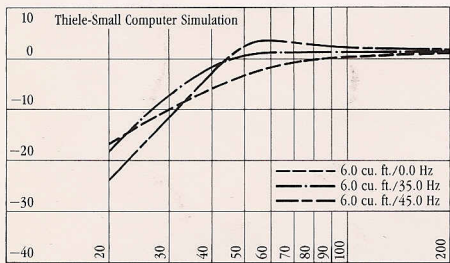


# Specifications

	4583A	4582/4562	4580/4560	3581	3580/3540
Diameter: Voice Coil/Frame	4 1/8" / 15"	4 1/8" / 15"	4 1/8" / 15"	3" / 15"	3" / 15"
Nominal Impedance	8 Ohms	8 Ohms/16 Ohms	8 Ohms/16 Ohms	8 Ohms	4 Ohms/8 Ohms
Nominal Application	Ext. Bass	Horn Loading	Bass	Ext. High	Bass
On-Axis Bandwidth*	35-2500 Hz	35-3500 Hz	35-2500 Hz	50-6000 Hz	30-3000 Hz
Rated Power**	400 Watts	400 Watts	400 Watts	200 Watts	200 Watts
Sensitivity: Metric/EIA***	97/48	100/51	98/47	103/54	101/52
Displacement: Linear (Xmax) Maximum	± .250" ± .375"	± .040" ± .165"	± .090" ± .215"	± .040" .165"	± .065" ± .200"
Free Air Resonance (Fs)	31 Hz	34 Hz	31 Hz	29 Hz	25 Hz
Highest Recommended Xo	800 Hz	1200 Hz	800 Hz	1200 Hz	1200 Hz
<b>Thiele-Small Parameters</b>					
Qms	2.5	2.1	2.3	1.73	2.7
Qes	.33	.24	.26	.22	.17
Qts	.30	.21	.23	.19	.16
Vas	10.0	8.8	7.0	15.8	15.5
D.C. Resistance (Re)	5.2 Ohms	6.7, 13.4 Ohms	6.8, 13.5 Ohms	6.1 Ohms	3.4, 6.1 Ohms
Baffle Opening: Front Load	14"	14"	14"	14"	14"
Rear Load	13 3/4"	13 3/4"	13 3/4"	13 3/4"	13 3/4"
Depth	7 1/4"	7 1/4"	7 1/2"	6 1/4"	6 1/4"
Net Weight	25 lbs.	25 lbs.	25 lbs.	18 1/4 lbs.	18 1/4 lbs.

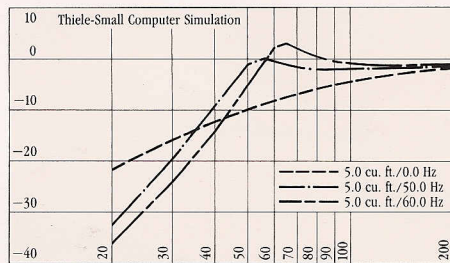
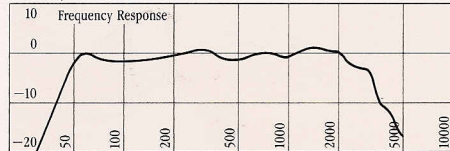
\* -6 dB, optimally tuned 4 ft<sup>3</sup> reflex type enclosure. Please refer to TS calculations for individual power bandwidth calculations.  
 \*\* All power ratings given: W=(Vrms)<sup>2</sup>/Z. For product comparison, program power may be considered as 2 to 4 times "RMS" rating.  
 \*\*\* (TYP) Metric sensitivity: 1 W, 1 M averaged swept sine wave over usable bandwidth (subtract 49 dB for EIA rating).

## 4583A



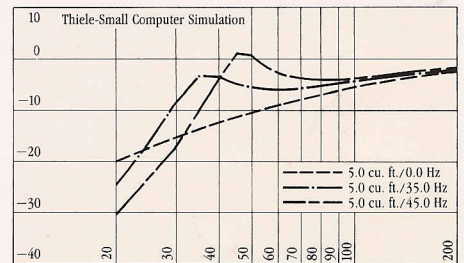
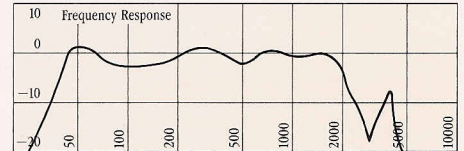
Volume	Port Area	Duct	F <sub>B</sub>
*6 cu. ft.	13 in. <sup>2</sup>	4 1/2 in.	35
6 cu. ft.	26 in. <sup>2</sup>	1 1/2 in.	45

## 4582/4562



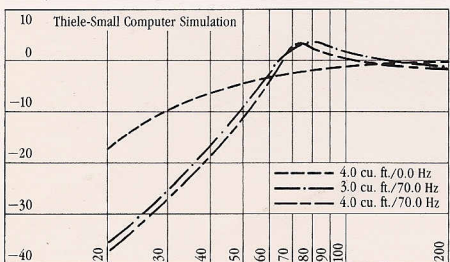
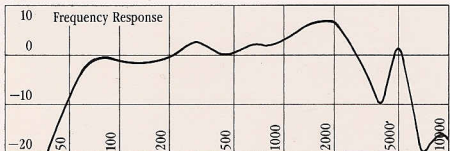
Volume	Port Area	Duct	F <sub>B</sub>
*5 cu. ft.	22 in. <sup>2</sup>	0	50
5 cu. ft.	45 in. <sup>2</sup>	0	60

## 4580/4560



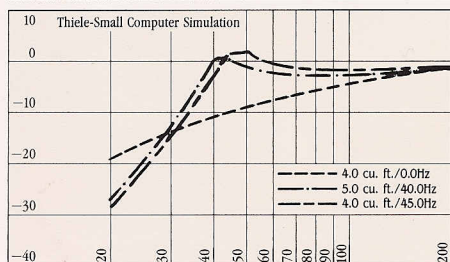
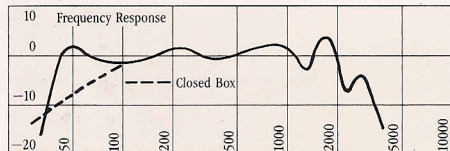
Volume	Port Area	Duct	F <sub>B</sub>
*5 cu. ft.	20 in. <sup>2</sup>	5 in.	35
5 cu. ft.	25 in. <sup>2</sup>	2 1/2 in.	45

## 3581



Volume	Port Area	Duct	F <sub>B</sub>
*3 cu. ft.	28 in. <sup>2</sup>	0	70
4 cu. ft.	50 in. <sup>2</sup>	0	70

## 3580/3540



Volume	Port Area	Duct	F <sub>B</sub>
*4 cu. ft.	22 in. <sup>2</sup>	3 1/2 in.	45
5 cu. ft.	20 in. <sup>2</sup>	3 in.	40



19130 Glenoaks Boulevard, Sun Valley, CA 91352  
 818/875-1900 Telex: 194 989 CETEC  
 Sound Ideas for Tomorrow... Today!

Cetec Gauss is constantly striving to maintain the highest professional standards. As a result of these efforts, modifications may be made from time to time to existing products without prior notice. Specifications may therefore differ from those listed.

© Cetec Gauss  
 Printed in U.S.A.  
 CET-009/884