


# S90 WOOFER

ALPHA ONE

ENGINEERED FOR DETAIL

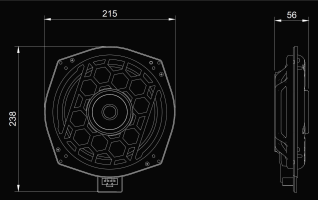
## Authority without excess.

A carbon-fiber cone, glass-fiber former and long-stroke motor deliver controlled low-frequency output and high power handling.

| 94 dB | 225 / 450 W |
|---|---|
| SENSITIVITY (2.83V/1m) | RMS / PEAK |

### MECHANICAL DATA

DRAWING · VOICE COIL · CONE · EXCURSION




| | | | |
|---|---|---|---|
| VOICE COIL DIAMETER | 50.5 mm | CONE MATERIAL | Carbon fiber |
| VOICE COIL HEIGHT | 36 mm | GAP HEIGHT | 8 mm |
| VOICE COIL LAYERS | 4L | LINEAR EXCURSION | 2.75 mm |
| VOICE COIL FORMER | Glass fiber | MAX MECHANICAL EXCURSION | 8 mm |
| NET WEIGHT | 1.12 kg | | |

### ELECTRICAL & T-S

MEASURED 12.06.2026

| | | | |
|---|---|---|---|
| FS | 49 Hz | F1 | 37 Hz |
| F2 | 66 Hz | $\sqrt{F_1 \times F_2}$ | 49 Hz |
| FZMIN | 207 Hz | F3 | 499 Hz |
| ZMAX | 50.2 Ω | ZMIN | 3.9 Ω |
| RE | 3.6 Ω | R0 | 13.94 |
| LE @ 1 KHZ | 1.27 mH | LE @ F3 | 1.77 mH |
| QMS | 6.38 | QES | 0.49 |
| QTS | 0.46 | | |

### SENSITIVITY & POWER HANDLING

S90 · TECHNICAL DATA

| | |
|---|---|
| SENSITIVITY (2.83V/1m)<br>MEASURED AT 1 kHz | 94 dB |
| LONG-TERM POWER HANDLING<br>FULL-SPECTRUM PINK NOISE<br>CTA-2034 | 225 W RMS |
| PEAK POWER HANDLING | 450 W |

## ALPHA ONE · SIGNATURE S90

1 m · 2.83 V

ALPHA ONE

