

8" - 500W Professional Woofer

LP 210.65/N220 T 16 Ω

Code Z005351

GENERAL CHARACTERISTICS

| | | |
|-----------------------------------|------|----|
| Nominal Overall Diameter | 210 | mm |
| Nominal Voice Coil Diameter | 65 | mm |
| Magnet Weight | 220 | g |
| Flux Density..... | 1.22 | T |
| Weight..... | 1.80 | Kg |

THIELE-SMALL PARAMETERS

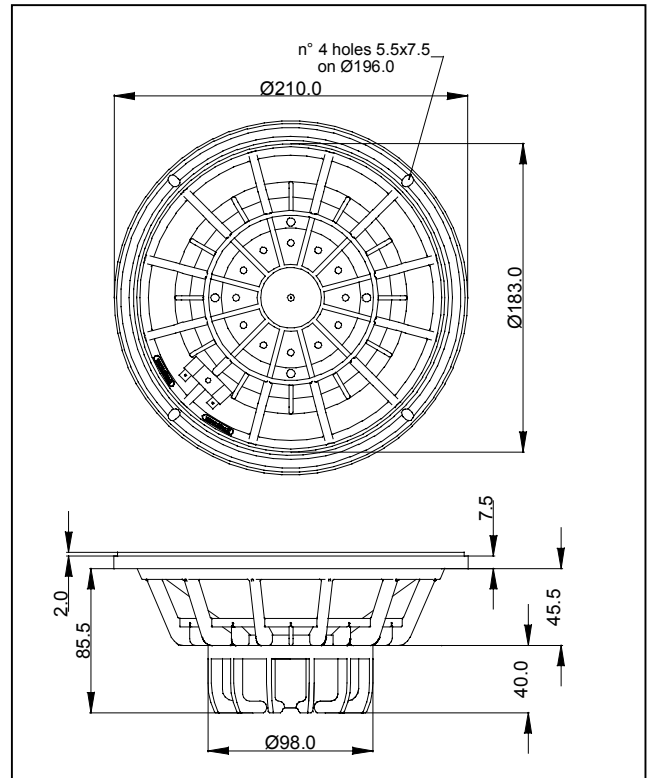
| | | | |
|------------------------------------|--------------|--------|-----------------|
| Voice Coil DC Resistance | R_E | 11.87 | Ω |
| Resonance Frequency | f_s | 79.2 | Hz |
| Mechanical Q Factor..... | Q_{MS} | 3.46 | |
| Electrical Q Factor..... | Q_{ES} | 0.31 | |
| Total Q Factor | Q_{TS} | 0.28 | |
| Mechanical Moving Mass | M_{MS} | 20.9 | g |
| Mechanical Compliance | C_{MS} | 190 | μm/N |
| Force Factor | $B \times l$ | 20.06 | Wb/m |
| Equivalent Acoustic Volume..... | V_{AS} | 12.5 | lt. |
| Maximum Linear Displacement | X_{MAX} | +/-2.0 | mm |
| Reference Efficiency | η_0 | 1.94 | % |
| Diaphragm Area | S_D | 213.8 | cm ² |
| Losses Electrical Resistance..... | R_{ES} | 133.7 | Ω |
| Voice Coil Inductance @ 1kHz | L_E | 1.18 | mH |

CONSTRUCTIVE CHARACTERISTICS

| | |
|-------------------------|--------------------|
| Magnet..... | Neodymium |
| Voice Coil Winding..... | Copper |
| Voice Coil Former..... | Kapton |
| Cone | Paper |
| Surround..... | Treated Cloth |
| Dust Dome | Solid Paper |
| Basket | Aluminium Die-Cast |

ELECTRICAL CHARACTERISTICS

| | | |
|------------------------------|------|----|
| Nominal Impedance..... | 16 | Ω |
| Musical Power | 500 | W |
| Rated Power* | 250 | W |
| Sensitivity @ 1 W, 1 m | 96.4 | dB |



*rated power measured with 2 hours test with pink noise signal, 6 dB crest factor, loudspeaker mounted on enclosure
Thiele-Small parameters measured with LASER system

Frequency Response on IEC Baffle (DIN 45575) @ 1 W, 1 m - Impedance

