10NDA520

High Output MidBass Neodymium Driver

Key Features

99,5 dB SPL 1W / 1m average sensitivity (AIC on)

65mm (2,5 in) Interleaved Sandwich Voice coil (ISV)

300 W continuous pink noise

Neodymium motor assembly

AIC (Active Impedance Control) technology

Extremely high sound quality

Humidity resistant cone assembly

GENERAL SPECIFICATIONS

NOMINAL DIAMETER	260mm	(10 in)
RATED IMPEDANCE	6 Ohm	
CONTINUOUS PINK NOISE *(1)*	300 W	
SENSITIVITY *(2)*	99,5 dB	
FREQUENCY RANGE *(3)*	60 ÷ 6500 Hz	
MAX RECOMM. FREQUENCY	2000 Hz	
RECOMM.ENCLOSURE VOLUME	10 ÷ 40 lt.	(0,90 ÷ 1,41 cu ft)
VOICE COIL DIAMETER	65 mm	(2,5 in)
NET WEIGHT	3 kg	(6,67 lb)

THIELE-SMALL PARAMETERS *(4)*

Fs	63 Hz	
Re	5,1 Ohm	
Sd	0,035 sq.mt.	(54,25 sq.in.)
Qms	7,10	
Qes	0,27	
Qts	0,26	
Vas	38 lt.	(1,34 cu ft)
Mms	29 gr.	(0,06 lb)
BL	14,6 Tm	
Linear Mathematical Xmax *(5)*	±4 mm	(±0,16 in)
Le (1kHz)	0,05 mH	
Ref. Efficiency 1W@1m (half space)	97,6 dB	

(1) AES standard – AIC on

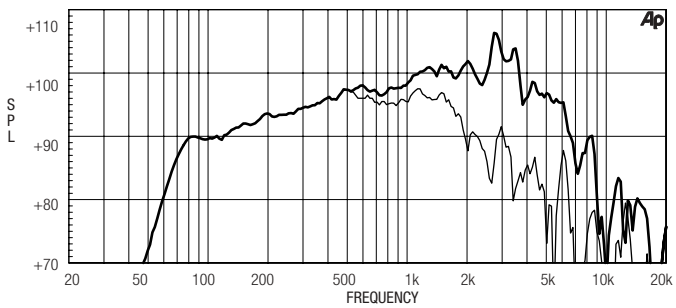
(2) Sensitivity represents the averaged value of acoustic output as measured on the forward central axis of cone, at distance 1m from the baffle panel, when connected to 2,83 V sine wave test signal swept between 500Hz and 2500Hz with the test specimen mounted in the same enclosure as given for frequency graph below (AIC on).

(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 300 W AES power and represent 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 10NDA520 (AIC ON) MADE ON 30 LIT. ENCLOSURE TUNED AT 55 HZ 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 WITH AIC ON.