

12" / 30 cm dual voice coil subwoofer



Technical data:

Power handling:	<i>RMS / Max.</i>	300 / 600 Watts
Impedance:	<i>Z</i>	2 x 2 Ohms
Voice coil diameter:	\emptyset	50.8 mm
Voice coil winding height:		24 mm
Max. linear excursion:	<i>X_{max}</i>	+/- 8 mm
Cone area:	<i>S_d</i>	515 cm ²
Moving mass:	<i>M_{ms}</i>	134 g
DC resistance:	<i>R_e</i>	2 x 1.6 Ohms
Resonance frequency:	<i>F_s</i>	32 Hz
Mechanical Q factor:	<i>Q_{ms}</i>	3.70
Electrical Q factor:	<i>Q_{es}</i>	0.46
Total Q factor:	<i>Q_{ts}</i>	0.41
Equivalent air volume:	<i>V_{as}</i>	66 L
Voice coil inductance:	<i>L_e</i>	2.2 mH
Force factor:	<i>B*l</i>	13.7 Tm
Efficiency 1 W / 1 m:	SPL	90 dB

Dimensions:

Outer diameter:	\emptyset	317 mm / 12.48"
Cutout diameter:	\emptyset	281 mm / 11.06"
Mounting depth:		144 mm / 5.67"

Recommended enclosure:

Sealed box

Sealed net volume:	18 L
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Ported box

Vented net volume:	30 L
Port diameter:	\emptyset 10 cm
Port area:	78 cm ²
Port length:	28 cm
Port tuning frequency:	<i>F_b</i> 39 Hz