



Key Selling Point

- The world's first, patented HVT (Horizontal Vertical Transforming) technology from Pioneer enables a micro-height subwoofer system to produce bass output and sound of quality equal to that of conventional subwoofer systems.
- Dual symmetric diaphragms positioned vertically in a bi-polar configuration increase output and minimize internal loss.
- Height of just 60 mm provides ultimate flexibility of installation (including relatively hard-to-fit installation under seats) for various types of vehicles.

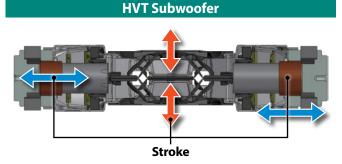
Main Specifications

Max. Output Power	150 W
Nominal Output Power	50 W
Frequency Response	20Hz to 200Hz
Sensitivity	98dB
Impedance	4Ω
Size	18cm x 10cm x 2

Subwoofer Technology

■ Wide-range Bass Sound

Conventional Subwoofer Stroke





The cone and voice coil in a conventional subwoofer move only vertically, which makes it difficult to reproduce deep bass

The HVT subwoofer which does not rely on depth within its enclosure, reproduces deep bass even in a shallow structure.

■ Clear Sound & Less Noise



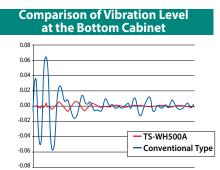
Vibration of Bottom Cabinet

Forces of action and reaction forces make the chassis vibrate and generate noise.



Less Vibration & Less Noise

The TS-WH500A voice coil and diaphragm work in symmetry to cancel unnecessary vibrations and reduce noise which instead would travel through the vehicle's body.



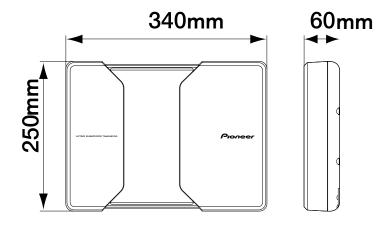
Unnecessary vibrations are drastically decreased.

■ Easy & Flexible Installation

The TS-WH500A will fit easily in a wide range of vehicle applications (compact and subcompact vehicles, hybrid vehicles, and the compact vehicles is a subcompact vehicle of the compact vehicles oftrucks and SUVs,etc.) without sacrificing performance or sound quality.



/ Dimension



For more information please visit www.pioneer-mea.com

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