



10NDA610

Very High Output Neodymium MF Transducer

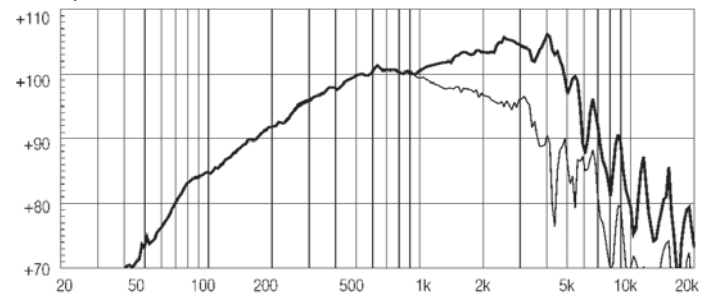
- 103 dB SPL 1W / 1m average sensitivity (AIC on)
- 75 mm (3 in) Interleaved Sandwich Voice coil (ISV)
- 400 W AES power handling
- Neodymium motor assembly
- A.I.C. (Active Impedance Control) technology
- Very shallow profile, 90 mm (3,5 in) total depth
- Humidity resistant cone and plates
- Suitable for high quality, very high SPL midrange frequency reproduction



GENERAL SPECIFICATIONS

Nominal Diameter	260mm (10 in)
Rated Impedance	8 Ohm
AES Power (1)	400W
Program Power (2)	600W
Peak Power	1200W
Sensitivity (3)	103dB
Frequency Range (4)	100 - 6100 Hz
Power Compression @-10dB	0,5 dB
Power Compression @-3dB	1,5 dB
Power Compression @Full Power	2,1 dB
Max Recomm. Frequency	4000 Hz
Recomm. Enclosure Volume	4 - 15 lt. (0,14 - 0,53 cuft)
Minimum Impedance	6,5 Ohm at 25°C
Max Peak To Peak Excursion	13 mm (0,51 in)

FREQUENCY RESPONSE CURVE

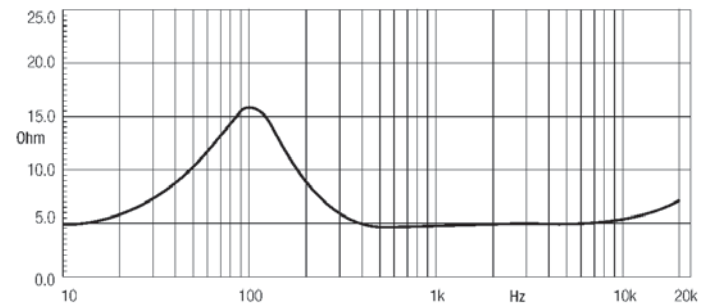


FREQUENCY RESPONSE CURVE OF 10NDA610 (AIC ON) MADE ON 30 LIT. CLOSED ENCLOSURE IN FREE FIELD (4P) ENVIRONMENT. ENCLOSURE CLOSES THE REAR OF THE DRIVER. THE THIN LINE REPRESENTS 45 DEG. OFF AXIS FREQUENCY RESPONSE.

THIELE SMALL PARAMETERS (5)

Fs	89 Hz
Re	5,5 Ohm
Sd	0,035 sq.mt. (54,25 sq.in.)
Qms	7,1
Qes	0,24
Qts	0,23
Vas	18 lt. (0,64 cuft)
Mms	30 gr. (0,07 lb)
BL	20,3 Tm
Linear Mathematical Xmax (6)	±2,5 mm (± 0,10 in)
Le (1kHz)	0,06 mH
Ref. Efficiency 1W@1m (half space)	98 dB

FREE AIR IMPEDANCE MAGNITUDE CURVE



MOUNTING INFORMATION

Overall diameter	260 mm (10,24 in)
N. of mounting holes and bolt	4 on diam. 275 mm (4 on 10,83 in) 8 on diam. 244,5 mm (4 on 9,63 in)
Mounting holes diameter	7,15 mm (0,28 in)
Front mount baffle cutout Ø	232 mm (9,13 in)
Rear mount baffle cutout Ø	232 mm (9,13 in)
Total depth	96 mm (3,78 in)
Flange and gasket thickness	14,5 mm (0,57 in)
Net weight	3,5 kg (7,7 lb)
Shipping weight	3,9 kg (8,58 lb)
CardBoard Packaging dimensions	275 x 275 x 164 mm(10,83 x 10,83 x 6,46 in)
CardBoard Packaging dimensions	570x570x290 mm (22,4x22,4x11,4 in)

NOTES

- (1) AES power is determined according to AES2-1984 (r2003) standard
- (2) Program power rating is measured in a 30 lit closed enclosure, using 100-3000Hz band limited pink noise test signal with 50% duty cycle, applied for 2 hours.
- (3) Sensitivity represents the averaged value of acoustic output as measured on the forward central axis of cone, at distance 1m from the baffle panel, when connected to 2,83V sine wave test signal swept between 500Hz and 2500Hz with the test specimen mounted in the same enclosure as given for #2 above.
- (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) Thiele - Small parameters are measured after the test specimen has been conditioned by 400 W AES power and represent the expected long term parameters after a short period of use.
- (6) Linear Math. Xmax is calculated as $(HvcHg)/2 + Hg/4$ where Hvc is the coil depth and Hg is the gap depth.