



TECHNICAL SPECIFICATIONS

PRODUCT NAME	P18S4	P18S8
NOMINAL DIAMETER	8" [203]	8" [203]
MAGNET WEIGHT	26 oz (737 g)	26 oz (737 g)
FREQUENCY RANGE	40 Hz-250 Hz	46 Hz-250 Hz
VOICE COIL DIAMETER	1.50" [38.1]	1.50" [38.1]
VOICE COIL WINDING WIDTH	0.84" [21]	0.84" [21]
VOICE COIL FORMER MATERIAL	ALUMINUM	ALUMINUM
NOMINAL IMPEDANCE	4 Ohms	8 Ohms
DC RESISTANCE (Re)	3.2 Ohms	6.4 Ohms
VOICE COIL INDUCTANCE	1.6 mH	2.5 mH
RESONANCE FREQUENCY (Fs)	40 Hz	41 Hz
MECHANICAL Q FACTOR (Qms)	6.89	6.63
ELECTRICAL Q FACTOR (Qes)	0.57	0.59
TOTAL Q FACTOR (Qts)	0.52	0.54
COMPLIANCE (Cms)	2.37E-04 m/N	2.37E-04 m/N
EQUIVALENT AIR VOLUME (Vas)	0.477 FT^3 (13.5 LITERS)	0.491 FT^3 (13.9 LITERS)
MOVING MASS (Mms)	2.34 oz (66.4 g)	2.22 oz (63.0 g)
MECH. RESIST. LOSSES (Rms)	2.43 kg/s	2.45 kg/s
SENSITIVITY (SPL) W/M	84 dB	84 dB
FORCE FACTOR (BL)	9.8 T-m	13.25 T-m
EFFECTIVE CONE AREA (SD)	31 in^2 (0.020 m^2)	31 in^2 (0.020 m^2)
LINEAR EXCURSION (X-MAX)	0.28" [7]	0.28" [7]
OPERATING POWER (PE)	150 W RMS/300 W PEAK	150 W RMS/300 W PEAK
EFF. BANDWIDTH PROD. (EBP)	70	69
MOTOR CONSTANT (Krm)	12.47 mOhms	20.34 mOhms
MOTOR CONSTANT (Erm)	0.710	0.712
MOTOR CONSTANT (Kxm)	64.02 mH	104.03 mH
MOTOR CONSTANT (Exm)	0.581	0.572
MOTOR IMPEDANCE (Rem)	6.15 Ohms	10.19 Ohms

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

DESCRIPTION: 8 INCH PUNCH STAGE 1 WOOFER			RELEASE & DATE: #1 (4-22-04)
ENGINEER:	DATE: 4-22-04	SCALE: 1:2	CREATED IN SOLIDWORKS
DOC CON:	SHEET: 1 OF 1	UNITS: INCHES [MILLIMETERS]	ROCKFORD ACOUSTIC DESIGNS
			3056 WALKER RIDGE DRIVE SUITE G WALKER, MI 49544