WOLFVONLANGA

HIGH END LAUTSPRECHER

# Loudspeaker System WVL 12639 SON

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|---|---|---|
| **Principle** | Three ways in FC-HRP technology (Field Coil current controlled woofer with passive radiator according to the Helmholtz Resonator Principle) and Jet tweeter with excellent impulse behavior due to best mass-surface ratio. | |
| **System** | Modular | Asymmetrical resonance decoupled tweeter. Adjustable by magnetic closure. |
| | Material | High-density fibreboard (acoustically inert) with double-sided PMMA coating and PMMA with high internal damping. |
| **Dimensions (W x H x D)** | Low/mid frequency module: 404 x 700 x 300 mm<br>High frequency module: 404 x 170 x 60 mm | |
| **Weight** | 42 kg | |
| **Frequency response** | 20 Hz - 25,000 Hz (high efficiency, therefore already excellent to operate with low amplifier power). | |
| **Power rating** | 150 Watts limiting continous power<br>1500 Watt peak power handling (10 ms) | |
| **Impedance** | 8 Ohms | |
| **Efficiency** | 94 dB / 1 W / 1m | |
| **High frequency module** | Tweeter | Magnetostatic dipole surface radiator with tunable base width and adjustable time alignment. |
| **Low/mid frequency module** | Front | Effective membrane area of 530 cm². Torsion stiff but extremely light paper silk cone with underhung voice coil made of edge wound copper coated aluminium flat wire. Current-controlled magnetic field. |
| | Rear | High-strength aluminum passive radiator matched to active driver. No flow noise or artifacts. |
| **Network** | Separate high-frequency and low/mid frequency section, pure copper air inductors and high-speed low loss film capacitors. | |
| **Terminals** | WBT NextGen PlasmaProtect pure copper terminals for bi-wiring or bi-amping. Two bridges are required for two-pole loudspeaker cables. | |
| **Finish** | Enclosure | Optionally high-gloss white and black. Veneer on request. High-frequency panel transparent polished. |

Illustration shows model in wood

Subject to technical changes without prior notice

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