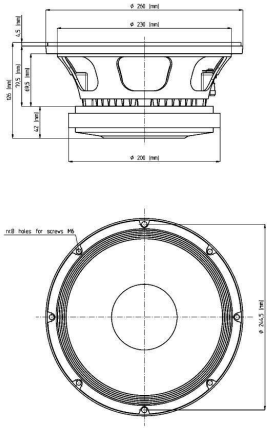
10M600 8Ω

LF drivers - 10.0 Inches





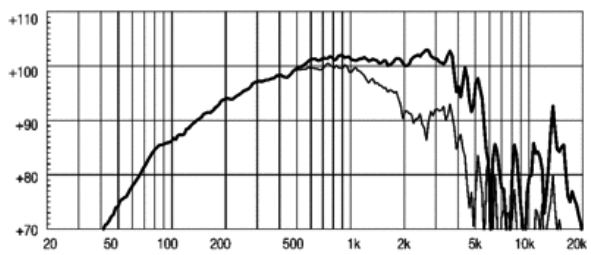
- 102 dB SPL 1W / 1m average sensitivity
- 75 mm (3 in) Interleaved Sandwich Voice coil (ISV)
- 400 W AES power handling
- Excellent transient response
- Improved heat dissipation via unique basket design
- Ideal for direct radiating or horn loaded midrange systems

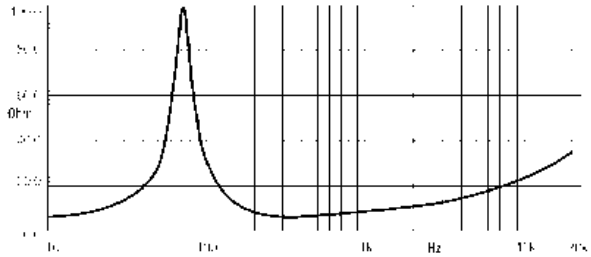
The 10M600 is a top performance 10" ferrite midrange driver which offers high power handling capability with exceptional sensitivity over the middle frequency band. It is suitable for either direct radiating or horn loaded applications as part of a 3 or 4-way auditorium, touring, or outdoor festival sound system. It is the result of an intensive development program which aimed to produce the best 10" ferrite midrange driver available. The smooth curvilinear paper cone has a special high strength wood pulp composition and has been designed to achieve the best possible linearity within the middle frequency range and to control bell-mode resonances around the cone circumference. The cone is carried by a double half-roll suspension composed of a material which is more resistant to aging and fatigue than traditional materials, providing the correct damping and excursion control. The 75 mm state-of-the-art voice coil assembly incorporates a fine edge-wound aluminum wire together with a strong fiberglas former to get the necessary force factor, mass lightness and high power handling. The voice coil is cooled using airways between the chassis back plate and the magnet face plate, which allow heated air from the voice coil and gap to be channeled away and dissipated by the chassis basket. This technology is another product of 3D CAD resource application by our engineers. The magnetic structure has also been optimized using our in-house FEA CAD resource which has maximized the flux density in the voice coil gap. A special treatment is applied to both the top and back plates making them more resistant to the corrosive effects of salts and oxidation. This treatment is more effective than any other treatment in use today.

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10M600 8Ω

LF drivers - 10.0 Inches





SPECIFICATIONS

Nominal Diameter	260 mm (in)
Nominal Impedance	8 Ω
Minimum Impedance	6.4 Ω
Nominal Power Handling[1]	400 W
Continuous Power Handling[2]	500 W
Sensitivity[3]	102.0 dB
Frequency Range	80 - 5200 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	20.0 dm^3 (0.71 ft^3)

PARAMETERS[4]

Resonance Frequency	70 Hz
Re	5.2 Ω
Qes	0.25
Qms	4.5
Qts	0.23
Vas	25.6 dm^3 (0.9 ft^3)
Sd	350.0 cm^2 (54.25 in^2)
Xmax	4.0 mm
Mms	32.0 g
Bl	17.6 Txm
Le	1.28 mH
EBP	280 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	126 mm (4.96 in)
Flange and Gasket Thickness	14 mm (0.55 in)
Net Weight	7.35 kg (16.2 lb)
Shipping Weight	7.8 kg (17.2 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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