

8M400

High Output MidBass Ferrite Driver



Key Features

- 100,5 dB SPL 1W / 1m average sensitivity
- 51mm (2") edgewound aluminum voice coil
- 250 W continuous pink noise
- Improved heat dissipation via unique basket design
- Copper ring to linearize impedance curve

GENERAL SPECIFICATIONS

NOMINAL DIAMETER	200mm	(8 in)
RATED IMPEDANCE	8 ohms	
CONTINUOUS PINK NOISE (1)	250 W	
SENSITIVITY (2)	100,5 dB	
FREQUENCY RANGE (3)	120 ÷ 6100 Hz	
MAX RECOMM. FREQUENCY	4000 Hz	
RECOMM. ENCLOSURE VOLUME	2 ÷ 10 lt.	(0,07 ÷ 0,35 cu ft)
VOICE COIL DIAMETER	51 mm	(2 in)
NET WEIGHT	4,5 kg	(9,93 lb)

THIELE-SMALL PARAMETERS (4)

Fs	90 Hz	
Re	5,2 ohms	
Sd	0,0227 sq.mt.	(35,19 sq in)
Qms	6,2	
Qes	0,28	
Qts	0,27	
Vas	16,2 lt.	(0,57 cu ft)
Mms	14 gr.	(0,03 lb)
BL	12,2 Tm	
Linear Mathematical Xmax (5)	± 3 mm	(± 0,12 in)
Le (1kHz)	0,95 mH	
Ref. Efficiency 1W @ 1m (half space)	98,1 dB	

(1) AES standard.

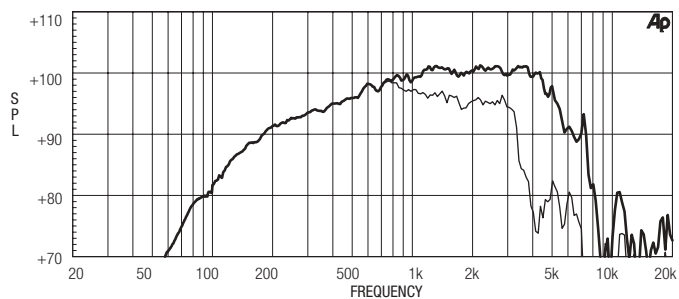
(2) Sensitivity represents the averaged value of acoustic output as measured on the forward central axis of cone, at distance 1m from the baffle panel, when connected to 2,83 V sine wave test signal swept between 500Hz and 2500Hz with the test specimen mounted in the same enclosure as given for graph 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 250 W AES power and represents the expected long term parameters after a short period of usage.

(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 8M400
MADE ON 3 LIT. CLOSED ENCLOSURE IN
FREE FIELD (4PI). ENCLOSURE CLOSES THE
REAR OF THE DRIVER. THE THIN LINE
REPRESENTS 45 DEG. OFF AXIS
FREQUENCY RESPONSE**



FREE AIR IMPEDANCE MAGNITUDE CURVE

