



# TECHNICAL SPECIFICATIONS

PRODUCT NAME	P210S4	P210S8
NOMINAL DIAMETER	10" [254]	10" [254]
MAGNET WEIGHT	58 oz (1644 g)	58 oz (1644 g)
FREQUENCY RANGE	32 Hz-250 Hz	33 Hz-250 Hz
VOICE COIL DIAMETER	2" [51]	2" [51]
VOICE COIL WINDING WIDTH	1.23" [31]	1.23" [31]
VOICE COIL FORMER MATERIAL	ALUMINUM	ALUMINUM
NOMINAL IMPEDANCE	4 Ohms	8 Ohms
DC RESISTANCE (Re)	3.6 Ohms	7.2 Ohms
VOICE COIL INDUCTANCE	2.6 mH	4.1 mH
RESONANCE FREQUENCY (Fs)	32 Hz	33 Hz
MECHANICAL Q FACTOR (Qms)	7.09	6.32
ELECTRICAL Q FACTOR (Qes)	0.50	0.56
TOTAL Q FACTOR (Qts)	0.47	0.51
COMPLIANCE (Cms)	2.18E-04 m/N	2.18E-04 m/N
EQUIVALENT AIR VOLUME (Vas)	1.272 FT^3 (36 LITERS)	1.272 FT^3 (36 LITERS)
MOVING MASS (Mms)	3.98 oz (112.7 g)	3.84 oz (108.9 g)
MECH. RESIST. LOSSES (Rms)	3.21 kg/s	3.59 kg/s
SENSITIVITY (SPL) W/M	86 dB	86 dB
FORCE FACTOR (BL)	12.7 T-m	16.9 T-m
EFFECTIVE CONE AREA (SD)	53 in^2 (0.034 m^2)	53 in^2 (0.034 m^2)
LINEAR EXCURSION (X-MAX)	0.43" [11]	0.43" [11]
OPERATING POWER (PE)	200 W RMS/400 W PEAK	200 W RMS/400 W PEAK
EFF. BANDWIDTH PROD. (EBP)	64	60
MOTOR CONSTANT (K <sub>rm</sub> )	26.68 mOhms	35.11 mOhms
MOTOR CONSTANT (E <sub>rm</sub> )	0.686	0.686
MOTOR CONSTANT (K <sub>xm</sub> )	104.71 mH	194.41 mH
MOTOR CONSTANT (E <sub>xm</sub> )	0.575	0.558
MOTOR IMPEDANCE (R <sub>em</sub> )	10.73 Ohms	18.12 Ohms

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

DESCRIPTION: 10 INCH PUNCH STAGE 2 WOOFER		RELEASE & DATE: #1 (4-22-04)	
ENGINEER:	DATE: 4-22-04	SCALE: 1:3	<small>CREATED IN SOLIDWORKS</small> ROCKFORD ACOUSTIC DESIGNS 3056 WALKER RIDGE DRIVE SUITE G WALKER, MI 49544
DOC CON:	SHEET: 1 OF 1	UNITS: INCHES [MILLIMETERS]	