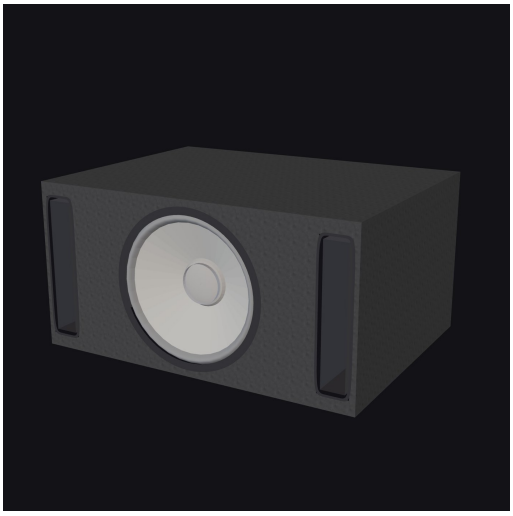
Penn IL18

Low-tuned 18″ subwoofer · 1 × 18″ · twin front slot vents · 26.8 Hz tuning

One 18-inch driver centered between two front-firing slot vents, tuned to 26.8 Hz from the vent geometry itself. The vent was chosen on Speaker Lab's combined response, on the floor, with the protection filter the cabinet needs — not from a rule of thumb.

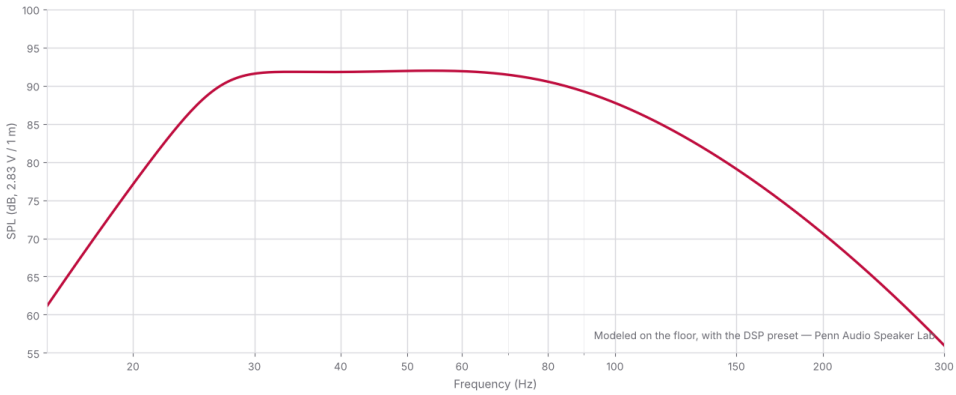
Runs on its supplied DSP preset: an 80 Hz Linkwitz-Riley low-pass and a 19.5 Hz protective high-pass that keeps the cone inside its excursion limit below tuning.



SPECIFICATIONS

Frequency response (−5 dB, modeled, DSP preset)	**24 Hz – 107 Hz**
Maximum SPL (1 m, modeled, with 530 W amplifier)	**120 dB peak (10 ms) / 109 dB continuous**
Nominal impedance	**4 ohms**
Cabinet tuning	**26.8 Hz**
Processing	**DSP preset: LR4 80 Hz low-pass · LR4 19.5 Hz high-pass · limiter**
Transducer	**1 × 18″ (1500 W AES)**
Enclosure	**Vented, twin front slots, Baltic birch**
Dimensions (W × H × D)	**40.0 × 20.0 × 30.0 in (1016 × 508 × 762 mm)**
Weight (modeled)	**69 kg (151 lb)**
Connections	**2 × NL4 (INPUT, LINK)**
Finishes	**Black or white as standard; any finish in the Penn Audio Custom library to order**

MODELED RESPONSE



All figures are modeled in the Penn Audio Speaker Lab from the drivers' published data; they are not measurements.