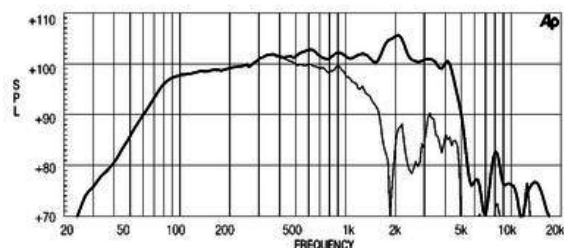
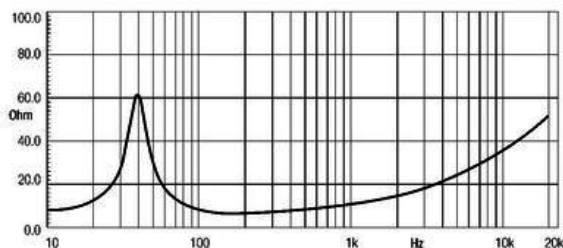


- 101 dB SPL 1W/ 1m average sensitivity
- 75 mm (3 in) Interleaved Sandwich Voice coil (ISV)
- 400 WAES power handling
- Excellent transient response and cone damping
- Improved heat dissipation via unique basket design
- Ideal for compact two way and multiway systems

The 15MB606 high output mid bass has been designed for use as a bass and low-midrange driver in tuned reflex enclosures, in 2-way systems. It combines high sensitivity (101dB 1W/1m) with high power handling capability. The smooth textured curvilinear paper cone, in conjunction with the viscose dampened multiroll suspension, provides excellent cone dampening and excursion control. The 75 mm Ø aluminum voice coil employs our Interleaved Sandwich Voice coil (ISV) technology, in which a high strength fiberglass former carries windings on the outer and inner surfaces to achieve a mass balanced coil. This results in an extremely linear motor assembly with a reduced tendency for eccentric behavior when driven hard. The low inductance coil results in improved transient response. Excellent heat dissipation has been achieved by incorporating air channels in the basket design, between the basket and top plate. Maximum flux concentration and force factor in the gap are assured by the unique shape and design of the top and back plates, which was created using Magnetic Flux FEA CAD simulation. A special treatment is applied to the top and the back plate which increases their resistance to the corrosive effects of salts and oxidization. This treatment is more effective than any other treatment in use today by other manufacturers.



SPECIFICATIONS

Nominal Diameter	380 mm (in)
Nominal Impedance	8 Ω
Minimum Impedance	5.8 Ω
Nominal Power Handling ¹	400 W
Continuous Power Handling ²	600 W
Sensitivity ³	101.0 dB
Frequency Range	45 - 4800 Hz
Voice Coil Diameter	75 mm (3.0 in)
Winding Material	aluminum

DESIGN

Surround Shape	Multiroll
Cone Shape	Curvilinear
Magnet Material	Ferrite
Woofer Cone Treatment	Weather protected
Recommended Enclosure	100.0 dm ³ (3.53 ft ³)
Recommended Tuning	45 Hz

PARAMETERS⁴

Resonance Frequency	43 Hz
Re	5.0 Ω
Qes	0.37
Qms	6.2
Qts	0.35
Vas	223.0 dm ³ (7.88 ft ³)
Sd	850.0 cm ² (131.75 in ²)
Xmax	4.5 mm
Mms	63.0 g
Bl	15.1 Txm
Le	1.3 mH
EBP	116 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	387 mm (15.24 in)
Bolt Circle Diameter	370 mm (14.57 in)
Baffle Cutout Diameter	353.0 mm (13.9 in)
Depth	171 mm (6.73 in)
Flange and Gasket Thickness	19 mm (0.75 in)
Net Weight	6.7 kg (14.77 lb)
Shipping Weight	7.7 kg (16.98 lb)
Shipping Box	405 x 405 x 214 mm (15.94x15.94x8.43 in)

1. 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.
2. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
3. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
4. Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.