

XLS 10" Subwoofer



Type Number: 830481

Features:

This new series of state-of-the-art subwoofers continue to enhance Peerless' reputation for delivering the highest quality components for bass in the world. Called the XLS - for "Extra Long Stroke" - these new audio transducers add even more excursion, and completely eliminate distortion.

Driver Highlights: Thick Nomex cone, 400 g moving mass



Specs:

Electrical Data

Nominal impedance	Zn	--	ohm
Minimum impedance	Zmin	--	ohm
Maximum impedance	Zo	--	ohm
DC resistance	Re	--	ohm
Voice coil inductance	Le	--	mH
Capacitor in series with x ohm	Cc	--	uF

T-S Parameters

Resonance Frequency	fs	11.2	Hz
Mechanical Q factor	Qms	14	
Electrical Q factor	Qes	--	
Total Q factor	Qts	--	
Ratio fs/Qts	F	--	
Force factor	Bl	--	Tm
Mechanical resistance	Rms	2	Kg/s
Moving mass	Mms	400	g
Suspension compliance	Cms	0.508	mm/N
Effective cone diameter	D	--	cm
Effective piston area	Sd	333	cm ²
Equivalent volume	Vas	80	ltrs
Sensitivity		--	dB
Ratio BL/√(Re)		--	

Power handling

100h RMS noise test (IEC)	--	W
Long-term Max System Power (IEC)	--	W
Max linear SPL (rms) @ power	--	dB/W
Short Term Max power	--	W

Voice Coil and Magnet Parameters

Voice coil diameter	--	mm
Voice coil height	--	mm
Voice coil layers	--	
Height of the gap	--	mm
Linear excursion +/-	--	mm
Max mech. excursion +/-	22	mm
Flux density of gap	--	mWb
Total useful flux	--	mWb
Diameter of magnet	--	mm
Height of magnet	--	mm
Weight of magnet	--	Kg

Frequency:

Mechanical Dimensions:

