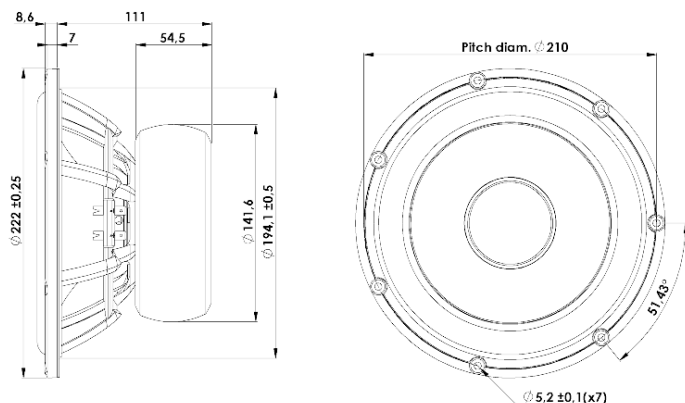


## 22 cm Woofer

## 22W/8857T00



### T-S Parameters:

|                               |                     |
|-------------------------------|---------------------|
| Resonance frequency [fs]      | 23 Hz               |
| Mechanical Q factor [Qms]     | 4.90                |
| Electrical Q factor [Qes]     | 0.32                |
| Total Q factor [Qts]          | 0.30                |
| Force factor [Bl]             | 10.1 Tm             |
| Mechanical resistance [Rms]   | 1.09 kg/s           |
| Moving mass [Mms]             | 37 g                |
| Compliance [Cms]              | 1.29 mm/N           |
| Effective diaph. diameter [D] | 167 mm              |
| Effective piston area [Sd]    | 220 cm <sup>2</sup> |
| Equivalent volume [Vas]       | 87.7 l              |
| Sensitivity (2,83V/1m)        | 86 dB               |

### Mechanical Data:

|                             |             |
|-----------------------------|-------------|
| Voice coil diameter         | 50 mm       |
| Voice coil height           | 24 mm       |
| Voice coil layers           | 2           |
| Gap height                  | 6 mm        |
| Linear excursion            | $\pm 9$ mm  |
| Max mech. excursion         | $\pm 14$ mm |
| Unit weight                 | 3.6 kg      |
| Cabinet Displacement Volume | 1.04 l      |

### Electrical Data:

|                            |              |
|----------------------------|--------------|
| Nominal impedance [Zn]     | 8 $\Omega$   |
| Minimum impedance [Zmin]   | 7.2 $\Omega$ |
| Maximum impedance [Zo]     | 101 $\Omega$ |
| DC resistance [Re]         | 6.2 $\Omega$ |
| Voice coil inductance [Le] | 0.35 mH      |

### Power Handling:

|                                |       |
|--------------------------------|-------|
| 100h RMS noise test (IEC 18.4) | 80 W  |
| Long-term max power (IEC 18.2) | 200 W |
| X-over:                        | None  |

### Key Features:

- Patented Symmetrical Drive Motor Design
- Rigid Black Anodized Alu Cone
- Low-Loss linear suspension
- Low Damping SBR Rubber Surround
- Die cast Alu Chassis vented below spider
- Ferrite Magnet System w. Rubber Boot

### Recommendations (please see Tech Note):

- Operating frequency range: fs-3000 Hz
- Cabinet volume - closed box: Vbox=22 ltr, f(-3dB)=52 Hz
- Cabinet volume - vented box: Vbox=39 ltr, fb=30 Hz, f(-3dB)=33 Hz

