

15MB606

Very High Output MB Ferrite Transducer

101 dB SPL 1W / 1m average sensitivity
 75 mm (3 in) Interleaved Sandwich Voice coil (ISV)
 400 W AES power handling
 Excellent transient response and cone damping
 Improved heat dissipation via unique basket design
 Ideal for compact two way and multiway systems



GENERAL SPECIFICATIONS

Nominal Diameter	380 mm (15 in)
Rated Impedance	8 Ohm
AES Power (1)	400 W
Program Power (2)	600 W
Peak Power	1200 W
Sensitivity (3)	101 dB
Frequency Range (4)	45 - 4800 Hz
Power Compression @-10dB	0,6 dB
Power Compression @-3dB	2,0 dB
Power Compression @Full Power	3,6 dB
Max Recomm. Frequency	2000 Hz
Recomm. Enclosure Volume	80 - 140 lt. (2,85 - 5 cuft)
Minimum Impedance	5,8 Ohm at 25°C
Max Peak To Peak Excursion	23 mm (0,88 in)

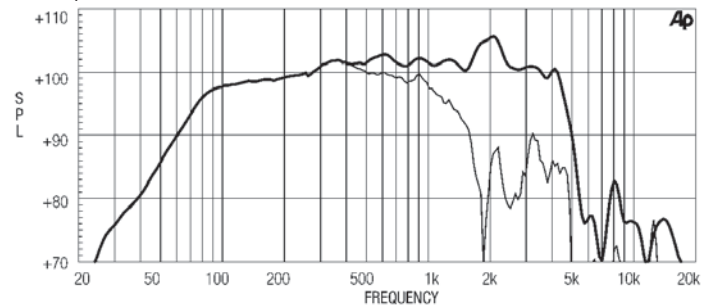
THIELE SMALL PARAMETERS (5)

Fs	43 Hz
Re	5 Ohm
Sd	0,085 sq.mt. (1,31,75 sq.in.)
Qms	6,2
Qes	0,37
Qts	0,35
Vas	223 lt. (7,88 cuft)
Mms	63 gr. (0,14 lb)
BL	15,1 Tm
Linear Mathematical Xmax (6)	± 4,5 mm (± 0,18 in)
Le (1kHz)	1,3 mH
Ref. Efficiency 1W@1m (half space)	98,8 dB

MOUNTING INFORMATION

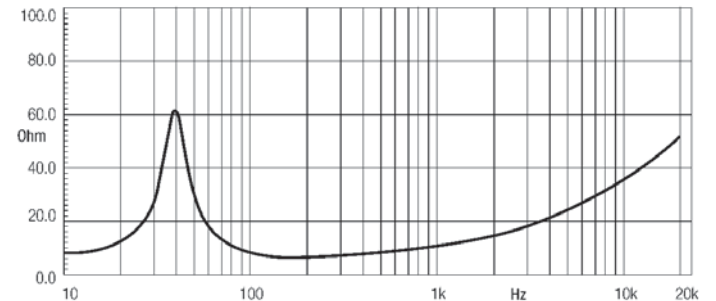
Overall diameter	387 mm (15,23 in)
N. of mounting holes and bolt	8
Mounting holes diameter	7,15 mm (0,28 in)
Bolt circle diameter	370 - 371 mm (14,55 - 14,6 in)
Front mount baffle cutout Ø	353 mm (13,90 in)
Rear mount baffle cutout Ø	357 mm (14,06 in)
Total depth	171,5 mm (6,75 in)
Flange and gasket thickness	19,5 mm (0,76 in)
Net weight	6,9 kg (15,23 lb)
Shipping weight	8 kg (17,66 lb)
CardBoard Packaging dimensions	405 x 405 x 214 mm (15,94 x 15,94 x 8,43 in)

FREQUENCY RESPONSE CURVE



FREQUENCY RESPONSE CURVE OF 15MB606 MADE ON 125 LIT. ENCLOSURE TUNED 50HZ 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



FREE AIR IMPEDANCE MAGNITUDE CURVE

NOTES

- (1) AES power is determined according to AES2-1984 (r2003) standard
- (2) Program power rating is measured in 125 lit enclosure tuned 50Hz using a 50 -2000Hz 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 100Hz and 500Hz with the test specimen mounted in the same enclosure as given for (1) 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.