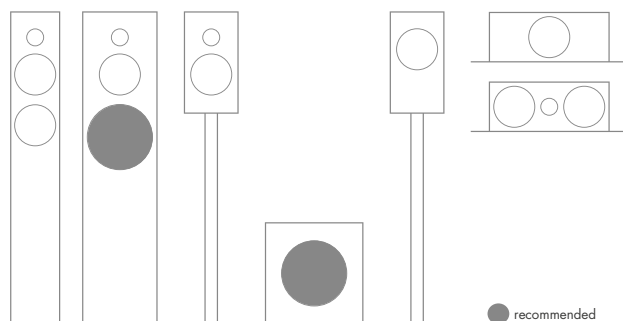
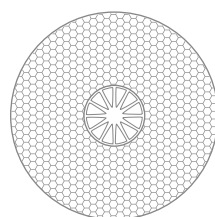




# SYMPHONY II

## 8-512/C8/32 HEX

#1.2100.08



### Technische Daten Technical data

|  |          |      |          |
|--|----------|------|----------|
| Nennimpedanz<br>Nominal impedance                      | $Z_n$    | 8    | $\Omega$ |
| Gleichstromwiderstand<br>DC resistance                 | $R_e$    | 7.0  | $\Omega$ |
| Resonanzfrequenz 1W<br>Resonance frequency 1W          | $f_r$    | 26   | Hz       |
| Resonanzfrequenz TSP<br>Resonance frequency TSP        | $f_r$    | 27   | Hz       |
| Nachgiebigkeit der Aufhängung<br>Suspension compliance | $C_{MS}$ | 1.48 | mm/N     |
| Mechanische Güte<br>Mechanical Q                       | $Q_{ms}$ | 6.00 |          |
| Elektrische Güte<br>Electrical Q                       | $Q_{es}$ | 0.43 |          |
| Gesamtgüte<br>Total Q                                  | $Q_{ts}$ | 0.40 |          |
| Mechanischer Widerstand<br>Mechanical resistance       | $R_{MS}$ | 0.74 | kg/s     |

|   |          |       |                 |
|---|----------|-------|-----------------|
| Gesamte bewegte Masse (einschl. bewegter Luftmasse)<br>Total moving mass (incl. air mass) | $M_{MD}$ | 25.0  | g               |
| Effektive Abstrahlfläche<br>Effective piston area   | $S_D$    | 222   | cm <sup>2</sup> |
| Induktivität Schwingspule<br>Voice coil inductance  | $L_e$    | 0.72  | mH              |
| Kraftfaktor<br>Force factor   | $B_{xl}$ | 7.8   | Tm              |
| Xmax elektrisch<br>Xmax electrical  | +/-      | 5.5   | mm              |
| Xmax mechanisch<br>Xmax mechanical  | +/-      | 14.2  | mm              |
| Äquivalentvolumen<br>Equivalent volume  | $V_{AS}$ | 102.0 | dm <sup>3</sup> |
| Mittlerer Kennschalldruckpegel 1W/1m<br>Characteristic SPL 1W/1m                          |          | 89    | dB SPL          |
| Belastbarkeit<br>Rated power  |          | 80*   | W               |

\* IEC 60268-5

### Mechanische Daten Mechanical data

|   |         |    |
|---|---------|----|
| Gesamtdurchmesser<br>Overall diameter           | 223     | mm |
| Einbaudurchmesser<br>Cutout diameter            | 190     | mm |
| Korbrandstärke<br>Frame depth                   | 7.8     | mm |
| Gesamtiefe<br>Overall depth                     | 108.3   | mm |
| Durchmesser Schraubloch<br>Screw holes diameter | 5.3/9   | mm |
| Terminal<br>Terminal                            | 2.8/4.8 | mm |
| Gewicht<br>Weight                               | 2.23    | kg |

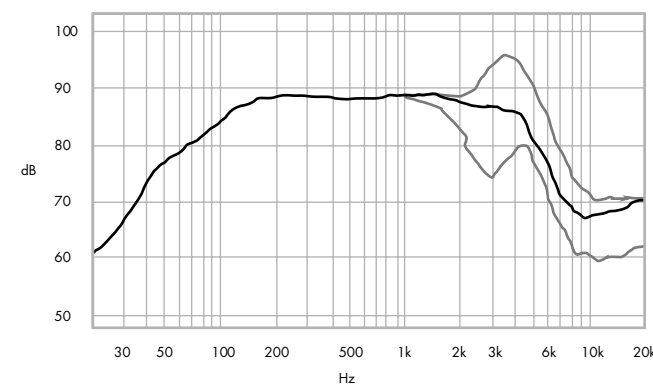
### Magnet Magnet

|   |          |    |
|---|----------|----|
| Magnetische Flussdichte<br>Flux density | 1.00     | T  |
| Höhe Luftspalt<br>Height of air gap     | 8        | mm |
| Material<br>Material                    | Ferrite  |    |
| Dimensionen<br>Dimensions               | 102 x 46 | mm |
| Höhe<br>Height                          | 22       | mm |
| Antriebssystem<br>Motor type            | Overhung |    |
| Ferrolfluid<br>Ferrofluid               | no       |    |

### Frequenzbereich Frequency range

|  |              |
|--|--------------|
| Empfohlener Frequenzbereich<br>Recommended frequency range | 40 – 2000 Hz |
|--|--------------|

### Frequenzgang Frequency response

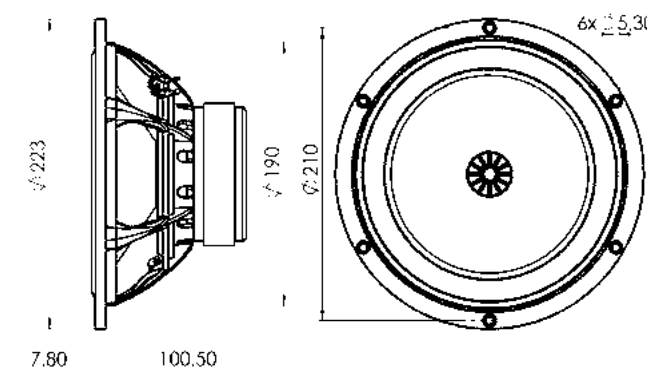


SPL 2,83 V/1m; black 30°, grey 0°, 60°; half space; endless baffle; enclosure 700 l

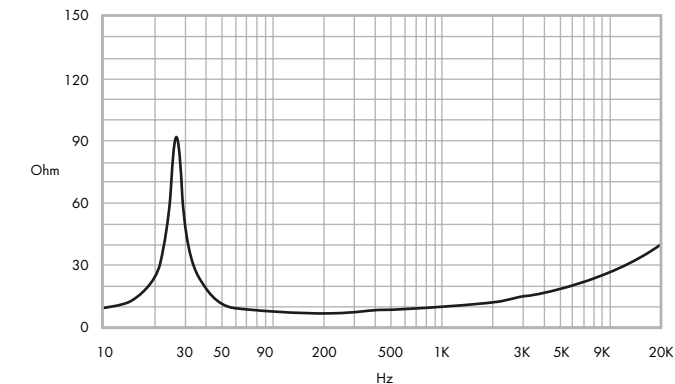
### Schwingspule Voice coil

|                                   |        |    |
|-----------------------------------|--------|----|
| Diameter<br>Durchmesser           | 32     | mm |
| Höhe<br>Height                    | 19     | mm |
| Drahtmaterial<br>Wire material    | CCAW   |    |
| Trägermaterial<br>Former material | Kapton |    |
| Wicklungslagen<br>Layers          | 1      |    |

### Technische Abmessungen Technical dimensions



### Impedanz Impedance



Measured free air without baffle