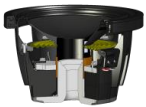


R2-W12D2 / R2-W12D4

R-Series 2022 – High Performance Subwoofer



General



The Next Evolution of Proven Performance

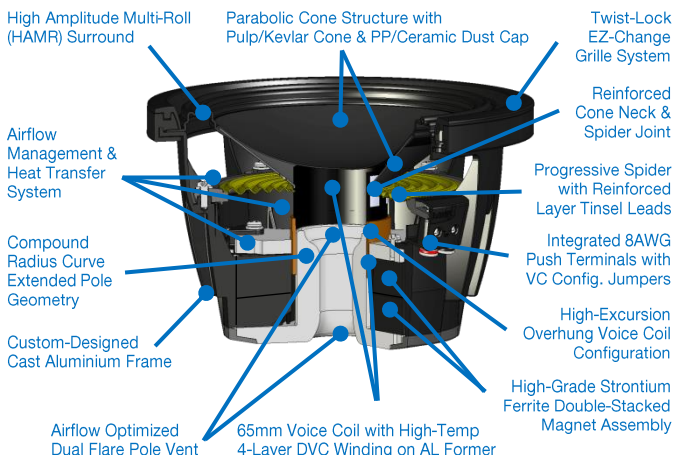
The new 2022 R-Series subwoofers are here - drawing from decades of subwoofer engineering experience. The 2nd-Gen R-Series subwoofers now feature larger, double-stacked magnets that contribute more motor force for deeper bass and tighter bass control from the subwoofer cone compared to the previous generation. An integrated Faraday ring minimizes distortion for cleaner bass output. A Kevlar-treated cone ensures durability in the subwoofer for reliable performance, even at high volumes.



Optimal power consumption

All four 10 and 12 inch subwoofers are here - drawing from decades of subwoofer engineering experience. The new 2022 R-Series have a rated power of 750 W RMS. These subwoofers perfectly match with the R-A75M mono amplifier for an efficient system.

There are six new models of subwoofers R-Series: R2-W12D4 (12-Zoll, 2x 4 Ω), R2-W12D2 (12-Zoll, 2x 2 Ω), R2-W10D4 (10-Zoll, 2x 4 Ω), R2-W10D2 (10-Zoll, 2x 2 Ω), R2-W8D4 (8-Zoll, 2x 4 Ω), R2-W8D2 (8-Zoll, 2x 2 Ω).



Specifications

General

■ 30 cm (12-inch) subwoofer	
■ Dual Voice Coil	2x 2 Ohm / 2x 4 Ohm
■ Power Handling (RMS)	750 Watts
■ Power Peak Handling	2250 Watts
■ Power Range	300 – 750 Watts
■ Voice Coil Diameter	65,5 mm (2,6-inch)
■ Magnet Weight	144 oz (approx. 4082 g)
■ Frequency Response	24 Hz – 200 Hz
■ Sensitivity (SPL)	85,0 dB / 84,6 dB (@1W/1m)
■ Mounting Depth	163,2 mm
■ Mounting Diameter	275,0 mm

TSP / Thiele Small Parameters

■ Cone Area (Sd)	479 cm ²
■ Linear Excursion 1-way (Xmax)	±20 mm
■ Mechanical Travel (Xmech, P-P)	72 mm
■ DC Resistance (Re)	1,9 Ω + 1,9 Ω / 3,5 Ω + 3,5 Ω
■ Free Air Resonance (Fs)	29 Hz / 30 Hz
■ Equivalent Stiffness (Vas)	36,9 Litre / 32,8 Litre
■ Mechanical Q (Qms)	6,32 / 6,51
■ Electrical Q (Qes)	0,44 / 0,55
■ Total Q (Qts)	0,41 / 0,51

Enclosure Volume Recommendation

■ Sealed Box Range	Net Internal Volume	15,6 – 28,3 Litre
■ Sealed Box Recommended	Gross Int. Volume	24,1 Litre
	Net Internal Volume (F3, Qtc)	21,2 Litre
		D2: 43 Hz; 0,65
		D4: 39 Hz; 0,84
■ Vented Box Range	Net Internal Volume	28,3 – 42,5 Litre
■ Vented Box Recommended	Tuning Frequency	33 – 37 Hz
	Gross Int. Volume	54,1 Litre
	Vent Area	121 cm ² (31,8 x 3,81 cm)
	Vent Length	55,9 cm
	Vent Displacement	10,2 Litre
	Net Int. Volume (Vb)	41,1 Litre
	F3, ripple, Fb	D2: 29 Hz; 4,3 dB; 36 Hz
		D4: 28 Hz; 5,8 dB; 36 Hz

R2-W12D2 / R2-W12D4

R-Series 2022 – High Performance Subwoofer



R SERIES

Dimensions

