

21 PT 2000 SUB

SWETON®



The **21 PT 2000 SUB** is a true powerhouse engineered to shake the ground beneath your feet. With a massive 5.5-inch voice coil, dual magnet motor structure, and a mighty 2000W AES power handling, this subwoofer is designed for ultra-heavy-duty bass applications like DJ events, large PAs, concerts, and mobile sound systems.

The incredible motor strength (BI = 47.20 N/A) and Mms of 539.10 g work together to deliver deep, controlled, and powerful low-end performance. With a usable range extending down to ~35 Hz and a high SPL (~95 dB), this subwoofer dominates where it matters most — clean, thunderous bass with authority.

Recommended Enclosure Designs:

Enclosure Type	Volume (Net)	Port Tuning	Notes
Vented (Bass Reflex)	190–220 litres	~34 Hz	Strong SPL, deep extension with punch
4th Order Bandpass	100L sealed + 160L ported	34–38 Hz	Max SPL, tight bass, good for DJ cabinets
6th Order Bandpass	90L sealed + 180L ported	Dual ports (32 Hz & 70 Hz)	More complex but extremely efficient SPL

HF Driver Recommendation

Parameter	Recommendation
Power Rating	100–150W AES
Sensitivity	108–110 dB SPL
Diaphragm Type	Titanium preferred for clarity and power
Exit Size	1.4" Compression Driver

Crossover Recommendation:

Driver	Crossover Type	Frequency Range	Slope
21 PT 2000 SUB	Low Pass	90–120 Hz	18–24 dB/oct
HF Driver	High Pass	1.2 kHz and above	12–18 dB/oct

Application

- Touring PA systems
- DJ and mobile sound setups
- Outdoor events and festivals
- Stadium and ground-level reinforcement
- Premium bass-heavy installations

Why Choose 21 PT 2000 SUB?

- Extreme SPL with deep, impactful bass
- Designed for Indian rugged conditions
- High displacement ensures ground-shaking output
- Supports advanced bandpass enclosures
- Compatible with high-efficiency HF drivers

SPECIFICATIONS & PARAMETERS

Specifications

Nominal Diameter	544 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	2000 W
Program Power	4000 W
Sensitivity (1W/1m)	95 dB
Frequency Range	35-500 Hz
Magnet Material	Ferrite
Voice Coil Diameter	140 mm (5.5 in)
Winding Material	COPPER
Former Material	GLASS FIBRE
Winding Type	In/Out

Mounting Info

Overall Diameter	544 mm
Bolt Circle Diameter	525 mm
Baffle Cutout Diameter	496 mm
Depth	212 mm
Flange and Gasket Thickness	20 mm
Gross Weight	42.5 Kgs

Parameters

Resonant Frequency	Fs	34 Hz
DC Resistance	Re	6.5 Ω
Electrical Q	Qes	0.34
Mechanical Q	Qms	15.73
Total Q	Qts	0.33
Compliance Equivalent Volume	Vas	169.31 Ltrs
Peak Diaphragm Displacement Volume	Vd	3.90 Ltrs
Effective Surface Area of Cone	Sd	1698.23 cm ²
Reference Efficiency	η_0	1.83%
Moving Mass including air load	Mms	539.10 gms
Motor Strength	Bl	47.20 T-m
Voice Coil Inductance	Le	3.68 mH
Efficiency Bandwidth Product	EBP	100 Hz
Voice Coil Overhang	Xmax	± 11.5 mm

Recone Kit

Recone Kit Number	REC21PT2000SUB
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Z(f,x=0) Impedance

