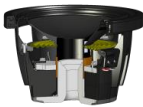


R2-W8D2 / R2-W8D4

R-Series 2022 – High Performance Subwoofer



General



The Next Evolution of Proven Performance

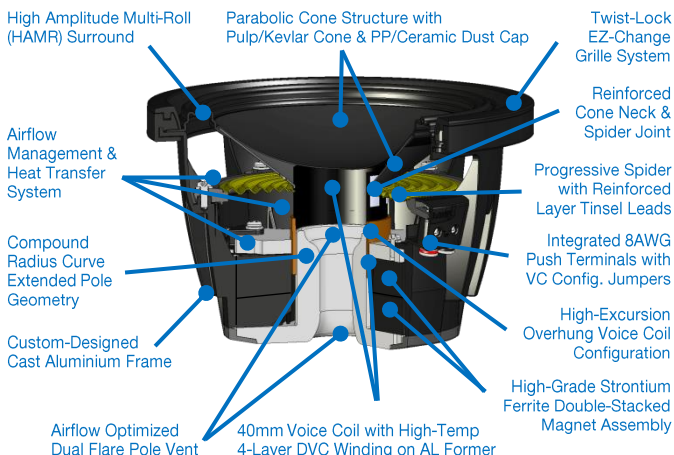
The new 2022 R-Series subwoofers are here - drawing from decades of subwoofer engineering experience. The 2nd-Gen R-Series subwoofers now feature larger, double-stacked magnets that contribute more motor force for deeper bass and tighter bass control from the subwoofer cone compared to the previous generation. 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 of 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

■ 20 cm (8-inch) subwoofer	
■ Dual Voice Coil	2x 2 Ohm / 2x 4 Ohm
■ Power Handling (RMS)	350 Watts
■ Power Peak Handling	1000 Watts
■ Power Range	150 – 350 Watts
■ Voice Coil Diameter	40 mm (1,6-inch)
■ Magnet Weight	56 oz (approx. 1588 g)
■ Frequency Response	30 Hz – 200 Hz
■ Sensitivity (SPL)	83,6 dB / 83,7 dB (@1W/1m)
■ Mounting Depth	115,8 mm
■ Mounting Diameter	175,6 mm

TSP / Thiele Small Parameters

■ Cone Area (Sd)	201 cm ²
■ Linear Excursion 1-way (Xmax)	±12 mm
■ Mechanical Travel (Xmech, P-P)	52 mm
■ DC Resistance (Re)	1,8 Ω + 1,8 Ω / 3,6 Ω + 3,6 Ω
■ Free Air Resonance (Fs)	42 Hz / 43 Hz
■ Equivalent Stiffness (Vas)	10,1 Litre / 10,5 Litre
■ Mechanical Q (Qms)	7,69 / 7,08
■ Electrical Q (Qes)	0,52 / 0,58
■ Total Q (Qts)	0,48 / 0,53

Enclosure Volume Recommendation

■ Sealed Box Range	Net Internal Volume	4,25 – 12,74 Litre
■ Sealed Box Recommended	Gross Int. Volume	8,5 Litre
	Net Internal Volume (F3, Qtc)	7,1 Litre
		D2: 59 Hz; 0,73
		D4: 59 Hz; 0,72
■ Vented Box Range	Net Internal Volume	7,1 – 19,8 Litre
■ Vented Box Recommended	Tuning Frequency	36 – 40 Hz
	Gross Int. Volume	24,4 Litre
	Vent Area	51,6 cm ² (20,32 x 2,54 cm)
	Vent Length	44,45 cm
	Vent Displacement	3,7 Litre
	Net Int. Volume (Vb)	19,3 Litre
	F3, ripple, Fb	D2: 33 Hz; 2,5 dB; 39 Hz
		D4: 32 Hz; 3,2 dB; 39 Hz

R2-W8D2 / R2-W8D4

R-Series 2022 – High Performance Subwoofer



R SERIES

Dimensions

