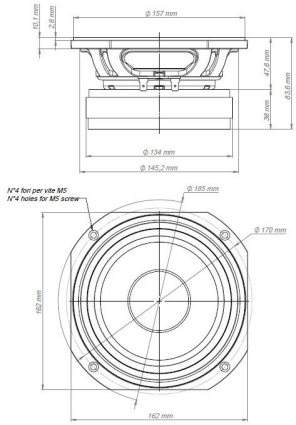
6M44 8Ω

LF drivers - 6.5 Inches





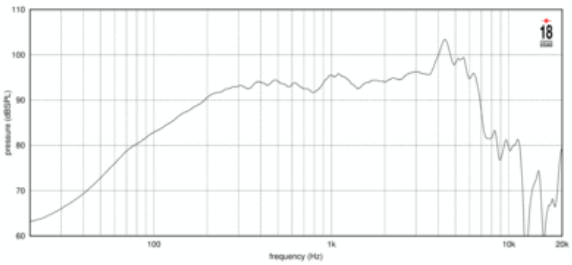
- 44mm CCAW voice coil
- Optimized for horn radiation in small enclosures
- Hugh damping cone
- SDR for low distortion and medium clarity
- High Flux and heat dissipation capabilities

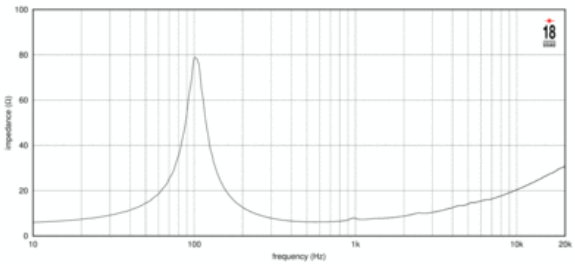
The 6M44 is a high power, high output, 6.5" midrange for high level professional use.The excellent sound quality has been achieved as a result of extensive research on mid frequencies intelligibility. The 6M44 has been designed for use as a midrange in both horn and direct radiation, closer or reflex enclosures, as small as 3 lt. The high damping pulp cone, has been designed to achieve the best possible linearity within its
frequency range. The in-house developed cone treatment is a humidity repellent and also dampens the bell mode resonance significantly. The 44 mm CCAW voice coil assembly is wound on a strong fiberglas former to improve force transmission and power handling. The powerful magnet assembly assures high flux concentration. The force factor and power handling are at an optimum level with improved thermal connection and heat dissipation, further increasing power handling and lowering power compression. The demodulating ring technology reduces inductance and improves transient response and phase control in the mid frequencies.

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6M44 8Ω

LF drivers - 6.5 Inches





SPECIFICATIONS

Nominal Impedance	8 Ω
Minimum Impedance	6.2 Ω
Nominal Power Handling[1]	200 W
Continuous Power Handling[2]	350 W
Sensitivity[3]	95.0 dB
Frequency Range	140 - 7000 Hz
Voice Coil Diameter	44 mm (1.75 in)
Winding Material	aluminum
Winding Depth	13.0 mm (0.51 in)
Magnetic Gap Depth	7.0 mm (0.28 in)

DESIGN

Surround Shape	M-roll
Magnet Material	Ferrite
Woofer Cone Treatment	Weather protected
Recommended Enclosure	3.0 dm^3 (0.11 ft^3)

PARAMETERS[4]

Resonance Frequency	102 Hz
Re	5.3 Ω
Qes	0.31
Qms	4.4
Qts	0.29
Vas	3.8 dm^3 (0.13 ft^3)
Sd	132.0 cm^2 (20.46 in^2)
η_0	1.2 %
Xmax	2.25 mm
Mms	16.0 g
Bl	13.4 Txm
Le	0.32 mH
EBP	329 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	162 mm (6.38 in)
Bolt Circle Diameter	170 mm (6.69 in)
Baffle Cutout Diameter	148.0 mm (5.83 in)
Depth	85 mm (3.35 in)
Flange and Gasket Thickness	13 mm (0.51 in)
Net Weight	3.4 kg (7.5 lb)
Shipping Weight	3.6 kg (7.94 lb)

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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