

## 38 cm Woofer

## 38WE/8582T00



### T-S Parameters:

Resonance frequency [fs]	26 Hz
Mechanical Q factor [Qms]	3.78
Electrical Q factor [Qes]	0.26
Total Q factor [Qts]	0.24
Force factor [Bl]	18.7 Tm
Mechanical resistance [Rms]	3.7 kg/s
Moving mass [Mms]	85.5 g
Compliance [Cms]	0.44 mm/N
Effective diaph. diameter [D]	324 mm
Effective piston area [Sd]	825 cm <sup>2</sup>
Equivalent volume [Vas]	423 l
Sensitivity (2,83V/1m)	95 dB

### Mechanical Data:

Voice coil diameter	84/68 mm
Voice coil height	27.5 mm
Voice coil layers	2
Gap height	7 mm
Linear excursion	± 10.2 mm
Max mech. excursion	± 15 mm
Unit weight	5.7 kg
Cabinet Displacement Volume	2.56 l

### Electrical Data:

Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	8.1 Ω
Maximum impedance [Zo]	82 Ω
DC resistance [Re]	6.4 Ω
Voice coil inductance [Le]	0.8 mH

### Power Handling:

100h RMS noise test (IEC 18.4)	350 W
Long-term max power (IEC 18.2)	650 W
X-over: 2. order LP Butterworth, 200 Hz	

### Key Features:

- Elliptical voice coil
- AirCirc optimized magnetsystem
- Very low mechanical losses
- Exceptionally low distortion
- High Sensitivity (SPL)
- Flexible appearance with replaceable decor ring

### Recommendations (please see Tech Note):

- Operating frequency range: fs-1000 Hz
- Cabinet volume - closed box: Vbox=55 ltr, f(-3dB)=76 Hz
- Cabinet volume - vented box: Vbox=75 ltr, fb=44 Hz, f(-3dB)=53 Hz

