The 21W/8555-10 is a mechanically upgraded version of 21W/8555-00, its major change is the alu chassis, that maintain same shape, dimensions and visual appearance. The patented Symmetric Drive (SD-1) concept with copper in the magnet system and carbonfiber paper cone and low loss linear suspension continues to be the key features that make the 21W/8555-10 one of the best 8” woofers available.

KEY FEATURES:
- Patented Symmetrical Drive Motor Design SD-1
- Low-Loss linear suspension
- Low Damping SBR Rubber Surround
- Die Cast Alu. Chassis
- Air Dried Paper/Carbon Fibre Cone
- 42mm Voice Coil

T-S Parameters
- Resonance frequency \([f_s]\) 20 Hz
- Mechanical Q factor \([Q_{ms}]\) 4.50
- Electrical Q factor \([Q_{es}]\) 0.33
- Total Q factor \([Q_{ts}]\) 0.31
- Force factor \([B_l]\) 8.2 Tm
- Mechanical resistance \([R_{ms}]\) 0.89 kg/s
- Moving mass \([M_{ms}]\) 32 g
- Compliance \([C_{ms}]\) 1.98 mm/N
- Effective diaph. diameter \([D]\) 167 mm
- Effective piston area \([S_d]\) 220 cm²
- Equivalent volume \([V_{as}]\) 134 l
- Sensitivity (2.83V/1m) 87 dB
- Ratio \(B_l/V_{Re}\) 3.50 N/√W
- Ratio \(f_s/Q_{ts}\) 65 Hz

Notes:
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: January 22, 2016.

Electrical Data
- Nominal impedance \([Z_n]\) 8 Ω
- Minimum impedance \([Z_{min}]\) 6.4 Ω
- Maximum impedance \([Z_0]\) 80.5 Ω
- DC resistance \([R_e]\) 5.5 Ω
- Voice coil inductance \([L_e]\) 0.4 mH

Power Handling
- 100h RMS noise test (IEC 17.1) 100 W
- Long-term max power (IEC 17.3) 160 W

Voice Coil & Magnet Data
- Voice coil diameter 42 mm
- Voice coil height 19 mm
- Voice coil layers 2
- Height of gap 6 mm
- Linear excursion ± 6.5 mm
- Max mech. excursion ± 12 mm
- Unit weight 2.2 kg

N.C. Madsensvej 1 · 6920 Videbæk · Denmark · Phone: +45 6040 5200 · www.scan-speak.dk
Advanced Parameters (Preliminary)

**Electrical data**
- Resistance \([R_e']\): 5.58 \(\Omega\)
- Free inductance \([L_{eb}]\): 0.158 mH
- Bound inductance \([L_{e}]\): 2.04 mH
- Semi-inductance \([K_e]\): 0.033 SH
- Shunt resistance \([R_{ss}]\): 101 \(\Omega\)

**Mechanical data**
- Force Factor \([B_l]\): 7.81 Tm
- Moving mass \([M_{ms}]\): 33.9 g
- Compliance \([C_{ms}]\): 1.22 mm/N
- Mechanical resistance \([R_{ms}]\): 0.70 kg/s
- Admittance \([A_{ms}]\): 0.09 mm/N

---

N.C. Madsensvej 1 · 6920 Videbæk · Denmark · Phone: +45 6040 5200 · www.scan-speak.dk