,15 g
Equivalent Cas air loaded	Vas	0,3 lt (dm³) - 0,01 cuft
Suspension Compliance	Cms	-
Effective Piston Diameter	D	41 mm - 1,61 in
Effective piston area	Sd	13 cm² - 2,02 sq in
Max. Linear Excursion [5]	Xmax	2,5 mm - 0,1 in
Voice Coil Inductance @ 1kHz	Le	0,2 mH
Half-space Efficency	ŋ0	0,1 %

FREQUENCY RESPONSE CURVE [6]



FREE AIR IMPEDANCE CURVE [7]





MOUNTING AND SHIPPING INFORMATION

Overall Diameter	54,3 mm - 2,14 in
Baffle Cutout Diameter	49 mm - 1,93 in
Flange and Gasket Thickness	0,6 mm - 0,02 in
Total Depth	40,6 mm - 1,6 in
Bolt Circle Diameter	30 mm - 1,18 in
Bolt Holes Quantity and Diameter	4 / 4 mm - 0,16 in
Net Weight	0,18 Kg - 0,4 lb
Shipping Units	1 Pair

NOTES

[1] Nominal power is determined according to AES2-1984 (r2003) standard.
[2] Program Power is defined as 3 dB greater than the Nominal rating.
[3] 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.
[4] 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.
[5] Linear Math. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is the gapdepth.
[6] Frequency response curve In the range above 150 Hz is measured on infinite baffle conditions and simulated as per recommended loading in the range below 150 Hz.
[7] Impedance curve is measured in free air conditions at small signals.