



KEY FEATURES

- Band-Pass/Bass-Reflex Passive Subwoofer
- Single 21" Neodymium woofer with 4" ISV voice coil
- Water repellent cone
- Very compact enclosure
- Very good output-to-weight ratio
- 18mm birch plywood enclosure
- Heavy duty castors

APPLICATIONS

- Live sound reinforcement
- Theatre
- Corporate & A/V
- Live music venues
- House of Worship
- Leisure and Fitness
- Nightclubs and Bars

TECHNICAL SPECIFICATIONS

SYSTEM

System's Acoustic Principle	Band-pass / bass-reflex
Frequency Response (-6dB)	34 Hz - 180 Hz (Processed)
Nominal Impedance	4 ohm
Sensitivity (1.41V @ 1m, 2Pi)	94 dB
Maximum Peak SPL @ 1m	138dB

TRANSDUCERS

Type	21" Neodymium magnet woofer, 4" (100mm) VC
Cone	High stiffness (Complex Composite), water repellent
Voice Coil Type	Interleaved Sandwich Voice coil (ISV)
Suspension	Triple-roll

INPUT CONNECTIONS

Connector Type	Neutrik® speakON™ NL4MP x 2
Input Wiring	Pin 1+/-; (Pin 2+/- pass through)

POWER HANDLING

Continuous AES Pink Noise Power	1600 W
Program Power	3200 W
Peak Power	7200 W

POWER COMPRESSION

@ -10dB Power (320 W)	0.62 dB
@ -3dB Power (1600 W)	2.18 dB
@ 0dB Power (3200 W)	3.57 dB

ENCLOSURE & CONSTRUCTION

Dimensions (W x H x D)	760 mm (29.9") x 511 mm (20.1") x 770 mm (30.3")
Depth Including Wheels	881 mm (34.6")
Enclosure Material	18mm, reinforced phenolic birch
Enclosure Finish	High resistance, black water based paint
Transport	4 x heavy duty 100mm (4") castors, 8 handles
Net Weight	56 Kg (123.5 lbs) - 60 Kg (132.3 lbs) including wheels

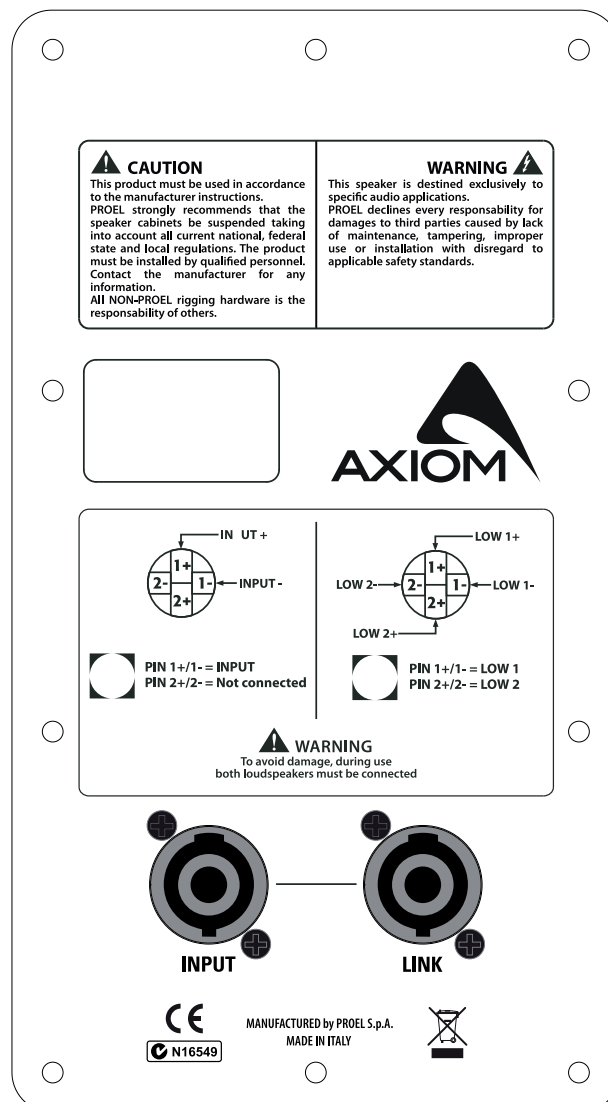
DESCRIPTION

The SW2100P is a very compact Band-Pass/Bass-Reflex subwoofer providing high output and extended low frequency response. It is equipped with a single 21" neodymium transducer with a 4" ISV voice coil, large displacement suspension system, and composite reinforced, water repellent cone, able to provide clean and undistorted LF reproduction at very high SPL.

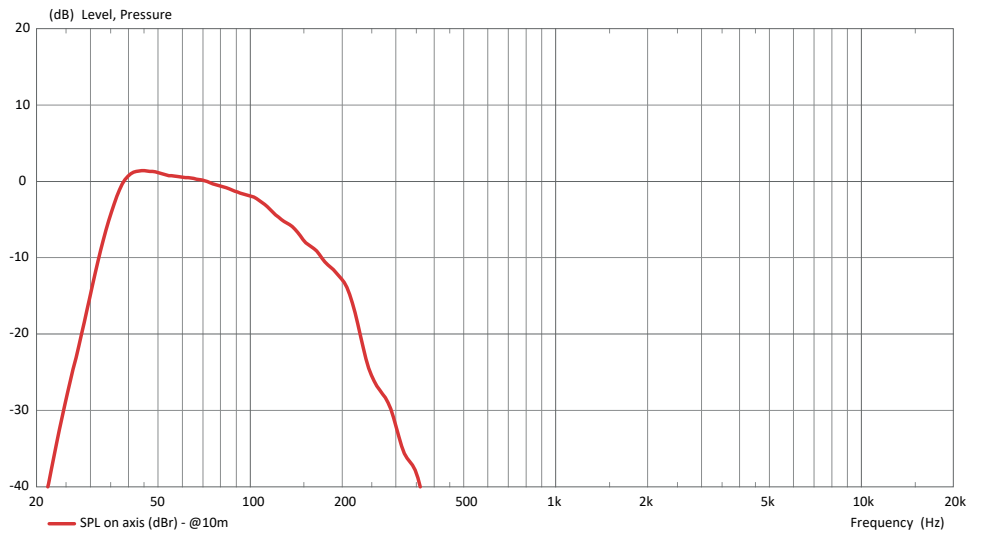
The loudspeaker is designed with a unique motor featuring a high grade neodymium magnet assembly in a structure optimized for thermal and magnetic efficiency. Its features include a large displacement suspension system which, in conjunction with a composite reinforced, straight ribbed cone and the proprietary Double Silicon Spider (DSS) technology, allows an ultra-linear piston action and provides full mechanical control across the entire working range. The 100mm (4 in) state-of-the-art voice-coil utilizing Interleaved Sandwich Voice coil (ISV) technology, provides high levels of thermal stability and durability. The ISV technology achieves a balanced linear motor unit exerting an exceptionally high force factor.

The phenolic birch plywood cabinet is equipped with pole mount socket, stacking feet, flush handles, and heavy duty wheels to enable easy handling and transportation.

It will deliver high level and extended low bass performance from a very compact cabinet, and thanks to the integral pole mount socket partners well with any of the ED point source and AXIOM line array loudspeakers in any audio applications, while its small size enables it to be easily fitted into tight venue spaces.



SW2100P frequency response



ENGINEERING DRAWING

