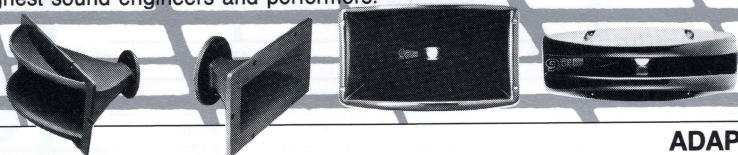


gauss

Your Reputation's Worth It.

Before every Gauss goes out the door, we know it's going to work. And work. Each of our products is precision designed, skillfully constructed of the finest materials, and then pushed to the limit in the most demanding of test procedures. All to meet the expectations of the toughest sound engineers and performers.

Review our complete line. We're proud of what the numbers show: high conversion efficiency, high power-handling capacity, assured long-term reliability. Gauss professional components and systems—you can stake your reputation on a line-up like this.



HORNS

	8143	8145	8164	8232	8263
Throat Size	1"	1"	1"	1.9"	1.9"
Sensitivity (Metric)	107 dB	107 dB	104 dB	113 dB	111 dB
Xo Frequency	800 Hz	2,500 Hz	1,500 Hz	800 Hz	800 Hz
Pattern	40°H x 90°V	40°H x 90°V	110°H x 90°V	60°H x 40°V	120°H x 60°V
Height	5 1/2"	4 3/4"	5 5/8"	14 1/2"	9"
Width	17 1/8"	10"	9 1/8"	26 1/2"	24"
Depth	10"	4"	3 3/4"	19 3/4"	15"
Net Weight	7 1/4 lbs.	2 lbs.	5 lbs.	19 1/4 lbs.	10 lbs.

ADAPTOR

	8173
Length	4"
Mounting	4" Bolt Circle (2" Throat) 2 1/4" Bolt Circle (1" Throat)
Material	Cast Aluminum
Net Weight	1.2 lbs.

STUDIO MONITOR SYSTEMS

	7351	7258
Components	4543A/3184B/2080	3588
Nominal Impedance	4 Ohms LF/8 Ohms HF	8 Ohms
Rated Power	LF 400 WRMS/HF 200 WRMS	200 WRMS
Sensitivity (Metric)	93dB	95dB
Usable Bandwidth	35 Hz-18,000 Hz	40-18,000 Hz
Pattern	90°H x 20°V	40°H x 40°V
Roll-off	4kHz (Max. Atten. —12dB @ 10kHz)	2,500 Hz
Crossovers	LF (Bi-Amp) 200Hz Acoustic 12dB @ 160 Hz 12dB @ 400 Hz MF 1,400 Hz @ 24dB/Oct.(1)	1,200 Hz
Dimensions	25 1/2"H x 19 3/4"D x 32 1/4"W	TBA
Net Weight	162 lbs.	TBA

COAXIAL LOUDSPEAKER

	3588
Components	LF HF
Nominal Impedance	3"/15" 2"/—
On-Axis Bandwidth	8 Ohms 8 Ohms
Rated Power (RMS)	40-1,200 Hz 1,200-18,000 Hz
Flux Density in Gauss	200 W 30 W
dB Sensitivity: Metric	13,500 19,000
Displacement: Linear (Xmax)	95dB 109 dB
Maximum	± .170"
Free Air Resonance (Fs)	± .300"
D.C. Resistance (Re)	30 Hz 4.7 Ohms
Gms, Qes, Qts, Vas	6.2 Ohms 2.3, .26, .24, 10 ft ³
Baffle Opening: Front Load	14"
Rear Load	13 3/4"
Depth	8 1/4"
Horn Protrusion in Front	1"
Net Weight	25 lbs.

NEW

(1) With variable attenuator.

REINFORCEMENT SYSTEMS

	5210	5226	5380
Components	2x3164B/4080/8263/Xo	4281/1502/Xo	4843A/3184B/4080/8263/Xo
Nominal Impedance	8 Ohms	8 Ohms	4 Ohms LF/8 Ohms HF (2)
Rated Power (Vrms) ² /Z	200 Watts	300 Watts (1)	LF 400/HF 150 Watts
Sensitivity (Metric)	101 dB SPL	101 dB SPL	98 dB SPL
Usable Bandwidth	60 Hz-13kHz (-6 dB)	80 Hz-20kHz	35 Hz-13kHz (-6 dB)
Crossover Frequency	1,200 Hz	3,600 Hz	250 Hz/1,200 Hz (3)
Pattern	100°H x 40°V	(@ 2kHz) 30°H x 30°V	100°H x 40°V
Dimensions	36"H x 24"D x 24"W	16"H x 23 5/8"W x 16"D	48"H x 27 1/2"D x 28"W
Net Weight	180 lbs.	50 lbs.	260 lbs.
MF Horn Cut-Off	200 Hz		225 Hz

(1) HF control @ -6dB.

(2) Bi-amp.

(3) Separate network required for 250 Hz bi-amp.

INSTRUMENT SYSTEMS

	5110	5120	5180	5181
Components	2-3161D	1-3281	1-3880	1-4882
Application(s)	Open back: Rhythm or Lead Guitar Closed back: Mid-high Frequency Element for Bass Guitar Usage	Open back: Rhythm or Lead Guitar Closed back: Mid-high Frequency Element for Bass Guitar Usage	Bass Guitar Bottom	Bass Guitar Bottom
Enclosure Type	Open back or Infinite Baffle	Open back or Infinite Baffle	Bass Reflex	Slot-Loaded
Power Handling	300 Watts RMS	150 Watts RMS	200 Watts RMS	400 Watts RMS
Sensitivity (Metric)	105 dB	102 dB	101 dB	102 dB
Impedance	8 Ohms	8 Ohms	8 Ohms	8 Ohms
Frequency Response	100 - 6,000 Hz	100 - 6,000 Hz	40 - 2,500 Hz	40 - 4,000 Hz
Dimensions	15 1/2"H x 24"W x 12 1/4"D	17"H x 19"W x 11"D	34 3/4"H x 24"W x 16 1/4"D	37 1/4"H x 24"W x 20"D
Net Weight	57 lbs.	36 lbs.	67 lbs.	100 lbs.

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The Sound Investment.

At Gauss, we manufacture the finest, most reliable loudspeakers available. They provide thoroughly proven, superior sound for any professional requirement. Sound reinforcement. Musical instrument amplification. Studio.

Our manufacturing process and costly high-demand testing mean that more goes into a Gauss loudspeaker. The results are more pure sound output per dollar invested, greater value and long-term reliability. What more could the pros on stage or backstage ask for? Gauss—the sound investment.

LOUDSPEAKERS		10"		12"		15"	
		3181D/3161D	3184D/3164B	3281/3261	4280	4281/4261	3540/3580 3581
Diameter: Voice Coil/Frame	3"/10"	3"/10"	3"/10"	3"/12"	4 1/8"/12"	4 1/8"/12"	3"/15" 3"/15"
Nominal Impedances	8, 16 Ohms	8, 16 Ohms	8, 16 Ohms	8, 16 Ohms	8 Ohms	8, 16 Ohms	4, 8 Ohms 8 Ohms
Nominal Application	Ext. High	Ext. High	Mid-Bass	Ext. High	Bass	Ext. High	Bass Ext. High
On-Axis Bandwidth	50-6,000 Hz	40-3,000 Hz	40-3,000 Hz	40-6,000 Hz	45-3,000 Hz	45-6,000 Hz	35-3,000 Hz 40-6,000 Hz
Rated Power**	150 Watts	150 Watts	150 Watts	150 Watts	400 Watts	300 Watts	200 Watts 200 Watts
Flux Density in Gauss	13,500	13,500	13,500	12,000	12,000	12,000	13,500 13,500
dB Sensitivity: Metric/EIA	102/53	96/47	102/53	97/48	100/51	101/52	101/52 103/54
Displacement: Linear (Xmax)	±.040"	±.065"	±.040"	±.090"	±.040"	±.065"	±.040" ±.065"
Maximum	±.165"	±.200"	±.165"	±.215"	±.165"	±.200"	±.165" ±.165"
Free Air Resonance (Fs)	45 Hz	37 Hz	43 Hz	38 Hz	55 Hz	25 Hz	29 Hz 29 Hz
Highest Recommended X ₀	2,500 Hz	2,500 Hz	1,500 Hz	1,500 Hz	2,500 Hz	1,200 Hz	1,200 Hz 1,200 Hz
Thiele-Small Parameters:							
Qms	2.0	1.9	2.6	2.1	2.3	2.7	1.73 1.73
Qes	.28	.16	.28	.21	.33	.17	.22 .22
Qts	.24	.14	.26	.20	.28	.16	.19 .19
Vas	1.0	1.12	5.2	3.4	2.0	15.5	15.8 15.8
D.C. Resistance (Re)	5.8, 11.4 Ohms	5.9, 11.5 Ohms	6.0, 11.0 Ohms	6.7 Ohms	7.0, 13.5 Ohms	3.4, 6.1 Ohms	6.1 Ohms 6.1 Ohms
Baffle Opening: Front Load	8 31/32"	8 31/32"	8 31/32"	11"	11"	14"	14" 14"
Rear Load	8 31/32"	8 31/32"	10 3/4"	10 3/4"	10 3/4"	13 3/4"	13 3/4" 13 3/4"
Depth	5"	5"	5 1/2"	6 1/2"	6 1/2"	6 1/4"	6 1/4" 6 1/4"
Net Weight	15 1/2 lbs.	15 1/2 lbs.	17 1/4 lbs.	23 1/2 lbs.	23 1/2 lbs.	18 1/4 lbs.	18 1/4 lbs. 18 1/4 lbs.

LOUDSPEAKERS		15"				18"	
		4580/4560	4582/4562	4583A	4583F	3840/3880 4882	4843A/4883A
Diameter: Voice Coil/Frame	4 1/8"/15"	4 1/8"/15"	4 1/8"/15"	4 1/8"/15"	4 1/8"/15"	3"/18" 4 1/8"/18"	4 1/8"/18" 4 1/8"/18"
Nominal Impedances	8, 16 Ohms	8, 16 Ohms	8 Ohms	8 Ohms	8 Ohms	4, 8 Ohms	4, 8 Ohms
Nominal Application	Bass	Horn Loading	Ext. Bass	Ext. Bass	Bass	Horn Loading	Ext. Bass
On-Axis Bandwidth	30-2,500 Hz	40-3,500 Hz	30-2,500 Hz	30-1,200 Hz	30-2,500 Hz	30-3,000 Hz	20-2,500 Hz
Rated Power**	400 Watts	400 Watts	400 Watts	300 Watts	200 Watts	400 Watts	400 Watts
Flux Density in Gauss	12,000	12,000	12,000	12,000	13,500	12,000	12,000
dB Sensitivity: Metric/EIA	98/47	100/51	97/48	97/48	101/52	102/53	97/48
Displacement: Linear (Xmax)	±.090"	±.040"	±.250"	±.250"	±.065"	±.040"	±.250"
Maximum	±.215"	±.165"	±.375"	±.375"	±.200"	±.165"	±.375"
Free Air Resonance (Fs)	31 Hz	34 Hz	31 Hz	22 Hz	22 Hz	33 Hz	21 Hz
Highest Recommended X ₀	800 Hz	1,200 Hz	800 Hz	800 Hz	500 Hz	500 Hz	500 Hz
Thiele-Small Parameters:							
Qms	2.3	2.1	2.5	1.9	3.0	2.1	2.0
Qes	.26	.24	.33	.22	.23	.27	.32
Qts	.23	.21	.30	.20	.22	.24	.27
Vas	7.0	8.8	10.0	16.0	21.0	15.0	22.0
D.C. Resistance (Re)	6.8, 13.5 Ohms	6.7, 13.4 Ohms	5.2 Ohms	5.2 Ohms	3.5, 6.1 Ohms	6.7 Ohms	2.6, 5.2 Ohms
Baffle Opening: Front Load	14"	14"	14"	14"	16 5/8"	16 5/8"	16 5/8"
Rear Load	13 3/4"	13 3/4"	13 3/4"	13 3/4"	16 3/8"	16 3/8"	16 3/8"
Depth	7 1/2"	7 1/4"	7 1/4"	7 1/4"	7 3/4"	8 5/8"	8 5/8"
Net Weight	25 lbs.	25 lbs.	25 lbs.	25 lbs.	19 1/4 lbs.	25 1/2 lbs.	25 1/2 lbs.

HIGH FREQUENCY DRIVERS

	1502	2080	2081	4080/4060	4081/4061
Diam.: Voice Coil/Throat	1 1/2"	2"/1"	2"/1"	4 1/8"/1.9"	4 1/8"/1.9"
Diaphragm Material	Aluminum	Aluminum	Phenolic	Aluminum	Phenolic
Nominal Impedance	8 Ohms	8 Ohms	8 Ohms	8, 16 Ohms	8, 16 Ohms
D.C. Resistance (Re)	3.2 Ohms	4.7 Ohms	4.7 Ohms	5, 10 Ohms	5, 10 Ohms
Usable Frequency Resp.	2,500-20,000Hz	800-18,000Hz	500-15,000Hz	500-15,000Hz	300-12,000Hz
Rated Power:**	30 W				
@ 500 Hz X ₀ :				40 W	100 W
@ 800 Hz X ₀ :		25 W	40 W	60 W	
@ 1,200 Hz X ₀ :		40 W	60 W		
Flux Density in Gauss	20,000	19,000	19,000	19,000	19,000
dB Sensitivity:					
Metric*	111				
1MW on 1" Terminated Tube		119	119		118
Diameter	6"	6 7/8"	6 7/8"	9 3/4"	9 3/4"
Depth	5"	3 7/8"	3 7/8"	5 3/8"	5 3/8"
Net Weight	8 lbs.	15 1/2 lbs.	15 1/2 lbs.	34 lbs.	34 lbs.

* (TYP) Metric sensitivity: 1 W, 1 M averaged swept sine wave over usable bandwidth (subtract 49dB for EIA rating).

** All power ratings given: W = (Vrms)²/Z. For product comparison, program power may be considered as 2 to 4 times "RMS" rating.

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.

