



	TECH	NICA	AL S	PECIFIC	ECIFICATIONS		
	PRODUCT NAME		P38D2		P38D4		
	NOMINAL DIAMETER MAGNET WEIGHT FREQUENCY RANGE VOICE COIL DIAMETER		8" [203]		8" [203]		
			57 oz (1616 g)		57 oz (1616 g)		
			39 Hz-250 Hz		42 Hz-250 Hz		
			2.00" [51]		2.00" [51]		
	VOICE COIL WINDING WIDTH		1.21" [37]		1.21" [37]		
	VOICE COIL FORMER MATERIAL		ALUMINUM		ALUMINUM		
	NOMINAL IMPEDANCE		(2) 2 Ohms		(2) 4 Ohms		
	DC RESISTANCE (Re)		3.1 Ohms		6.2 Ohms		
	VOICE COIL INDUCTANCE		3.0 mH		4.6 mH		
	RESONANCE FREQUENCY (Fs)		39 Hz		42 Hz		
	MECHANICAL Q FACTOR (Qms)		7.60		7.52		
	ELECTRICAL Q FACTOR (Qes) TOTAL Q FACTOR (Qts)		0.50		0.55		
			0.47		0.52		
	COMPLIANCE (Cms)		1.57E-04 m/N		1.57E-04 m/N		
	EQUIVALENT AIR VOLUME (Vas)		0.230 FT^3 (6.5 LITERS)		0.230 FT^3 (6.5 LITERS)		
	MOVING MASS (Mms)		3.72 oz (105.4 g)		3.28 oz (93.1 g)		
	MECH. RESIST. LOSSES (Rms)		3.41 kg/s		3.24 kg/s		
	SENSITIVITY (SPL) W/M		81 dB		81 dB		
	FORCE FACTOR (BL)		12.7 T-m		16.6 T-m		
	EFFECTIVE CONE AREA (SD)		26 in^2 (0.017 m^2)		26 in^2 (0.017 m^2)		
	LINEAR EXCURSION (X-MAX)		0.42" [11]		0.42" [11]		
	OPERATING POWER (PE)		250 W RMS/500 W PEAK		250 W RMS/500 W PEAK		
	EFF. BANDWIDTH PROD. (EBP)		78		76		
	MOTOR CONSTANT (Krm)		10.03 mOhms		12.5 mOhms		
	MOTOR CONSTANT (Erm) MOTOR CONSTANT (Kxm)		0.794		0.825		
			90.51 mH		157.6 mH		
	MOTOR CONSTANT (Exm)		0.611		0.595		
	MOTOR IMPEDANCE (Rem)		10.34 Ohms		16.95 Ohms		
	THIELE-SMA	EMENTS MADE WITH VOICE COILS IN SERIES.					
	SPECIFICATIONS			FACTURING TOLER. NT WITHOUT NOTIC		CES AND ARE SUBJECT	
	DESCRIPTION:		STAGE 3 WOOFER			RELEASE & DATE: #1 (8-11-04)	
	ENGINEER: DATE:		SCALE:			CREATED IN SOLIDWORKS ROCKFORD ACOUSTIC DESIGNS	
DOC CON:		8-11-04 SHEET: 1 OF 1		UNITS:		3056 WALKER RIDGE DRIVE	
		1	OF 1 INCHES [MILLIMETE		RS] WALKER, MI 49544		