



JBL® Performance LS Series Speakers



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The JBL LS Series builds on the 60-year JBL legacy and the technologies introduced in the JBL Project speakers — Array, K2 S9900 and the awesome Everest DD66000. True compression drivers and signature Bi-Radial® horns provide loud, clear, uncolored sound in beautiful form-factors, ideal for either two-channel or home theater applications.

Features

- Effortless high-output capability without distortion or dynamic compression
- Real wood veneer cabinets with extraordinary gloss-lacquered Streak-Ebony Mahogany finish
- Polyplas™ pure-pulp cone woofers with heat-resistant Kapton® voice coil formers, vented neodymium motor systems and cast aluminum frames
- Bi-Radial® constant directivity high frequency horn with true JBL compression driver and titanium diaphragm
- Constant directivity UHF ring radiator featuring unified diaphragm, surround and voice coil superstructure construction

Specifications

| | LS40 | LS60 | LS80 | LS Center |
|-------------------------------------|---|--|--|--|
| Frequency Response (-3dB): | 50Hz – 38kHz | 48Hz – 38kHz | 46Hz – 38kHz | 85Hz – 38kHz |
| Max. Recommended Amplifier Power*: | 150W | 150W | 200W | 150W |
| Power Handling (Continuous/Peak): | 75W/300W | 75W/300W | 100W/400W | 75W/300W |
| Sensitivity (2.83V/1m): | 87dB | 87dB | 90dB | 88 dB |
| Nominal Impedance: | 6 Ohms | 6 Ohms | 6 Ohms | 6 Ohms |
| Crossover Frequencies: | 2.6kHz – 24dB/octave; 7kHz – 24dB/octave | 400Hz – 6dB/octave; 2kHz, 8kHz – 24dB/octave; | 400Hz – 6dB/octave; 2.5kHz, 8kHz – 24dB/octave | 2.5kHz – 24dB/octave; 9kHz – 24dB/octave |
| Low-Frequency Transducer: | 165mm (6-1/2") with cast-aluminum frames | Dual 165mm (6-1/2") PolyPlas™, shielded | Dual 200mm (8") PolyPlas™, shielded | Dual 165mm (6-1/2") PolyPlas™, shielded |
| High-Frequency Transducer: | 50mm (2") Pure-titanium compression driver; Bi-Radial® horn | 50mm (2") Pure-titanium compression driver; Bi-Radial® horn | 50mm (2") Pure-titanium compression driver; Bi-Radial® horn | 50mm (2") Pure-titanium compression driver; shielded; Bi-Radial® horn |
| Ultrahigh-Frequency Transducer: | 19mm (3/4") Polyester-film ring radiator; neodymium magnet; EOS waveguide | 19mm (3/4") Polyester-film ring radiator neodymium magnet; EOS waveguide | 19mm (3/4") Polyester-film ring radiator neodymium magnet; EOS waveguide | 19mm (3/4") Polyester-film ring radiator neodymium magnet; EOS waveguide |
| Dimensions with Grille (H x W x D): | 499mm x 222mm x 343mm (19-5/8" x 8-3/4" x 13-1/2") | 1017mm x 222mm x 343mm (40" x 8-3/4" x 13-1/2") | 1117mm x 259mm x 418mm (44" x 10-3/16" x 16-1/2") | 230mm x 672mm x 235mm (9" x 26-1/2" x 9-1/4") |
| Weight per Speaker: | 13.5kg (29.8 lb) | 26.6kg (58.6 lb) | 35.6kg (78.5 lb) | 14.4kg (31.7 lb) |

LS120

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|---|--|
| Frequency Response: | 25Hz – 150Hz |
| Amplifier RMS Power: | 400 Watts |
| Amplifier Peak Dynamic Power†: | 700 Watts |
| Crossover Frequency: | 50Hz – 150Hz; 24dB/octave, continuously adjustable |
| Driver: | 12" (300mm) PolyPlas™ |
| Dimensions (H x W x D) (enclosure only): | 19-7/16" x 14-3/4" x 16-3/4" (493mm x 375mm x 425mm) |
| Dimensions (H x W x D) (with feet, controls, grille, etc.): | 20-1/16" x 14-3/4" x 17-1/4" (510mm x 375mm x 438mm) |
| Weight: | 57 lb (25.8kg) |

† The peak dynamic power is measured by recording the highest center-to-peak voltage measured across the output of a resistive load equal to minimum impedance of the transducer, using a 50Hz sine wave burst, 3 cycles on, 17 cycles off.

H Harman International

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