



600-HP : Compact High-Power Subwoofer



600-HP shown with optional QuickFly MRF-600 rigging frame

Dimensions	41.40" w x 22.50" h x 22" d (1052 mm x 572 mm x 559 mm)
Weight	182 lbs (82.55 kg); with rigging: 215 lbs (97.52 kg)
Enclosure	Premium birch plywood
Finish	Black textured
Protective Grille	Powder-coated, hex stamped steel lined with acoustical black mesh
Rigging	Optional end-mounted QuickFly® rigging hardware, with captive GuideALinks™ on the bottom four corners and quick-release pins; compatible with MICA™ compact high-power curvilinear array loudspeakers and accessories

The 600-HP is a self-powered, high-output subwoofer that may be used in both flown and ground-stacked configurations. It is designed to rig directly with MICA compact, high-power curvilinear array loudspeakers when fitted with the optional QuickFly MRF-600 rigging frame. The versatility of the 600-HP also allows it to be used with a variety of other Meyer Sound self-powered loudspeakers — such as CQ-1, CQ-2, UPA-1P, UPA-2P and UPJ-1P — in fixed and touring applications.

The system features two specially designed high-power 15-inch cone drivers, engineered to provide optimal performance in subwoofer applications. The high-excursion, back-vented drivers have 4-inch voice coils, and each is rated to handle 1200 watts (AES*).

Each cone driver is driven by a channel of the integral two-channel class AB/H amplifier with complementary MOSFET output stages. Total power is 2250 watts (4000 watts peak), and the operating frequency range is from 33 Hz to 150 Hz, with a peak SPL of 138 dB. An amplifier with integral signal processing and driver protection is integrated into a field-replaceable module mounted in the rear of the enclosure.

The optional MRF-600 rigging frame uses captive, rigid GuideALinks. A slot and convenient pinned handle allow the links to be moved and pinned for arraying or storage. The 600-HP can make use of the optional MG-MICA rigging grid for flown and stacked configurations. The exterior dimensions of the 600-HP enclosure

are suitable for both U.S. and European trucks, and can travel securely in stacks using the MCF-MICA caster frame.

The 600-HP is available with or without QuickFly rigging hardware or handles; all versions include plastic skids on the bottom of the unit to ensure secure stacking and prevent damage to the enclosure. Options for the 600-HP include weather protection, and custom color finishes for fixed installations and other applications requiring specific cosmetics. The RMS™ remote monitoring system — standard with the rigging version and optional on other configurations — allows comprehensive monitoring of system parameters on a Windows®-based network.

*Driven continuously for two hours with a band-limited noise signal having a 6 dB peak-to-average ratio.

FEATURES & BENEFITS

- Efficient, high-power and high-excursion cone drivers
- Extremely low distortion for low-frequency clarity
- Very high peak power yields excellent transient reproduction
- Stackable, and flyable by itself or with MICA full-range loudspeakers
- Compatible with MG-MICA rigging frame for flying and ground-stacking
- Transportable in stacks using optional MCF-MICA caster frame
- Low-frequency complement to MICA and other Meyer Sound self-powered loudspeakers

APPLICATIONS

- Medium to large theatres and clubs
- Houses of worship
- Portable and installed A/V systems

SPECIFICATIONS

Operating Frequency Range¹	33 Hz – 150 Hz
Frequency Response²	39 Hz – 130 Hz ±4 dB
Maximum Peak SPL³	138 dB
Coverage	360° (single unit); varies with number of units and configuration
Transducer: Low Frequency	Two 15" cone drivers with 4" voice coil, 1200 W (AES) ⁴
Amplifier Power⁵	2250 W (4000 W peak)
Automatic Voltage Selection	85 – 134 V AC; 165 – 264 V AC; 50/60 Hz
Audio Connector	Female XLR input with male XLR loop output or VEAM all-in-one (integrates AC, audio and network)
AC Connector	250 V AC NEMA L6-20 twistlock, IEC-309 male, PowerCon, or VEAM
Max. Long-Term Cont. Current Draw (>10 sec)	8.8 A rms (115 V AC); 4.4 A rms (230 V AC); 10 A rms (100 V AC)

- NOTES:**
1. Recommended maximum operating frequency range. Response depends upon loading conditions and room acoustics.
 2. Measured with 1/3 octave frequency resolution at 4 meters, free field.
 3. Measured with music referred to 1 meter, half-space loading.
 4. Power handling is measured under AES standard conditions: transducer driven continuously for two hours with band-limited noise signal having a 6 dB peak-average ratio.
 5. Amplifier wattage rating based on the maximum unclipped burst sine-wave rms voltage that the amplifier will produce for at least 0.5 seconds into the nominal load impedance. Both channels 67 V rms (95 V pk) into 4 ohms. Peak power based on the maximum unclipped peak voltage that the amplifier will produce for at least 100 milliseconds into the nominal load impedance.



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