

15 PT 800 MB

SWETON®



The **15 PT 800 MB** is a 15-inch mid-bass transducer built for professionals demanding deep punch, fast attack, and unmatched durability. Backed by Klippel-verified small signal parameters, it's optimized to deliver articulate mid-bass with low distortion.

With a resonant frequency of 54 Hz, Qts of 0.47, and motor strength of BI 22.91 N/A, this driver is an ideal choice for vented enclosures tuned around 55–60 Hz. Its linear excursion of ± 5.90 mm ensures clean output without distortion even under high drive conditions.

Engineered with 918.63 cm² cone area, 4-inch high-temp voice coil, and robust ferrite magnet, the 15PT800 MB offers real-world SPL and longevity that touring and rental professionals trust.

Recommended Enclosure Design

Type	Net Volume	Tuning Frequency	Port Suggestion
Vented	110 – 125 L	55 – 58 Hz	Dual ports: 4" dia × 180 mm length

Recommended HF Driver Pairing

Parameter	Value
Power Handling	80–100W AES
Sensitivity	106–110 dB SPL
Diaphragm Type	Titanium
Exit Size	1" or 1.4" compression driver

Crossover Recommendations:

Component	Crossover Point	Slope
Low Pass	LPF: 2.2 – 2.5 kHz	12–18 dB/oct
HF Compression	HPF: 1.6 – 1.8 kHz	12–18 dB/oct

Applications:

- Mid-bass enclosures in 3-way systems
- High-power PA systems and ground stacks
- Stage monitors needing low-end punch
- Ideal for festivals, rentals, and touring rigs

Why Choose 15PT800 MB?

- Deep & tight mid-bass response
- Klippel-certified small signal performance
- Proven reliability at 800W AES
- Great motor strength with BI 22.91 N/A

SPECIFICATIONS & PARAMETERS

Specifications

Nominal Diameter	388 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	800 W
Program Power	1600 W
Sensitivity (1W/1m)	96 dB
Frequency Range	55-3000 Hz
Magnet Material	Ferrite
Voice Coil Diameter	99.3 mm (4 in)
Winding Material	CCAR
Former Material	GLASS FIBRE
Winding Type	OUTSIDE

Mounting Info

Overall Diameter	388 mm
Bolt Circle Diameter	373 mm
Baffle Cutout Diameter	358 mm
Depth	151 mm
Flange and Gasket Thickness	13 mm
Gross Weight	16 Kgs

Parameters

Resonant Frequency	Fs	54 Hz
DC Resistance	Re	5.2 Ω
Electrical Q	Qes	0.48
Mechanical Q	Qms	13.06
Total Q	Qts	0.47
Compliance Equivalent Volume	Vas	72.95 Ltrs
Peak Diaphragm Displacement Volume	Vd	0.41 Ltrs
Effective Surface Area of Cone	Sd	918.63 cm ²
Reference Efficiency	η_0	2.26%
Moving Mass including air load	Mms	142.10 gms
Motor Strength	Bl	22.91 T-m
Voice Coil Inductance	Le	0.71 mH
Efficiency Bandwidth Product	EBP	113 Hz
Voice Coil Overhang	Xmax	± 5.90 mm

Recone Kit

Recone Kit Number	REC15PT800MB
-------------------	--------------

Z(f,x=0) Impedance

