



TECHNICAL SPECIFICATIONS

| PRODUCT NAME | P112S4 | P112S8 |
|------------------------------------|--|--|
| NOMINAL DIAMETER | 12" [305] | 12" [305] |
| MAGNET WEIGHT | 40 oz (1134 g) | 40 oz (1134 g) |
| FREQUENCY RANGE | 25 Hz-250 Hz | 26 Hz-250 Hz |
| VOICE COIL DIAMETER | 1.50" [38.1] | 1.50" [38.1] |
| VOICE COIL WINDING WIDTH | 0.92" [23] | 0.92" [23] |
| VOICE COIL FORMER MATERIAL | ALUMINUM | ALUMINUM |
| NOMINAL IMPEDANCE | 4 Ohms | 8 Ohms |
| DC RESISTANCE (Re) | 3.4 Ohms | 6.8 Ohms |
| VOICE COIL INDUCTANCE | 3.1 mH | 4.8 mH |
| RESONANCE FREQUENCY (Fs) | 25 Hz | 26 Hz |
| MECHANICAL Q FACTOR (Qms) | 7.31 | 8.37 |
| ELECTRICAL Q FACTOR (Qes) | 0.56 | 0.61 |
| TOTAL Q FACTOR (Qts) | 0.53 | 0.57 |
| COMPLIANCE (Cms) | 2.63E-04 m/N | 2.63E-04 m/N |
| EQUIVALENT AIR VOLUME (Vas) | 3.886 FT ³ (110.0 LITERS) | 3.886 FT ³ (110.0 LITERS) |
| MOVING MASS (Mms) | 5.53 oz (156.8 g) | 5.04 oz (143.0 g) |
| MECH. RESIST. LOSSES (Rms) | 3.11 kg/s | 2.78 kg/s |
| SENSITIVITY (SPL) W/M | 86 dB | 86 dB |
| FORCE FACTOR (BL) | 12.1 T-m | 15.9 T-m |
| EFFECTIVE CONE AREA (SD) | 84 in ² (0.054 m ²) | 84 in ² (0.054 m ²) |
| LINEAR EXCURSION (X-MAX) | 0.30" [8] | 0.30" [8] |
| OPERATING POWER (PE) | 150 W RMS/300 W PEAK | 150 W RMS/300 W PEAK |
| EFF. BANDWIDTH PROD. (EBP) | 45 | 43 |
| MOTOR CONSTANT (K _{rm}) | 16.34 mOhms | 20.42 mOhms |
| MOTOR CONSTANT (E _{rm}) | 0.750 | 0.781 |
| MOTOR CONSTANT (K _{xm}) | 122.47 mH | 223.70 mH |
| MOTOR CONSTANT (E _{xm}) | 0.579 | 0.560 |
| MOTOR IMPEDANCE (R _{em}) | 11.53 Ohms | 18.78 Ohms |

SPECIFICATIONS MAY VARY PER MANUFACTURING TOLERANCES AND ARE SUBJECT TO IMPROVEMENT WITHOUT NOTICE.

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| DESCRIPTION: 12 INCH PUNCH STAGE 1 WOOFER | | RELEASE & DATE: #1 (4-22-04) | |
| ENGINEER: | DATE: 4-22-04 | SCALE: 1:3 | CREATED IN SOLIDWORKS |
| DOC CON: | SHEET: 1 OF 1 | UNITS: INCHES [MILLIMETERS] | ROCKFORD ACOUSTIC DESIGNS |
| | | | 3056 WALKER RIDGE DRIVE SUITE G WALKER, MI 49544 |