

# RELAX

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# BLAM

DRIVEN BY PASSION

## R8 EL

### Subwoofer

**2 ohm 210 mm (8 ") subwoofer  
for compact enclosure  
Power Max 300W**

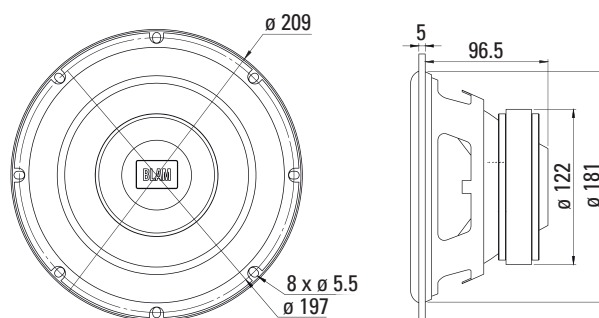
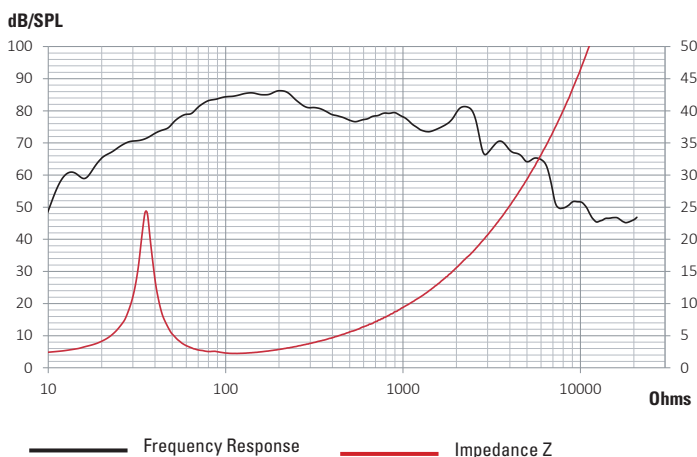
- 210 mm (8 ") subwoofer for compact enclosure
- Maximum power: 300 W / Nominal Power 150 W
- Frequency response: 45 Hz - 500 Hz
- Sensitivity 90,5 dB
- Impedance 2 Ohms

Steel basket - Rigid treated pulp cone - Butyl rubber surround  
Long life "conex" spider - 38 mm voice coil, on fiber glass former  
120 mm x 20 mm motor assembly - extended T yoke  
Grille included

#### TECHNICAL SPECIFICATIONS

| Component                 | Subwoofer            |                 |
|---------------------------|----------------------|-----------------|
| Max power                 | 300 W                |                 |
| Nominal power             | 150 W                |                 |
| Impedance                 | 2                    |                 |
| Freq. Response            | 45-500 Hz            |                 |
| Sensitivity               | 90,5 dB / 2,83V / 1m |                 |
| Magnet                    | Ferrite              |                 |
| Magnet size Ø x h         | 120 x 20 mm          | 4,724 "x 0,787" |
| Total driver displacement | 0,5 l                | 0,018 cf        |
| Weight of one component   | 2,3 kg               | 5,071 lb        |
| Voice coil Ø              | 38 mm                | 1,496"          |
| Voice coil height         | 22 mm                | 0,866 "         |
| Cone                      | Rigid treated paper  |                 |

#### FREQUENCY RESPONSE / IMPEDANCE



#### THIELE-SMALL PARAMETERS

|                 |                        |
|-----------------|------------------------|
| effective Ø (d) | 165 mm                 |
| Sd              | 213,82 cm <sup>2</sup> |
| Xmax            | 8 mm                   |
| Re              | 2                      |
| Fs              | 35,58 Hz               |
| Le              | 487,73 µH @ 1 kHz      |
| Le              | 955,48 µH @ 10 kHz     |
| Vas             | 20,82 L                |
| Mms             | 61,72 g                |
| Cms             | 0,000324 m/N           |
| BL              | 7,36 Tm                |
| Qts             | 0,47                   |
| Qes             | 0,51                   |
| Qms             | 5,74                   |
| SPL (1W/1m)     | 84,5 dB                |

#### RECOMMENDED ENCLOSURES

| Internal volume Vb | Internal Ø port | Length port | Fb    | F-3dB | Boost           |
|--------------------|-----------------|-------------|-------|-------|-----------------|
| 10                 | 7 cm            | 46 cm       | 47 Hz | 46 Hz | 4,0 dB at 73 Hz |
| 15                 | 7 cm            | 35 cm       | 44 Hz | 39 Hz | 3,5 dB at 61 Hz |
| 25                 | 7 cm            | 30 cm       | 40 Hz | 35 Hz | 3,0 dB at 53 Hz |

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