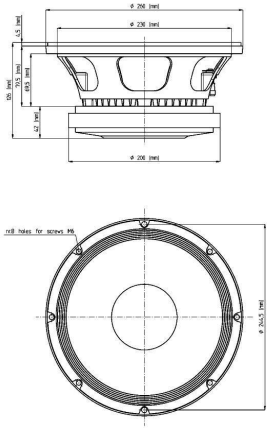
10MB600 8Ω

LF drivers - 10.0 Inches





- 98 dB SPL 1W / 1m average sensitivity
- 75 mm (3 in) Interleaved Sandwich Voice coil (ISV)
- 450 W AES power handling
- Weather protected cone and plates for outdoor usage
- Excellent transient response
- Improved heat dissipation via unique basket design
- Ideal for compact two way and multiway systems

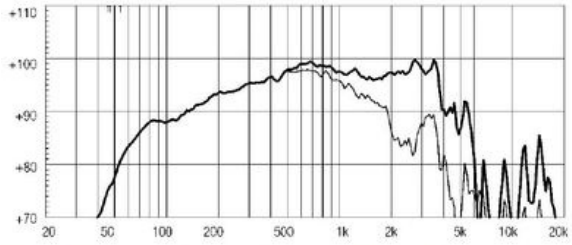
The 10MB600 mid-bass transducer represents a development of the 10M600 midrange, combining excellent linearity with high efficiency and high power handling capabilities. The 10MB600 is primarily intended for use as a midbass driver in extremely compact 2-way reflex enclosures between 10 and 40 lt. Its curvilinear paper cone is formed using a special high strength wood pulp, designed to achieve the best possible rigidity and stiffness. An exclusive treatment is also applied to the cone to increase its water repellent properties. The 75 mm state-of-the-art voice coil is similar to those fitted to our top-of-the-range 18" and 15" models but it is wound with aluminum wire. The coil also employs our Interleaved Sandwich Voice coil (ISV) technology. A high strength fiberglas former carries windings on both the outer and inner surfaces to achieve a mass balanced coil, resulting in an extremely linear motor assembly with a reduced tendency for eccentric behavior when driven hard. The voice coil cooling is achieved using airways between the chassis back plate and the face plate of the magnet which allow heated air from the voice coil and gap to be channeled away and dissipated by the chassis basket. This technology is a result of 3D CAD resource application by our engineers. The top and back plates of the magnet assembly have been designed to optimise flux density and BL factor in the air gap also using our in-house FEA CAD facility. In addition, a special treatment is applied to the top and back plates making the transducer far more resistant to the corrosive effects of salts and oxidization. Hence, the equipment is able to perform outdoors in inclement weather conditions.

Eighteen Sound Srl
Via Botticelli 8 - 42124 Mancasale (RE) - ITALY - Ph. +39 0522 1861800 - Fax +39 0522 1861801 - info@eighteensound.it

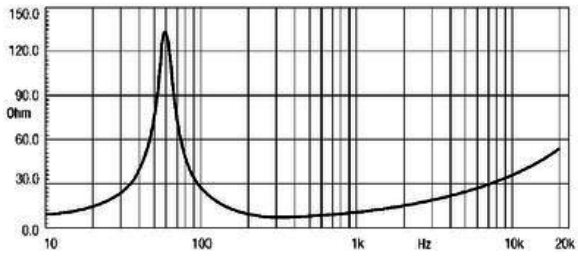
10MB600 8Ω

LF drivers - 10.0 Inches

FREQUENCY RESPONSE CURVE



FREQUENCY RESPONSE CURVE OF 10MB600 MADE ON 30 LIT. ENCLOSURE TUNED AT 55HZ 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



SPECIFICATIONS

Nominal Diameter	260 mm (in)
Nominal Impedance	8 Ω
Nominal Power Handling[1]	450 W
Continuous Power Handling[2]	700 W
Sensitivity[3]	98.0 dB
Frequency Range	55 - 4500 Hz
Voice Coil Diameter	75 mm (3.0 in)
Winding Material	aluminum

DESIGN

Surround Shape	M-roll
Cone Shape	Curvilinear
Magnet Material	Ferrite
Woofer Cone Treatment	Weather protected
Recommended Enclosure	25.0 dm^3 (0.88 ft^3)
Recommended Tuning	65 Hz

PARAMETERS[4]

Resonance Frequency	58 Hz
Re	5.7 Ω
Qes	0.23
Qms	5.5
Qts	0.22
Vas	33.4 dm^3 (1.18 ft^3)
Sd	350.0 cm^2 (54.25 in^2)
Xmax	6.5 mm
Mms	38.0 g
Bl	18.6 Txm
Le	1.6 mH
EBP	252 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	260 mm (10.24 in)
Bolt Circle Diameter	244 mm (9.61 in)
Baffle Cutout Diameter	232.0 mm (9.13 in)
Depth	127 mm (5.0 in)
Flange and Gasket Thickness	14 mm (0.55 in)
Net Weight	7.2 kg (lb)
Shipping Weight	7.9 kg (17.42 lb)
Shipping Box	275 x 275 x 164 mm (10.83x10.83x6.46 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.

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