

15 PT 1000 MB[2.0]

SWETON®



Unleash the true essence of low-end punch with the **15 PT 1000 [2.0]**, a 15-inch midbass speaker engineered for professionals who demand deep, tight, and high-SPL midbass performance in touring and outdoor systems.

At the heart lies a massive 4-inch high-temperature voice coil and a precision-aligned motor structure delivering 1000W AES power. Built using state-of-the-art Klippel Laser Analysis, this transducer exhibits superior BI symmetry, minimal distortion, and exceptionally controlled excursion up to 5.3 mm.

With a resonance frequency of just 60 Hz, a strong motor force factor of 22.72 N/A, and a hefty Mms of 146.60 g, the 15 PT 1000 [2.0] is tailored for chest-thumping punch and dynamic transients.

Whether it's for a powerful 2-way system, mid bass reinforcement, or drum fills, this driver maintains clarity across the entire 60 Hz to 3.5 kHz range, making it a go-to choice for PA installers and sound professionals.

Recommended Enclosure with Port Details

Enclosure Type	Internal Volume	Tuning Frequency	Port Size (Diameter x Length)	Number of Ports	Notes
Vented (Bass Reflex)	130–150 Litres	50 Hz	100 mm (4") Ø x 200 mm	1 port	Use flared ports to reduce chuffing
Sealed	90 – 100 Litres	—	—	—	For tighter bass and vocal-focused applications

Recommended HF Driver Pairing

Parameter	Recommendation
Power Rating	100–150W AES
Sensitivity	108–110 dB SPL
Diaphragm Type	Titanium, Ferrite or Neo Magnet
Exit Size	1.4" preferred for balanced vocal band

Crossover Recommendation:

Band	Frequency	Slope
LPF for Midbass	2.8–3.2 kHz	12 or 18 dB/oct
HPF for HF	1.8–2.0 kHz	18 dB/oct

Applications:

- High-output 2-way PA cabinets
- Floor monitors and drum fill cabinets
- Festival sound systems needing low-end body

Why Choose 15 PT 1000 [2.0]

- Designed with Klippel Nonlinear Analysis
- Deep, tight punch with high power handling
- Smooth frequency extension with low distortion
- Engineered for tough Indian outdoor conditions
- Ideal for bass-focused vocals, dhol, and percussion

SPECIFICATIONS & PARAMETERS

Specifications

Nominal Diameter	388 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	1000 W
Program Power	2000 W
Sensitivity (1W/1m)	95 dB
Frequency Range	60-3500 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	14.20 Kgs

Parameters

Resonant Frequency	Fs	60 Hz
DC Resistance	Re	5.85 Ω
Electrical Q	Qes	0.63
Mechanical Q	Qms	13.65
Total Q	Qts	0.6
Compliance Equivalent Volume	Vas	56.21 Ltrs
Peak Diaphragm Displacement Volume	Vd	0.41 Ltrs
Effective Surface Area of Cone	Sd	918.63 cm ²
Reference Efficiency	η_0	1.89%
Moving Mass including air load	Mms	146.60 gms
Motor Strength	Bl	22.72 T-m
Voice Coil Inductance	Le	0.53 mH
Efficiency Bandwith Product	EBP	95 Hz
Voice Coil Overhang	Xmax	± 5.3 mm

Recone Kit

Recone Kit Number	REC15PT1000MB[2.0]
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Z(f,x=0) Impedance

