

# 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
- Reinforced PolyPlas™ driver cones for low mass and high inner damping
- Precision Heatscape™ motor structure for effective heat dissipation
- Elliptical Oblate Spheroidal™ (EOS) waveguide

**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 worlds most prestigious venues.

#### EOS Waveguide Titanium Tweeters

JBLs 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                | S 26                        | S 36   | S 38                | S 310                |
|-------------------------------|-----------------------------|--|---------------------|----------------------|
| Frequency Response (-3dB):    | 48 Hz - 20 kHz              | 60Hz - 20 kHz  | 45 Hz - 20 kHz      | 40 Hz - 20 kHz       |
| Sensitivity (2.83V/1 m):      | 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               | 260x37 lxl 27mm  | 292x445x327mm       | 876x330x305mm        |
| weight:                       | 10 kg                       | 5 kg   | 12.7 kg             | 22.7 kg              |

| Specifications                | S 312  | S 412P   | S Center                |
|-------------------------------|--|--|-------------------------|
| Frequency Response:           | 35 Hz-20 kHz   | 32 Hz - 20 kHz   | 75 Hz - 20 kHz          |
| Sensitivity (2.83Wm):         | 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.