

RS-W10D2 / RS-W10D4

R-Series Shallow Subwoofer 2024 – High Performance Subwoofer



General



Optimized performance in a compact design

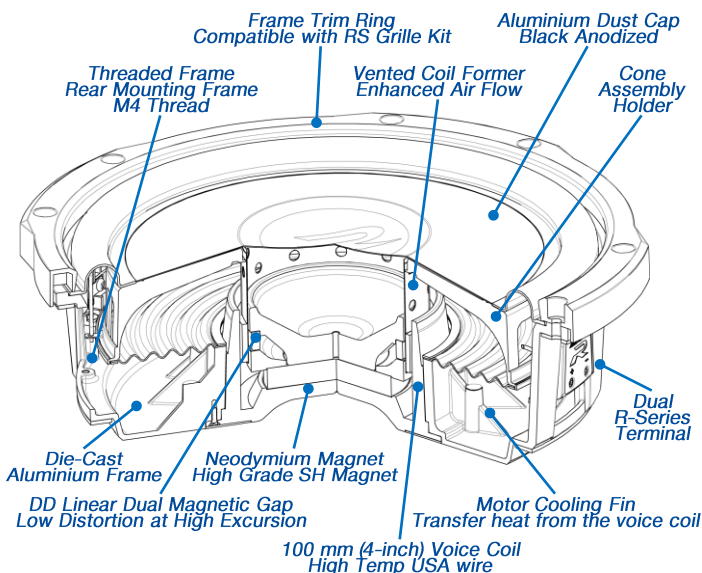
More bass with less space – Alpine's new Shallow R-Series rise to the top, giving you extraordinary bass performance in an ultra-compact form to suit and fit into virtually any application.

Alpine takes compact bass to the next level with a state-of-the-art design coupled engineering innovation to accomplish an ultra-shallow profile without compromising on bass level output and quality in any way.



Extreme Output

Don't let the size fool you – the R-Series Shallow Subwoofers feature the same cone movement (20 mm of excursion) as the full-size R2-Series Subwoofers for extreme output in a shallow woofer design. At the heart of the R-Series Shallow Subwoofers is an oversized 4-inch (10 cm) voice coil that is controlled by a powerful neodymium magnet for 600 W RMS of power handling.



Specifications

General

■ 25 cm (10-inch) Subwoofer	
■ Dual Voice Coil	2x 2 Ohm / 2x 4 Ohm
■ Power Handling (RMS)	600 Watt
■ Power Peak Handling	1800 Watt
■ Power Range	500 – 600 Watt
■ Voice Coil Diameter	100 mm (4-inch)
■ Magnet Weight	10,4 oz (ca. 295 g)
■ Frequency Response	25 Hz – 100 Hz
■ Sensitivity (SPL)	79 dB / 78 dB (@1W/1m)
■ Mounting Depth	81 mm
■ Mounting Diameter	243 mm

TSP / Thiele Small Parameter

■ Cone Area (Sd)	380 cm ²
■ Linear Excursion 1-way (Xmax)	±20 mm
■ Mechanical Travel (Xmech, P-P)	54 mm
■ DC Resistance (Re)	1,8 Ω + 1,8 Ω / 3,6 Ω + 3,6 Ω
■ Free Air Resonance (Fs)	30 Hz / 31 Hz
■ Equivalent Stiffness (Vas)	20,64 Litre / 23,35 Litre
■ Mechanical Q (Qms)	6,667 / 5,72
■ Electrical Q (Qes)	1,11 / 1,66
■ Total Q (Qts)	0,95 / 1,19

Enclosure Volume Recommendation – Sealed Box

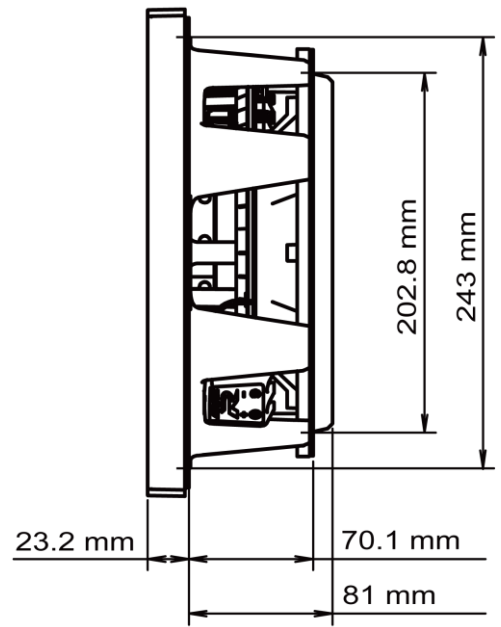
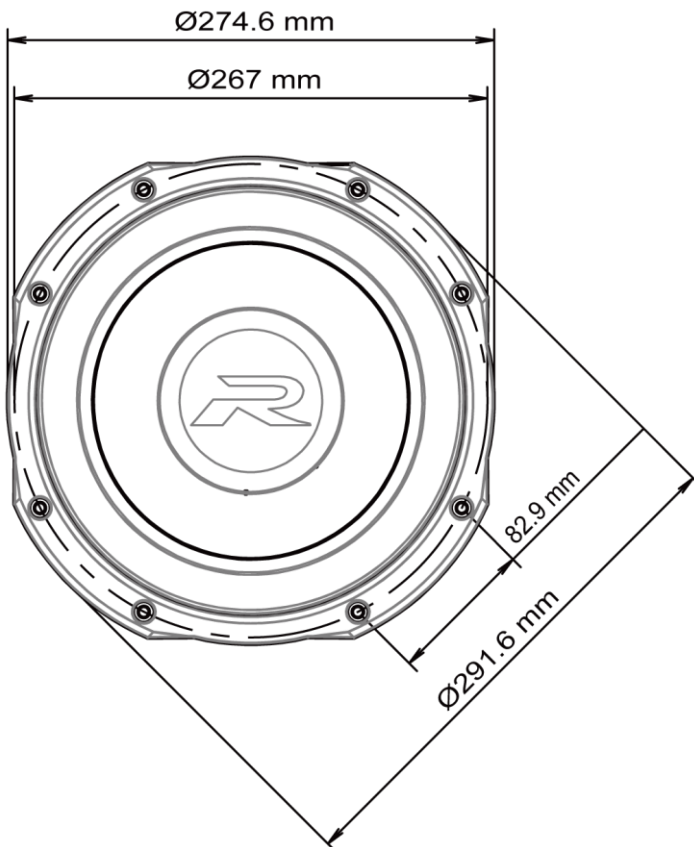
■ Sealed Box Range (Net Int. Vol.)	12,7 – 28,3 Litre
■ Recommended small	Gross 15,3 Litre Net 14,2 Litre Dimension 406 mm x 381 mm x 159 mm F3, Fb D2: 32 Hz, D4: 44 Hz
■ Recommended medium	Gross 22,4 Litre Net 21,2 Litre Dimension 457 mm x 381 mm x 178 mm F3, Fb D2: 30 Hz, D4: 40 Hz
■ Recommended large	Gross 29,5 Litre Net 28,3 Litre Dimension 508 mm x 381 mm x 222 mm F3, Fb D2: 28 Hz, D4: 38 Hz
■ Displacement Volume	1,13 Litre

RS-W10D2 / RS-W10D4

R-Series Shallow Subwoofer 2024 – High Performance Subwoofer



Dimensions



Optional

KTE-RS10G

10-inch grille for RS-W10D2 / RS-W10D4

