



	<i>f</i>	<i>g</i>	<i>j</i>
<i>W<sub>v</sub></i> (lbs)	25	40	80
<i>D<sub>p</sub></i> (cm)	4	-	4
<i>L<sub>p</sub></i> (cm)	15	-	8
	<i>B</i>	<i>C</i>	<i>B</i>
max (dB)	3	1	1
<i>f<sub>1</sub></i> (Hz)	45	40	32
<i>f<sub>2</sub></i> (Hz)	34	29	24
<i>f<sub>3</sub></i> (Hz)	28	-	24
<i>f<sub>c</sub></i> (Hz)	-	50	-
<i>Q<sub>ts</sub></i>	-	0.08	-

*B* = Bass reflex box. *C* = Chassis box.  
*f* dB equals *B* dB

Shielded 8" woofer with polypropylene cone and rubber surround. This speaker is made especially for use in systems which have to be placed nearby stray field sensitive equipment such as a television set or a computer monitor. A common application is for a center speaker in a surround system.

Thiele Small parameters:

		Free air	Common	Baffled
Nominal impedance	<i>Z<sub>n</sub></i> (Ω)		8	
Minimum impedance/at freq.	<i>Z<sub>min</sub></i> (Ω/Hz)		6.1 / 183	
Maximum impedance	<i>Z<sub>o</sub></i> (Ω)		32.0	
Dc resistance	<i>R<sub>e</sub></i> (Ω)		6.0	
Voice coil inductance	<i>L<sub>e</sub></i> (mH)		1.4	
Capacitor in series with 8 Ω (for impedance compensation)	<i>C<sub>c</sub></i> (μF)		9	
Resonance Frequency	<i>f<sub>s</sub></i> (Hz)	26.5		25.2
Mechanical Q factor	<i>Q<sub>ms</sub></i>	2.41		2.54
Electrical Q factor	<i>Q<sub>es</sub></i>	0.55		0.58
Total Q factor	<i>Q<sub>ts</sub></i>	0.45		0.47
F (Ratio <i>f<sub>s</sub></i> / <i>Q<sub>ts</sub></i> )	<i>F</i> (Hz)			53
Mechanical resistance	<i>R<sub>ms</sub></i> (Kg/s)		1.56	
Moving mass	<i>M<sub>ms</sub></i> (g)	22.5		25.0
Suspension compliance	<i>C<sub>ms</sub></i> (mm/N)		1.60	
Effective cone diameter	<i>D</i> (cm)		17.1	
Effective piston area	<i>S<sub>d</sub></i> (cm <sup>2</sup> )		230	
Equivalent volume	<i>V<sub>as</sub></i> (ltrs)		117.0	
Force factor	<i>Bl</i> (N/A)		6.4	
Reference voltage sensitivity	(dB)			88.0
Re 2.83V 1m at 183 Hz	(Calculated)			

Magnet and voice coil parameters:

Voice coil diameter	<i>d</i> (mm)	26
Voice coil length	<i>h</i> (mm)	13
Voice coil layers	<i>n</i>	2
Flux density in gap	<i>B</i> (T)	0.99
Total useful flux	(mWb)	0.69
Height of the gap	<i>h<sub>g</sub></i> (mm)	6
Diameter of magnet	<i>d<sub>m</sub></i> (mm)	72+72
Height of magnet	<i>h<sub>m</sub></i> (mm)	15+15
Weight of magnet	(kg)	.23+.23

Max linear SPL:

