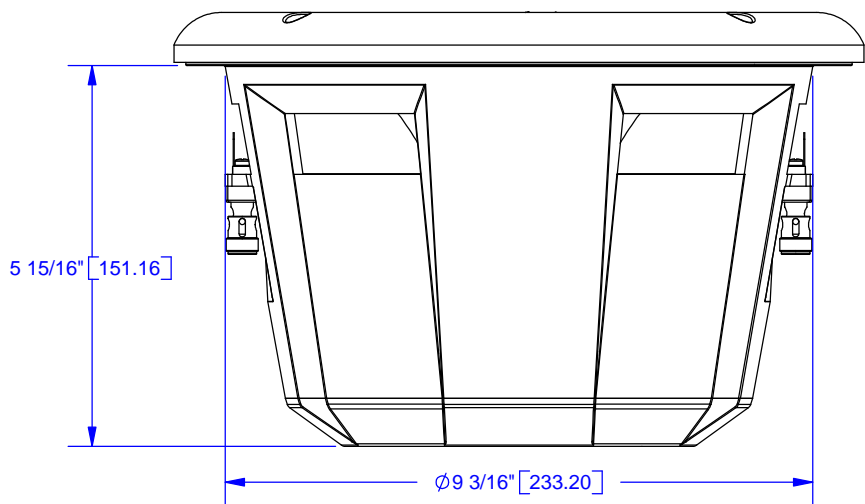


$\phi 9 \frac{13}{16}$  [248.62] MOUNTING HOLE DIAMETER



# TECHNICAL SPECIFICATIONS

PRODUCT NAME	P310D2	P310D4
NOMINAL DIAMETER	10" [254]	10" [254]
MAGNET WEIGHT	78 oz (2211 g)	78 oz (2211 g)
FREQUENCY RANGE	27 Hz-250 Hz	29 Hz-250 Hz
VOICE COIL DIAMETER	2.50" [64]	2.50" [64]
VOICE COIL WINDING WIDTH	1.43" [36]	1.43" [36]
VOICE COIL FORMER MATERIAL	ALUMINUM	ALUMINUM
NOMINAL IMPEDANCE	(2) 2 Ohms	(2) 4 Ohms
DC RESISTANCE (Re)	3.4 Ohms	6.8 Ohms
VOICE COIL INDUCTANCE	3.6 mH	5.4 mH
RESONANCE FREQUENCY (Fs)	27 Hz	29 Hz
MECHANICAL Q FACTOR (Qms)	6.69	6.03
ELECTRICAL Q FACTOR (Qes)	0.54	0.61
TOTAL Q FACTOR (Qts)	0.50	0.55
COMPLIANCE (Cms)	1.79E-04 m/N	1.79E-04 m/N
EQUIVALENT AIR VOLUME (Vas)	0.865 FT <sup>3</sup> (24.5 LITERS)	0.865 FT <sup>3</sup> (24.5 LITERS)
MOVING MASS (Mms)	6.67 oz (189.1 g)	5.75 oz (163.1 g)
MECH. RESIST. LOSSES (Rms)	4.87 kg/s	5.06 kg/s
SENSITIVITY (SPL) W/M	85 dB	85 dB
FORCE FACTOR (BL)	14.4 T-m	18.4 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)	0.47" [12]	0.47" [12]
OPERATING POWER (PE)	400 W RMS/800 W PEAK	400 W RMS/800 W PEAK
EFF. BANDWIDTH PROD. (EBP)	50	48
MOTOR CONSTANT (K <sub>rm</sub> )	53.28 mOhms	64.67 mOhms
MOTOR CONSTANT (E <sub>rm</sub> )	0.661	0.691
MOTOR CONSTANT (K <sub>xm</sub> )	121.64 mH	214.47 mH
MOTOR CONSTANT (E <sub>xm</sub> )	0.598	0.578
MOTOR IMPEDANCE (R <sub>em</sub> )	17.17 Ohms	27.32 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 PUNCH STAGE 3 WOOFER		RELEASE & DATE:	#1 (4-22-04)
ENGINEER:	DATE:	4-22-04	SCALE:	1:3	
DOC CON:	SHEET:	1 OF 1		CREATED IN SOLIDWORKS ROCKFORD ACOUSTIC DESIGNS 3056 WALKER RIDGE DRIVE SUITE G WALKER, MI 49544	