



# TECHNICAL SPECIFICATIONS

	T110D2	T110D4
PRODUCT NAME	T110D2	T110D4
NOMINAL DIAMETER	10" [254]	10" [254]
MAGNET WEIGHT	102 oz (2892 g)	102 oz (2892 g)
FREQUENCY RANGE	35 Hz-250 Hz	36 Hz-250 Hz
VOICE COIL DIAMETER	3.00" [76.2]	3.00" [76.2]
VOICE COIL WINDING WIDTH	1.465" [37]	1.465" [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)	35 Hz	36 Hz
MECHANICAL Q FACTOR (Qms)	6.09	5.68
ELECTRICAL Q FACTOR (Qes)	0.60	0.67
TOTAL Q FACTOR (Qts)	0.55	0.60
COMPLIANCE (Cms)	1.15E-04 m/N	1.15E-04 m/N
EQUIVALENT AIR VOLUME (Vas)	0.558 FT <sup>3</sup> (15.8 LITERS)	0.558 FT <sup>3</sup> (15.8 LITERS)
MOVING MASS (Mms)	6.39 oz (181.1 g)	5.82 oz (164.9 g)
MECH. RESIST. LOSSES (Rms)	6.51 kg/s	6.67 kg/s
SENSITIVITY (SPL) W/M	82 dB	82 dB
FORCE FACTOR (BL)	13.7 T-m	18.0 T-m
EFFECTIVE CONE AREA (SD)	48 in <sup>2</sup> (0.031 m <sup>2</sup> )	48 in <sup>2</sup> (0.031 m <sup>2</sup> )
LINEAR EXCURSION (X-MAX)	0.55" [14]	0.55" [14]
OPERATING POWER (PE)	600 W RMS/1200 W PEAK	600 W RMS/1200 W PEAK
EFF. BANDWIDTH PROD. (EBP)	58	54
MOTOR CONSTANT (K <sub>rm</sub> )	43.23 mOhms	51.83 mOhms
MOTOR CONSTANT (E <sub>rm</sub> )	0.656	0.692
MOTOR CONSTANT (K <sub>xm</sub> )	96.80	163.63 mH
MOTOR CONSTANT (E <sub>xm</sub> )	0.603	0.591
MOTOR IMPEDANCE (R <sub>em</sub> )	13.41 Ohms	22.03 Ohms

THIELE-SMALL MEASUREMENTS MADE WITH VOICE COILS IN SERIES.

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

DESCRIPTION:		10 INCH POWER STAGE 1 WOOFER		RELEASE & DATE:	#1 (5-11-04)
ENGINEER:	DATE:	SCALE:		CREATED IN SOLIDWORKS	
	5-11-04	1:3		ROCKFORD ACOUSTIC DESIGNS	
DOC CON:	SHEET:	UNITS:		3056 WALKER RIDGE DRIVE	
	1 OF 1	INCHES [MILLIMETERS]		SUITE G	
				WALKER, MI 49544	