

900-LFC

Low-Frequency Control Element

- Self-powered 18-inch subwoofer platform for mid-size systems.
- Extends low-frequency response to 30 Hz with 3100 W peak onboard amplification.
- Supports flown, ground-stacked and cardioid deployment with optional QuickFly rigging.



Performance in a compact high-output format

30 Hz – 125 Hz

Operating frequency range

32 Hz – 115 Hz ± 4 dB

Frequency response

133 dB / 134.5 dB

Linear peak SPL

3100 W peak

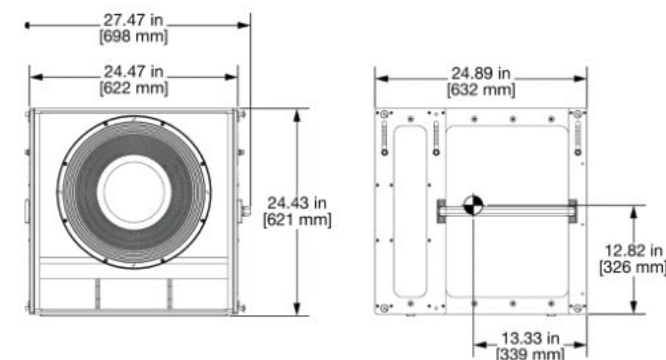
Amplifier output

1 $\times$ 18 in dual-coil

Transducer

159 lb / 72.1 kg

Weight with rigging



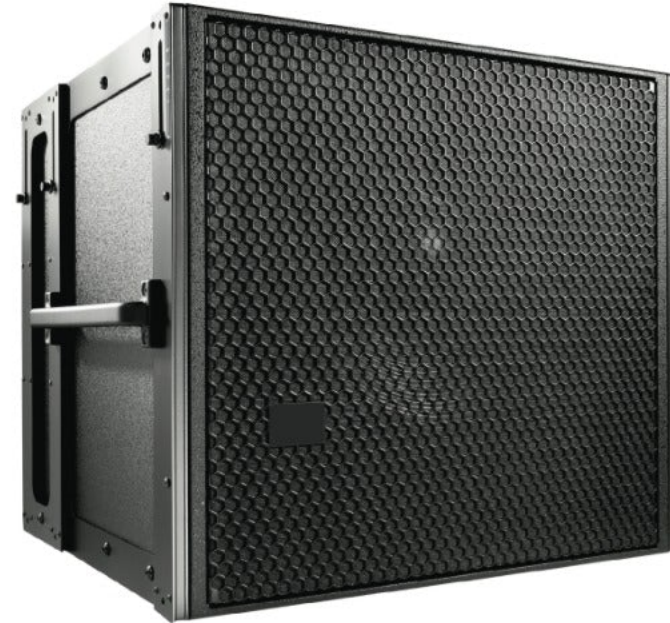
The enclosure and driver package support controlled LF output

Acoustic architecture

- One 18-inch dual-coil, long-excursion cone driver handles the subwoofer band.
- Phase behavior is specified within $\pm 30^\circ$ from 40 Hz to 110 Hz.
- Single cabinet provides 360° coverage; array behavior changes with quantity and configuration.

Tour-ready construction

- Premium multi-ply birch enclosure with slightly textured black finish.
- Powder-coated, hex-stamped steel grille with acoustical black mesh.
- Protective skids, side handles and weather-protection accessory options support field use.



Editable technical specifications

Product Model	900-LFC
Type	Low-Frequency Control Element
Drivers	One 18-inch, dual-coil, long-excursion cone driver; 2 Ω nominal impedance
Frequency Response	32 Hz – 115 Hz $\pm$ 4 dB; operating frequency range 30 Hz – 125 Hz
Rated Power	Not specified in official materials
Peak Power	3100 W peak total amplifier output
Sensitivity	Nominal input sensitivity 6.0 dBV (2.0 V rms) continuous, typically onset of limiting
Maximum SPL	Linear peak SPL: 133 dB with crest factor >10 dB; 134.5 dB with B-noise
Nominal Impedance	Driver nominal impedance: 2 Ω
Coverage / Dispersion	360° for a single unit; varies with array quantity and configuration
Enclosure	Premium multi-ply birch
Finish	Slightly textured black finish
Protective Grille	Powder-coated, hex-stamped steel with acoustical black mesh
Connectors	XLR 5-pin female input with male loop output; powerCON 20 input with loop output
Dimensions	With rigging: W 27.47 in / 698 mm, H 24.43 in / 621 mm, D 24.89 in / 632 mm
Weight	136 lb / 61.7 kg without rigging; 159 lb / 72.1 kg with rigging
Supplied Fittings	Not specified in official materials
Recommended Amplifier	Self-powered integrated two-channel, open-loop Class D amplifier



Audio and AC connector details

Deployment scales from one cabinet to arrays



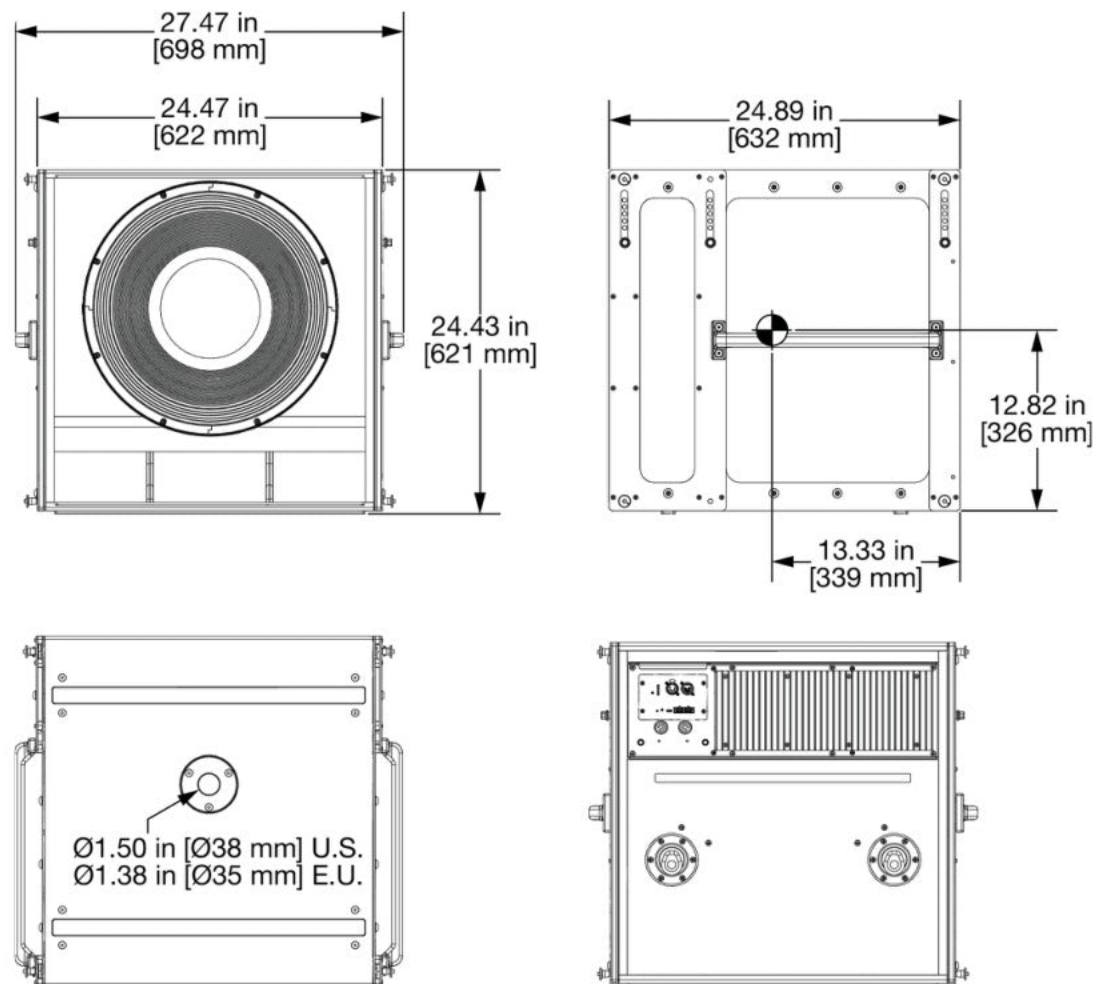
Deployment options

- Single-unit deployments provide omnidirectional low-frequency support.
- Multiple units increase acoustic output and allow array-dependent pattern behavior.
- Cardioid arrangements can reduce rear low-frequency energy when design constraints require it.
- Pole-mount provisions support compact satellite/subwoofer configurations.

1.50 in US / 1.38 in EU

Pole mount

Official dimensions show the cabinet envelope and rigging width



Rear hardware integrates audio, RMS and AC



Connection details

- Differential, electronically balanced audio input with loop output.
- XLR 5-pin connectors carry audio and RMS; XLR 3-pin option supports balanced audio only.
- powerCON 20 AC input and loop output support system cabling.
- Integrated amplifier module provides limiting/status indicators and convection cooling.

Official accessories for transport, rigging and mounting



PC2-900-LFC

Protective cover for transport and storage

Compatibility: 900-LFC official accessory ecosystem



AF-LEOPARD/900-LFC

Array frame for flown system configurations

Compatibility: 900-LFC official accessory ecosystem



MCF-900-LFC

Caster frame for mobile deployment

Compatibility: 900-LFC official accessory ecosystem



MG-LEOPARD/900

Multipurpose grid for LEOPARD / 900-LFC systems

Compatibility: 900-LFC official accessory ecosystem



MPK-POLE

Pole mounting kit for satellite/subwoofer use

Compatibility: 900-LFC official accessory ecosystem



MVP-LEO-M

Motor vee plate kit for rigging workflows

Compatibility: 900-LFC official accessory ecosystem



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Product Summary

30 Hz – 125 Hz

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133 dB / 134.5 dB

Peak SPL

3100 W peak

Amplifier

159 lb / 72.1 kg

Weight with rigging

Contact Area

YL AUDIO & LIGHTING | Project / Phone / Email

