

## Technical Datas

	<b>8" Vanadium</b>	<b>10" Vanadium</b>	<b>12" Vanadium</b>
	8 inch	10 inch	12 inch
<b>Part number</b>	<b>231595</b>	<b>231596</b>	<b>231597</b>
Peak power handling	250 Watts	450 Watts	600 Watts
Nominal power handling	30 - 150 Watts	50 - 250 Watts	50 - 350 Watts
Frequency response	30 - 200 Hz	28 - 200 Hz	25 - 200 Hz
Impedance	2 x 3.6 Ohms @ 100Hz	2 x 3 Ohms @ 100Hz	2 x 3 Ohms @ 100Hz
Max. SPL (in car, ported)	128 dB @ 35-120Hz	136 dB @ 35-120Hz	146 dB @ 35-120Hz
Magnet weight	1100 Gramms	2780 Gramms	2780 Gramms
External diameter	221 mm	280 mm	330 mm
Installation diameter	183 mm	231 mm	281 mm
Basket rim height without / with ring	5 mm	6 mm	6 mm
Mounting depth	104 mm	133 mm	151 mm
Overall depth	108 mm	139 mm	157 mm
Magnet diameter	100 mm	158 mm	158 mm
Displacement	1.0 Litres	2.00 Litres	3.00 Litres
<b>Suitable for...</b>	<b>enclosures</b>	<b>enclosures</b>	<b>enclosures</b>
Fs	35.00 Hz	30.00 Hz	25.00 Hz
Redc*	7.00 Ohms	6.32 Ohms	6.20 Ohms
Qms	6.89	5.01	6.00
Qes	0.63	0.42	0.37
Qts	0.57	0.39	0.35
Le*	2.33 mH	5.04 mH	4.50 mH
Vas	28.00 Litres	32.00 Litres	80.00 Litres
Sd	217.00 cm <sup>2</sup>	347.00 cm <sup>2</sup>	510.00 cm <sup>2</sup>
Z @ 100 Hz*	8.50 Ohms	8.40 Ohms	7.60 Ohms
Z @ 1 kHz*	19.30 Ohms	37.00 Ohms	34.00 Ohms

Z @ 10 kHz*	104.00 Ohms	186.00 Ohms	175.00 Ohms
Rms	1.85 kg/s	5.80 kg/s	4.80 kg/s
Xmax	14.00 mm	32.00 mm	32.00 mm
<b>Enclosure: Sealed</b>	26 Litres	16 Litres	30 Litres
<b>Enclosure: Ported</b>	26 Litres	30 Litres	33 Litres
<b>Enclosure: Aeroport tube / length</b>	3" / 240 mm	3" / 370 mm	3" / 270 mm

\*If dual voice coil subwoofer: This specifications are measured with the subwoofer voice coils in series. For parallel wired specifications divide Redc, Le and Z by 4. All other specifications remain the same.

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