



# TECHNICAL SPECIFICATIONS

PRODUCT NAME	P215S4	P215S8
NOMINAL DIAMETER	15" [381]	15" [381]
MAGNET WEIGHT	57 oz (1616 g)	57 oz (1616 g)
FREQUENCY RANGE	20 Hz-250 Hz	21 Hz-250 Hz
VOICE COIL DIAMETER	2" [51]	2" [51]
VOICE COIL WINDING WIDTH	1.36" [35]	1.36" [35]
VOICE COIL FORMER MATERIAL	ALUMINUM	ALUMINUM
NOMINAL IMPEDANCE	4 Ohms	8 Ohms
DC RESISTANCE (Re)	3.6 Ohms	7.2 Ohms
VOICE COIL INDUCTANCE	3.4 mH	5.1 mH
RESONANCE FREQUENCY (Fs)	20 Hz	21 Hz
MECHANICAL Q FACTOR (Qms)	8.54	7.25
ELECTRICAL Q FACTOR (Qes)	0.68	0.67
TOTAL Q FACTOR (Qts)	0.63	0.62
COMPLIANCE (Cms)	2.18E-04 m/N	2.18E-04 m/N
EQUIVALENT AIR VOLUME (Vas)	6.853 FT <sup>3</sup> (194 LITERS)	6.853 FT <sup>3</sup> (194 LITERS)
MOVING MASS (Mms)	10.48 oz (297.1 g)	9.55 oz (270.8 g)
MECH. RESIST. LOSSES (Rms)	4.33 kg/s	4.85 kg/s
SENSITIVITY (SPL) W/M	87.5 dB	87.5 dB
FORCE FACTOR (BL)	13.9 T-m	18.6 T-m
EFFECTIVE CONE AREA (SD)	122.5 in <sup>2</sup> (0.079 m <sup>2</sup> )	122.5 in <sup>2</sup> (0.079 m <sup>2</sup> )
LINEAR EXCURSION (X-MAX)	0.43 [11]	0.43 [11]
OPERATING POWER (PE)	250 W RMS/500 W PEAK	250 W RMS/500 W PEAK
EFF. BANDWIDTH PROD. (EBP)	31	29
MOTOR CONSTANT (K <sub>rm</sub> )	29.84 mOhms	40.37 mOhms
MOTOR CONSTANT (E <sub>rm</sub> )	0.707	0.727
MOTOR CONSTANT (K <sub>xm</sub> )	128.69 mH	233.46 mH
MOTOR CONSTANT (E <sub>xm</sub> )	0.585	0.562
MOTOR IMPEDANCE (R <sub>em</sub> )	14.45 Ohms	23.26 Ohms

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

DESCRIPTION:		15 INCH PUNCH STAGE 2 WOOFER		RELEASE & DATE:		#1 (4-22-04)	
ENGINEER:	DATE:	4-22-04	SCALE:	1:4	CREATED IN SOLIDWORKS		
DOC CON:	SHEET:	1 OF 1	UNITS:	INCHES [MILLIMETERS]	ROCKFORD ACOUSTIC DESIGNS		
				3056 WALKER RIDGE DRIVE SUITE G WALKER, MI 49544			