



Key features

- 100,5dB 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

GENERAL SPECIFICATIONS

NOMINAL DIAMETER	200mm	(8 in)
RATED IMPEDANCE	8 ohms	
CONTINUOUS PINK NOISE	250 W	(1)
CONT. POWER	160 W	(2)
PROGRAM POWER	320 W	(3)
PEAK POWER	650 W	(4)
SENSITIVITY	100,5 dB	(5)
FREQUENCY RANGE	120 - 6100 Hz	(6)
POWER COMPRESSION		(7)
@-10 dB (16 W)	0,5 dB	
@-3 dB (80 W)	1,6 dB	
@FULL POWER (160 W)	2,7 dB	
MAX RECOMM. FREQUENCY	4000 Hz	
RECOMM. ENCLOSURE VOLUME	2 - 10 lt.	(0,07 - 0,35 cuft)
MINIMUM IMPEDANCE	6,5 ohms at 25 deg.	
MAX EXCURSION PEAK TO PEAK	13 mm	(0,51 in)
VOICE COIL DIAMETER	51 mm	(2 in)
VOICE COIL WINDING MATERIAL	aluminum	

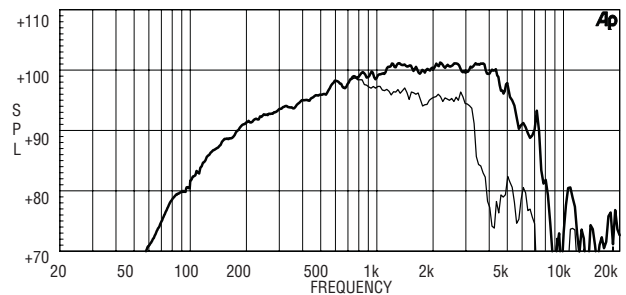
THIELE-SMALL PARAMETERS (8)

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 cuft)
Mms	14 gr. (0,03 lb)
BL	12,2 Tm
Linear Mathematical Xmax	± 3 mm (± 0,12 in) (9)
Le (1kHz)	0,95 mH
Ref. Efficiency	
dB / 1W / 1m (half space)	98,1 dB

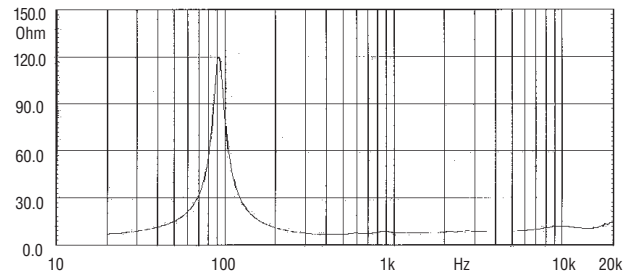
MOUNTING INFORMATION

Overall diameter	210 mm	(8,27 in)
N. of mounting holes	6	
Mounting holes diameter	6,25 mm	(0,25 in)
Bolt circle diameter	195-198 mm	(7,68-7,80 in)
Front mount baffle cutout diameter	186 mm	(7,32 in)
Rear mount baffle cutout diameter	184 mm	(7,24 in)
Total depth	102 mm	(4,02 in)
Flange and gasket thickness	14,5 mm	(0,57 in)
Net weight	4,5 kg	(9,93 lb)
Shipping weight	4,8 kg	(10,6 lb)
CardBoard packing dimensions	235 x 235 x 150 mm	(9,25 x 9,25 x 5,91 in)

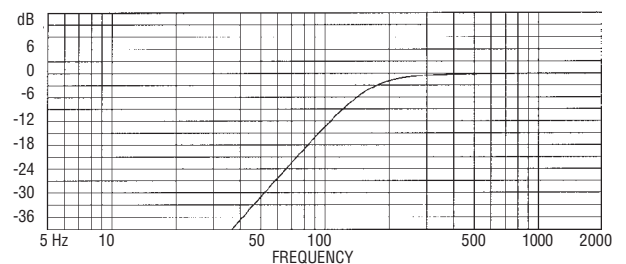
FREQUENCY RESPONSE CURVE OF 8M400 MADE ON 3 Lit. CLOSED ENCLOSURE IN FREE FIELD (4pi) ENVIRONMENT. ENCLOSURE CLOSE THE REAR OF THE DRIVER . THE THIN LINE REPRESENTS 45 DEG. OFF AXIS FREQUENCY RESPONSE



FREE AIR IMPEDANCE MAGNITUDE CURVE



NORMALIZED AMPLITUDE RESPONSE (dB/Hz)



Box Parameters

Custom Vented Box

Vb	= 3,00 Lt.	Fill	= normal
Fb	= 125,0 Hz	Dv	= 5,00 cm
QL	= 7,0	Lv	= 7,60 cm

(1) AES standard
 (2) Continuous power rating is measured in 3 lit closed enclosure using a 100-2500Hz band limited pink noise test signal applied continuously for 2 hours.
 (3) "Program power rating is measured as for "2" above but 50% duty cycle."
 (4) The peak power rating is based on a 6dB crest factor above the continuous power rating and represents the maximum permitted instantaneous peak power level over a maximum period of 10ms which will be withstood by the loudspeaker without damage.
 (5) 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 2 above.
 (6) 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.
 (7) Power compression represents the loss of sensitivity for the specified power, measured from 100:1000 Hz, after a 5 min pink noise preconditioning test at the specified power.
 (8) Thiele - small parameters are measured after the test specimen has been conditioned by 250 W AES power and represent the expected long term parameters after a short period of use .
 (9) Linear Mat. Xmax is calculated as: $(Hvc \cdot Hg) / 2 + Hg / 4$ where Hvc is the coil depth and Hg is gap depth.