

# FOR-X

## Model No.: X-512SPL

12inch High Performance Car Subwoofer Chassis



### Specifications

- \* Die-cast Aluminum frame
- \* Non-pressed paper cone with High foam surround
- \* Convex IMPP Dust-cap
- \* Hi-temp 3inch-4Layers Voice Coil
- \* High efficiency Optimized FEA Motor
- \* Stiff Nomex spider with Flat tinsel leads
- \* Chromed Vented T plate
- \* Pressed Binding Post Terminal

### General Data

Overall Diameters	<b>DxH</b>	327*245mm
RMS Power Handling	<b>RMS</b>	1500Watts
Max.Power Handling	<b>MAP</b>	3000Watts
Sentivity 2.83V/1M/1W	<b>SPL</b>	87dB
Normal Impedance	<b>OHM</b>	Dual 2 ohm & Dual 4 ohm
Frequency Response	<b>H.Z.</b>	22-100Hz
Net Weight	<b>N.W.</b>	21.05Kgs

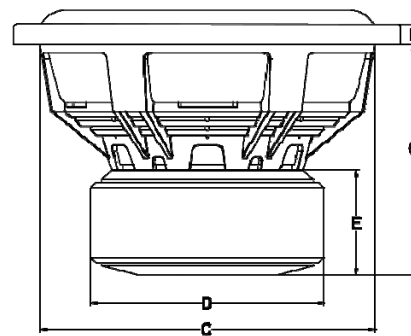
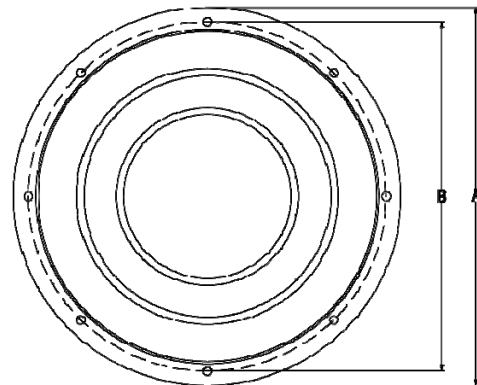
### Voice and Magnet Parameters

Voice Coil Bobbin	<b>VCB</b>	Black Aluminum
Voice Coil Wire	<b>VCW</b>	Copper
Voice Coil Diameter	<b>VCD</b>	∅ 76.5mm/3.01"
Coil Bobbin Hight	<b>VBH</b>	115mm/4.53"
Coil Winding Hight	<b>CWH</b>	50mm/1.97"
Magnet Material		Ferrite / Y35
Magnet Dimension	<b>M.D</b>	∅ 220mm*60mm
Magnet Weight	<b>M.W.</b>	300 Oz
Magnet Cover	<b>M.C.</b>	Rubber

### Voice and Magnet Parameters

DC Resistance	<b>Re</b>	2+2	3.8+3.8	ohm
Resonant Frequency	<b>Fs</b>	32.7	35.3	Hz
Suspension Compliance	<b>Cms</b>	0.08	0.06	mm/N
Mechanical Q Factor	<b>Qms</b>	3.69	3.31	
Electrical Q Factor	<b>Qes</b>	0.26	0.31	
Total Q Factor	<b>Qts</b>	0.25	0.28	
Moving Mass	<b>Mms</b>	312	314	gr
Eq.Cas Air Load ( Liters)	<b>VAS</b>	23.6	20.2	L
Froce Factor	<b>BI</b>	31.3	41.6	n/A
Effective X-max	<b>Xmax</b>	50	50	mm

### Dimension



Overall Diameter	<b>A</b>	327mm
Front Mounting Diameter	<b>B</b>	302mm
Back Mounting Diameter	<b>C</b>	283mm
Motor Diameter	<b>D</b>	225mm
Motor Height	<b>E</b>	100mm
Gasket Thickness	<b>F</b>	19mm
Mounting Depth	<b>G</b>	212mm
Overall Height	<b>H</b>	245mm

\*All information listed only for reference