

# Studio Series

S26, S36, S38, S310, S312, S412P, S Center



- Professional performance in convenient sizes
- Pure Titanium dome tweeters
- Rigid, non-magnetic cast aluminum bass driver frames
- Elliptical Oblate Spheroidal™ (EOS) waveguide

- Reinforced PolyPlas™ driver cones for low mass and high inner damping
- Precision Heatscape™ motor structure for effective heat dissipation

**JBL**



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Only JBL can draw on a rich 50-year legacy of professional studio, theater and concert sound system technologies to create a fine range of professional-quality home loudspeakers worthy of the name Studio Series. Loud and clear volume levels, pin-point imaging and the dynamics of a live event are effortlessly reproduced by advanced JBL transducers directly descended from JBL Pro sound products found in the world's most prestigious venues.

## EOS Waveguide Titanium Tweeters

JBL's trademark pure Titanium dome tweeters with neodymium magnets and rubber surrounds combine low mass and high rigidity for extreme speed and minimal distortion in the critical high frequency range. Mounted in Elliptical Oblate Spheroidal™ waveguides developed for the professional LSR Series, JBL pure

Titanium tweeters provide smooth, even dispersion of high frequencies and precise stereo imaging over a wide listening area.

## Heatscape™ Motor Assembly

Bass drivers feature SFG magnetic shorting rings and forced air cooling via a vented polepiece to conduct heat away from the heat-resistant Kapton voice coils for limitless dynamics and realistic sound pressure levels. Exclusive Heatscape technology protects bass drivers from potentially damaging thermal build-up. Instead of the thin, stamped frames found in comparably priced products, Studio Series bass drivers are built on thick frames of cast aluminum. Strong, non-magnetic frames ensure accurate, controlled cone motion for powerful, clean deep bass.



Black Ash.



Beech

Specifications	S26	S36	S38	S310
Frequency Response (-3dB):	48 Hz - 20 kHz	60Hz - 20 kHz	45 Hz - 20 kHz	40 Hz - 20 kHz
Sensitivity (2.83V/1m):	87 dB	90 dB	89 dB	91 dB
Nominal Impedance:	8 Ohms	8 Ohms	8 Ohms	8 Ohms
Max. Recommended Amp. Power*:	150 Watts	150 Watts	175 Watts	200 Watts
Crossover Frequencies:	2 kHz	650 Hz, 3 kHz	800 Hz, 3.2 kHz	850 Hz, 3.5 kHz
Low Frequency Driver:	6" PolyPlas™** cone	6" PolyPlas™** cone	8" PolyPlas™** cone	10" PolyPlas™** cone
Midrange Driver:	-	4" PolyPlas™ (polymer-coated cellulose fiber) cone, rubber surround, shielded; Linear Field Proximity™ (LFP) bezel	-	-
High Frequency Driver:	1" Pure-titanium dome, with rubber surround, shielded; Elliptical Oblate Spheroidal™ (EOS) waveguide	-	-	-
Dimensions (HxWxD):	432x254x254mm	260x371x127mm	292x445x327mm	876x330x305mm
Weight:	10 kg	5 kg	12.7 kg	22.7 kg

Specifications	S312	S412P	S Center
Frequency Response:	35 Hz - 20 kHz	32 Hz - 20 kHz	75 Hz - 20 kHz
Sensitivity (2.83V/m):	92 dB	91 dB	91 dB
Nominal Impedance:	8 Ohms	8 Ohms	8 Ohms
Max. Recommended Amp. Power*:	250 Watts	250 Watts	150 Watts
Crossover Frequencies:	750 Hz, 3 kHz	200 Hz, 850 Hz, 3.5 kHz	800 Hz, 3.2 kHz
Low Frequency Driver:	12" PolyPlas™** cone	12" PolyPlas™** cone powered by a 200-watt power amplifier	5-1/4" PolyPlas™** cone
Midbass Driver:	-	6" PolyPlas	-
Midrange Driver:	4" PolyPlas™ (polymer-coated cellulose fiber) cone, rubber surround, shielded; Linear Field Proximity™ (LFP) bezel	-	-
High Frequency Driver:	1" Pure-titanium dome, with rubber surround, shielded; Elliptical Oblate Spheroidal™ (EOS) waveguide	-	-
Dimensions (HxWxD):	1041x406x327 mm	1118x406x340 mm	200x521x229 mm
Weight:	31 kg	39.1 kg	6.8 kg

\* The maximum recommended amplifier power rating will ensure proper system headroom to allow for occasional peaks. We do not recommend sustained operation at these maximum levels. \*\* Polymer-coated cellulose fiber. All models (except S36 and S Center) are available in Beech, Black Ash or Natural Cherry finishes. Please check availability before order.

JBL continually strives to update and improve existing product, as well as create new ones. The specifications and constructions details in this and related JBL publications are therefore subject to change without prior notice.

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