

XLS 12" Subwoofer



Type Number: 830548

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, 425 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 | 10.4 | Hz |
| Mechanical Q factor | Qms | 15.2 | |
| Electrical Q factor | Qes | -- | |
| Total Q factor | Qts | -- | |
| Ratio fs/Qts | F | -- | |
| Force factor | Bl | -- | Tm |
| Mechanical resistance | Rms | 1.8 | Kg/s |
| Moving mass | Mms | 425 | g |
| Suspension compliance | Cms | 0.55 | mm/N |
| Effective cone diameter | D | -- | cm |
| Effective piston area | Sd | 466 | cm ² |
| Equivalent volume | Vas | 169.6 | 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 +/- | 24 | 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:

