



8 IT 201 MB is a high-performance 8-inch mid-bass driver designed to deliver articulate midrange and tight bass in compact enclosures. Built around a robust 2-inch CCAW voice coil and a powerful ferrite magnet structure, the driver offers high sensitivity and low distortion performance.

With a resonant frequency of 68 Hz and a well-balanced Qts of 0.33, this driver is optimized for vented enclosures. The motor structure is fine-tuned using Klippel Analyzer System, ensuring exceptional BL symmetry, controlled suspension behaviour, and consistent output under real-world conditions.

The frequency response remains smooth and usable from 80 Hz to 5,000 Hz, making it ideal for midrange duties in PA systems, floor monitors, and musical instrument cabinets. Whether used in two-way or three-way systems, the 8 IT 201 MB delivers clean, punchy sound reproduction.

Recommended Crossover Points

Filter Type	Frequency	Slope
High-Pass Filter (HPF)	100 Hz	24 dB/Oct (Linkwitz-Riley)
Low-Pass Filter (LPF)	4.5 kHz	18 dB/Oct (Butterworth)

Recommended Enclosure

Type	Internal Volume	Tuning Frequency (Fb)	Port Size (Dia x Length)
Vented	12 – 18 Liters	65 – 70 Hz	3" x 10–12 cm

Applications

- Portable PA Systems
- Line Array Mid-Bass Sections
- Floor Monitors
- Musical Instrument Cabinets
- Vocal Reinforcement Systems

Why Choose 8IT201 MB?

- Tested with Klippel Analyzer System for low distortion and symmetric motor behavior
- Ideal usable range from 80 Hz to 5 kHz, perfect for mid-bass and vocals
- Designed for compact enclosures with efficient porting
- Delivers high SPL output with clean transients and tonal accuracy
- Rugged build for reliable performance in portable and installed sound systems

SPECIFICATIONS & PARAMETERS

Specifications

Nominal Diameter	208 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	200 W
Program Power	400 W
Sensitivity (1W/1m)	95 dB
Frequency Range	68-6000 Hz
Magnet Material	Ferrite
Voice Coil Diameter	51.2 mm (2 in)
Winding Material	CCAW
Former Material	Kapton
Winding Type	In/Out

Mounting Info

Overall Diameter	208 mm
Bolt Circle Diameter	186 mm
Baffle Cutout Diameter	89 mm
Depth	11 mm
Flange and Gasket Thickness	3.72 Kgs
Gross Weight	3.2 Kgs

Parameters

Resonant Frequency	Fs	68 Hz
DC Resistance	Re	7 Ω
Electrical Q	Qes	0.4
Mechanical Q	Qms	2.06
Total Q	Qts	0.33
Compliance Equivalent Volume	Vas	16 Ltrs
Peak Diaphragm Displacement Volume	Vd	0.03 Ltrs
Effective Surface Area of Cone	Sd	227 cm ²
Reference Efficiency	η_0	1.92%
Moving Mass including air load	Mms	16.10 gms
Motor Strength	Bl	11.05 T-m
Voice Coil Inductance	Le	0.31 mH
Efficiency Bandwith Product	EBP	170 Hz
Voice Coil Overhang	Xmax	± 1.5 mm

Recone Kit

Recone Kit Number	REC8IT201MB
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$Z(f,x=0)$ Impedance

