



## SWR 308

308 SWR 51 147 NX ALP 4L 4 ohm - Order ID: 830515

By introducing the new range of Xtra Long Stroke (XLS) subwoofers, Peerless has pushed the performance limits for subwoofers. The 12" XLS/subwoofer will fulfil every demand for deep clean bass reproduction in sealed cabinets from 22 liters.

In the design the emphasis has been put in achieving extreme deep bass, long time reliability, high power handling, and very low distortion - also under very large sound pressures.

The 12" XLS car subwoofer driver has been designed with a specially compounded strong rubber surround that has the strength to withstand the high pressures inside a small sealed box. The magnet is covered with a rubber cover engraved with the XLS logo. For reliable connection to the amplifier gold plated push terminals are fitted.



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#### Thiele Small parameters:

Nominal impedance  
 Minimum impedance/at freq.  
 Maximum impedance  
 DC resistance  
 Voice coil inductance  
 Capacitor in series with 4 ohm  
 (for impedance compensation)  
 Resonance Frequency  
 Mechanical Q factor  
 Electrical Q factor  
 Total Q factor  
 F (Ratio fs/Qts)  
 Mechanical resistance  
 Moving mass  
 Suspension compliance  
 Effective cone diameter  
 Effective piston area  
 Equivalent volume  
 Force factor  
 Reference voltage sensitivity  
 Re 2.83V 1m at 115 Hz (Measured)

Zn (ohm)  
 Zmin (ohm/Hz)  
 Zo (ohm)  
 Re (ohm)  
 Le (mH)  
 Cc (µF)  
 fs (Hz)  
 Qms  
 Qes  
 Qts  
 F (Hz)  
 Rms (Kg/s)  
 Mms (g)  
 Cms (mm/N)  
 D (cm)  
 Sd (cm<sup>2</sup>)  
 VAS (ltrs)  
 Bl (N/A)  
 (dB)

	Free air	Common	Baffled
Zn		4	
Zmin		2.2/115	
Zo		28.9	
Re		1.8	
Le		1.9	
Cc		34	
fs	28.2		28.2
Qms	4.81		4.81
Qes	0.32		0.32
Qts	0.30		0.30
F			94
Rms		4.37	
Mms	118.5		118.6
Cms		0.27	
D		24.4	
Sd		466	
VAS		80.5	
Bl		10.9	
			93.5

#### Magnet and voice coil parameters:

Voice coil diameter  
 Voice coil length  
 Voice coil layers  
 Flux density in gap  
 Total useful flux  
 Height of the gap  
 Diameter of magnet  
 Height of magnet  
 Weight of magnet

d (mm)  
 h (mm)  
 n  
 B (T)  
 (mWb)  
 hg (mm)  
 dm (mm)  
 hm (mm)  
 (kg)

d	51
h	33
n	4
B	1.04
	2.50
hg	8
dm	147
hm	35
	2.42

