

VLFC Very Low-Frequency Control Element



The VLFC very low-frequency control element is a self-powered loudspeaker defined by its sonic linearity and unique ability in reproducing extremely low-frequency signals at high, continuous levels with very low distortion. This very low frequency response, coupled with exceptional headroom and optimized rigging options, makes the VLFC an incredible tool for applications requiring very low frequencies used to enhance the audience experience. The VLFC is ideal for any application that would benefit from the impact of sub-sonic feeling: from large-scale tours, special effects in cinema to theme parks.

FEATURES & BENEFITS

- Sub-sonic frequency response, linearity bring new possibilities for enhanced impact system design
- Optimized to integrate with 1100-LFCs
- High peak power output yields excellent transient reproduction at very low frequencies and extreme operating levels
- Stackable and flyable with other VLFCs and 1100-LFCs in regular and cardioid arrays

VLFC SPECIFICATIONS⁴

ACOUSTICAL¹	
Frequency Response ²	13 - 30Hz ±4dB
TRANSDUCER	
Low Frequency	Two 18" cone drivers
AUDIO I/O	
Connectors ³	XLR 3-pin or 5-pin female input with male loop output
AMPLIFIER	
Type	2-channel complementary MOSFET output stages (Class AB/H bridged)
AC POWER	
Connectors	powerCON 32 input
Safety Rated Voltage Range	208-235 V AC, 50/60 Hz (Turn-on/off Points 165-264 V AC)
Current Draw ⁵	Max Long-Term Continuous Current (>10 sec) 10.5 A rms (230 V AC) Burst Current (<1 sec) 18 A rms (230 V AC)
RMS NETWORK	
	Equipped with 2-conductor, twisted-pair network, reporting all amplifier operating parameters to host computer
PHYSICAL	
Dimensions	55 in W x 20.4 in H x 33 in D (1397 mm x 518 mm x 838 mm)
Dimensions w/Rigging	55 in W x 20.4 in H x 33 in D (1397 mm x 518 mm x 838 mm)
Weight / Weight w/ Rigging	298 lbs (135,2 kg) / 332 lbs (150,7 kg)
Enclosure	Multiply hard wood with black textured finish
Protective Grille	Powder-coated, hex-stamped steel with acoustical black mesh
Rigging	Optional MRK-1100 rigging kit with captive GuideALinks for groundstacked, flown, and cardioid configurations; optional MTG-1100 top grid for flown arrays; optional MCF-1100 caster frame for transporting stacks of up to three units.

Using the same footprint of the 1100-LFC the VLFC integrates seamlessly with existing infrastructure. The optional MRK-1100 rigging kit, available as a factory-installed option or field upgrade, includes captive GuideALinks™ that allow the loudspeaker to be flown from the MTG-1100 top grid. The GuideALinks, located at the front and rear of the cabinet, are easily set with convenient, pinned handles and slots.

The GuideALinks also accommodate reversed units for flown cardioid arrays. The MTG-1100 top grid can suspend line arrays comprised of up to 14 cabinets at a 5:1 safety factor. For touring and portable systems, the VLFC can travel securely in stacks of up to three units with the optional MCF-1100 caster frame.

The RMS™ remote monitoring system provides comprehensive monitoring of system parameters on a Mac® or Windows®-based computer.

The VLFC cabinet is constructed of multi-ply hardwood and coated with a black-textured finish. A hex-stamped, steel grille with acoustical black mesh protects the unit's drivers. Other options include weather protection and custom color finishes for fixed installations and applications with specific cosmetic requirements.

SOLUTIONS

- Stadiums & Arenas
- Cinema & Post-production
- Theme Parks
- Research

NOTES

- ¹ Loudspeaker system predictions for coverage and SPL will be available in Meyer Sound's MAPP software.
- ² Response depends on loading conditions and room acoustics.
- ³ XLR 5-pin connectors accommodate both balanced audio and RMS signals.
- ⁴ Preliminary Specifications - Subject to Change Without Notice
- ⁵ AC power cabling must be of sufficient gauge so that under burst current conditions, cable transmission losses do not cause the loudspeaker's voltage to drop below the specified operating range.

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