12ND610

Key Features

102 dB SPL 1W / 1m average sensitivity

75mm (3") Interleaved Sandwich Voice coil (ISV)

450 W continuous pink noise

Neodymium magnet assembly

Extremely high sound quality

Very shallow profile: 120 mm (4,7 in)

Ideal for mid and midbass high loading systems

Water resistant cone

GENERAL SPECIFICATIONS

NOMINAL DIAMETER	300mm	(12 in)
RATED IMPEDANCE	8 ohms	
CONTINUOUS PINK NOISE *(1)*	450 W	
SENSITIVITY *(2)*	102 dB	
FREQUENCY RANGE *(3)*	80 ÷ 5500 Hz	
MAX. RECOMM. FREQUENCY	2000 Hz	
RECOMM. ENCLOSURE VOLUME	8 ÷ 40 lt.	(0,28 ÷ 1,41 cu ft)
VOICE COIL DIAMETER	75 mm	(3 in)
NET WEIGHT	3,4kg	(7,51 lb)

THIELE-SMALL PARAMETERS *(4)*

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Fs	46 Hz	
Re	5,9 ohms	
Sd	0,0531 sq.mt.	(82,31 sq.in.)
Qms	4,3	
Qes	0,15	
Qts	0,14	
Vas	94,4 lt.	(3,32 cu ft)
Mms	49 gr.	(0,11 lb)
BL	24 Tm	
Linear Mathematical Xmax (5)	± 3,5 mm	(± 0,14 in)
Le (1kHz)	1,17 mH	
Ref. Efficiency		
1W@1m (half space)	100 dB	

(1) AES standard

(2) 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 2,83 V sine wave test signal swept between 500Hz and 2500Hz with the test specimen mounted in the same enclosure as given for graph text below.

(3) 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.

(4) Thiele - Small parameters are measured after the test specimen has been conditioned by 450 W AES power and represents the expected long term parameters after a short period of use .

(5) Linear Mat. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is gap depth.

FREQUENCY RESPONSE CURVE OF 12ND610 MADE ON 50 LIT. ENCLOSURE TUNED 60HZ IN FREE FIELD (4PI) ENVIRONMENT. ENCLOSURE CLOSES THE REAR OF THE DRIVER. THE THIN LINE REPRESENTS 45 DEG. OFF AXIS FREQUENCY RESPONSE
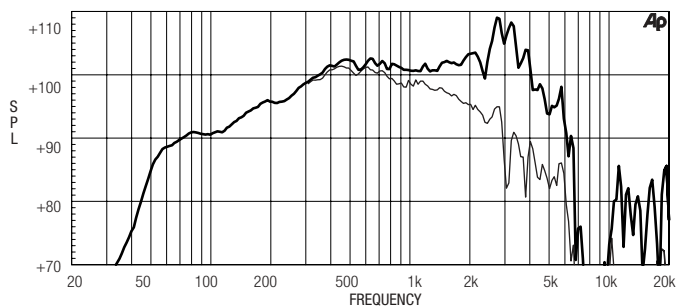
FREE AIR IMPEDANCE MAGNITUDE CURVE