

PSW-4 *Self-Powered Reinforcement Subwoofer*

FEATURES



High-power



Extremely low distortion



Reliable and durable



Arrayable



Intelligent AC™



Integrated control electronics and amplifiers



TruPower™ Limiting (TPL)



Compatible with the Remote Monitoring System™ (RMS)

*Superior
engineering
for the art
and science
of sound.*



**Meyer
Sound**



The PSW-4 is a self-powered, dual-tuned subwoofer that incorporates one 15" and one 18" driver, to give a frequency response of 32 Hz to 160 Hz. Being self-powered, all of the amplifier and controller electronics are contained within the speaker enclosure. The unit is an effective companion to the MTS-4 (whenever additional low frequency power is needed), but can be used in any situation where a high-energy, easy-to-use, true-sounding subwoofer is needed.

The PSW-4 incorporates the Intelligent AC™ system, which performs automatic voltage selection, EMI filtering, soft

current turn-on, and surge suppression. Simply apply a signal source and a power connection, and the unit is fully operational.

The amplifier unit is equipped with TruPower™ Limiter technology, which maximizes speaker protection reliability and component life. This breakthrough in speaker control also results in higher SPL at all frequencies, and increased available headroom. Long term power compression, typically 3-6 dB in conventional systems, is less than 1 dB. Maximum SPL capability remains constant even during operation at high levels for extended periods.

PSW-4 performance can be supervised using the Remote Monitoring System™ (RMS). This enables users at a computer terminal to monitor such parameters as limiting activity, power output, voltage, temperature, fan speed, and driver status.

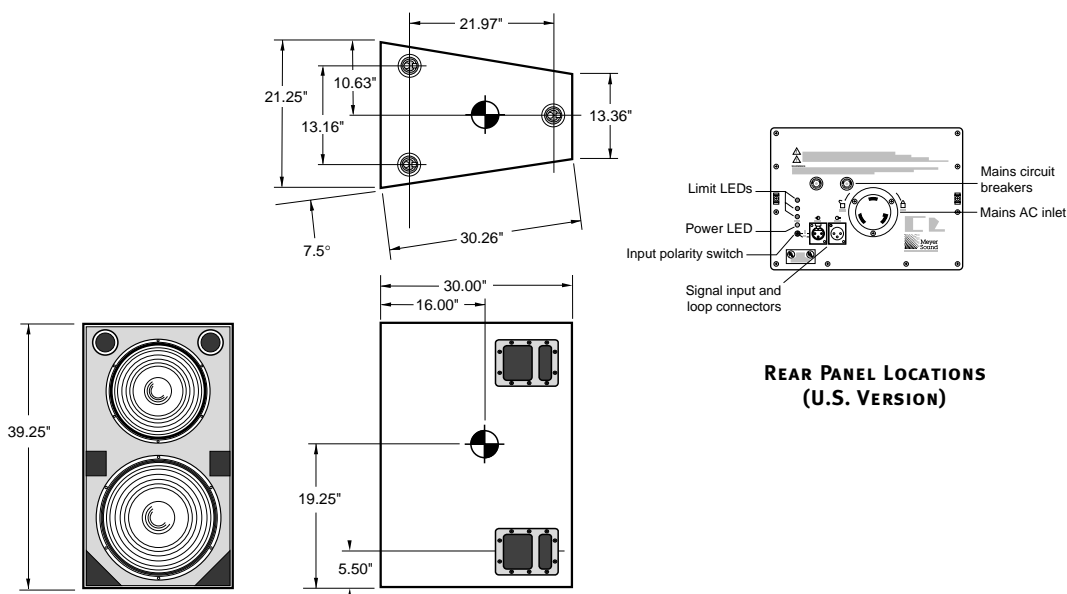
The cooling, power supply, and amplifier subsystems are all built for maximum efficiency and reliability. In the event that servicing is needed, it is aided by the PSW-4's modular design; the entire power/amplifier module can be accessed and replaced, if necessary.

PSW-4 SPECIFICATIONS

ACOUSTICAL (EACH LOUDSPEAKER)	Frequency Response ± 4 dB from 32 Hz to 160 Hz Phase Response $\pm 90^\circ$ from 45 Hz to 110 Hz Maximum SPL 136 dB peak @ 1 meter Dynamic Range >110 dB
COVERAGE	(- 6db points) 360° H; 180° V
CROSSOVER	60 Hz
TRANSDUCERS	Sub Frequency 18" diameter MS-18 cone Low Frequency 15" diameter MS-15 cone
AUDIO INPUT	Type 10k Ω impedance, electronically balanced Connector XLR (A-3) male and female Nominal Input Level +4 dBu
AMPLIFIERS	Type Complementary power MOSFET output stages (audio class AB/H) Burst Capability 1240 watts (620 watts/channel) THD, IM, TIM < .02 %
AC-POWER	Connector 250V NEMA L6-20 (twistlock) inlet or IEC 309 male inlet Automatic voltage selection 95-125 VAC and 208-235 VAC; 50/60 Hz Operational Voltage range Turn on: 85 VAC; Turn off: 134 VAC; 50/60 Hz Turn on: 165 VAC; Turn off: 264 VAC; 50/60 Hz Max Continuous RMS Current (>10 sec) @115V: 8A @230V: 4A @100V: 10A Burst RMS Current (<1 sec) @115V: 15A @230V: 8A @100V: 18A Max Peak Current During Burst @115V: 22Apk @230V: 11Apk @100V: 25Apk Soft Current Turn-on Inrush current <12A @ 115V
PHYSICAL	Dimensions 21 1/4" W x 39 1/4" H x 30" D Weight 177 lbs (80.3 kg) / shipping: 206 lbs (93.4 kg) Enclosure Finish Multi-ply hardwood Protective Grill Black textured Rigging Perforated steel grill, charcoal-grey foam Aircraft pan fittings (3 on both top and bottom). Working load for each fitting is 600 lbs, which is 1/5 the cabinet breaking strength (with straight tensile pull).
NOTES	<ol style="list-style-type: none"> Subject to half space loading, measured with one-third octave frequency resolution in fixed ISO bands. Measured as the range between the peak SPL and the A- weighted noise floor. Nominal 8Ω resistive load, pink noise, 100V peak. Other connectors available. The unit is rated at 95-125 VAC and 208-235 VAC, 50/60 Hz, to satisfy EC standards for ~10% to 6% AC line voltage

PHYSICAL DIMENSIONS

ALL UNITS IN INCHES



Meyer Sound Laboratories has devoted itself to designing, manufacturing, and refining components that deliver superb sonic reproduction. Every part of every component is designed and built to exacting specifications and undergoes rigorous, comprehensive testing in the laboratories.

Research remains an integral, driving force behind all production. Meyer strives for sound quality that is predictable and neutral over an extended lifetime and across an extended range.



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