



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

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.

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