

SOUNDSTREAM®

T E C H N O L O G I E S

THIELE/SMALL PARAMETERS

	SS-8	SS-10R	SS-12R
Freq. Response	40-500 Hz	32-500 Hz	33-500 Hz
Sens. 1w/1m	90 dB	90 dB	92 dB
Impedance (nom. z)	4 ohms	4 ohms	4 ohms
Rated Program Power	100 watts	200 watts	200 watts
Rated Peak Power	200 watts	300 watts	400 watts
Fs	40 Hz	35 Hz	35 Hz
Qts	.370	.376	.476
Qms	2.16	8.8	8.475
Qes	.450	.393	.504
Vas (ft ³)	1.06	1.80	4.00
Vas (liters)	30	51.0	113.3
Vas (m ³)	.030	.051	.113
Cms (um/N)	416	329.8	283
DCR (ohms)	4.4	3.36	3.74
Levc (mH) @ 1 kHz	.95	1.05	1.332
BL (Tesla m)	9.6	10.75	10.897
Sd (in ²)	34.8	54.3	86.7
Sd (m ²)	.0220	.0350	.0531
Sd (cm ²)	220	350	531
X max			
one way (linear mm)	7.00	6.6	7.5
X max			
one way (peak mm)	17	22	25
Vd (linear cm ³)	157	231	398
Vd (peak cm ³)	380	770	1325
Vd (linear m ³)	.000157	.000231	.000398
Vd (peak m ³)	.000380	.000770	.001325
Mms (grams)	37.6	60	68
Magnet Assembly (oz)	88	180	195
Magnet Weight (oz)	40	86	86
Vf (volume of frame)	50 in ³	180 in ³	200 in ³
Coil (mm)	17	22.7	22.0
TP (mm)	8	9.5	9.5
Mounting Dia. (in)	7 1/8	9 1/4	11 1/8

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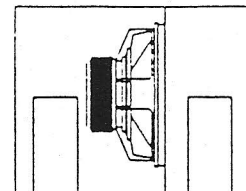
T E C H N O L O G I E S

Date: 12/03/93

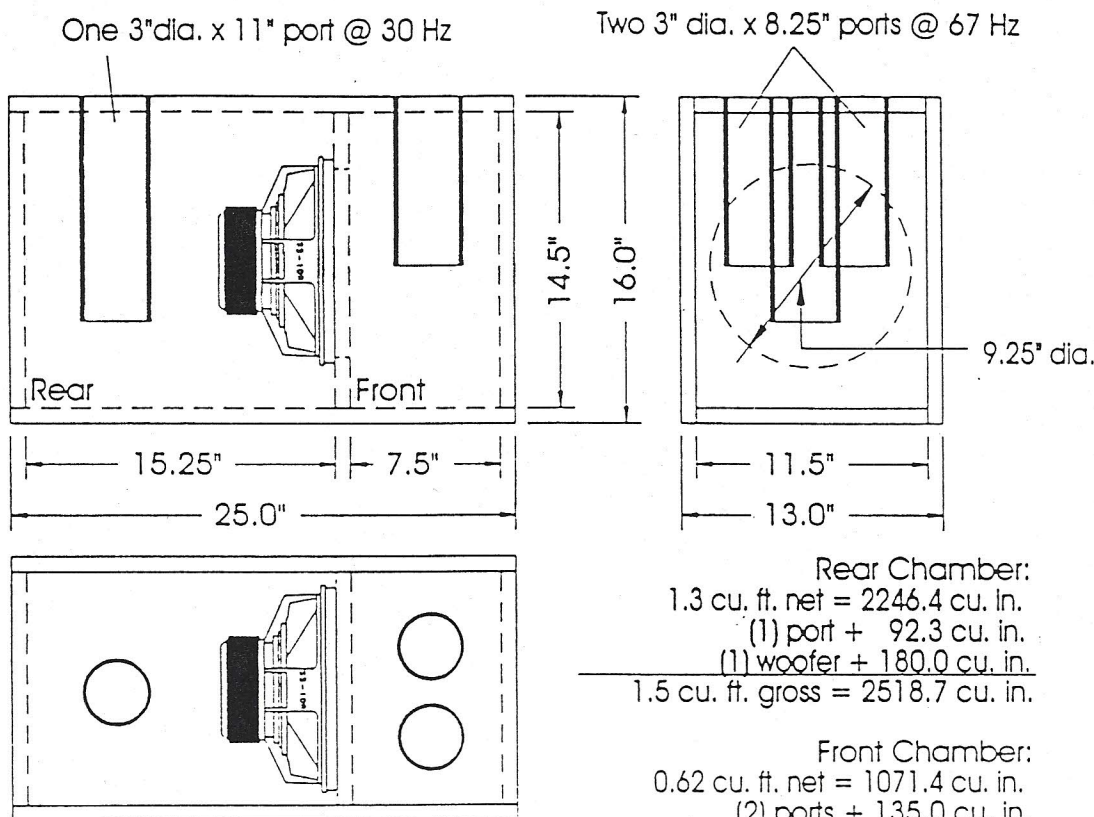
Woofer: SS-10R

Enclosure Type: Vented Bandpass #36

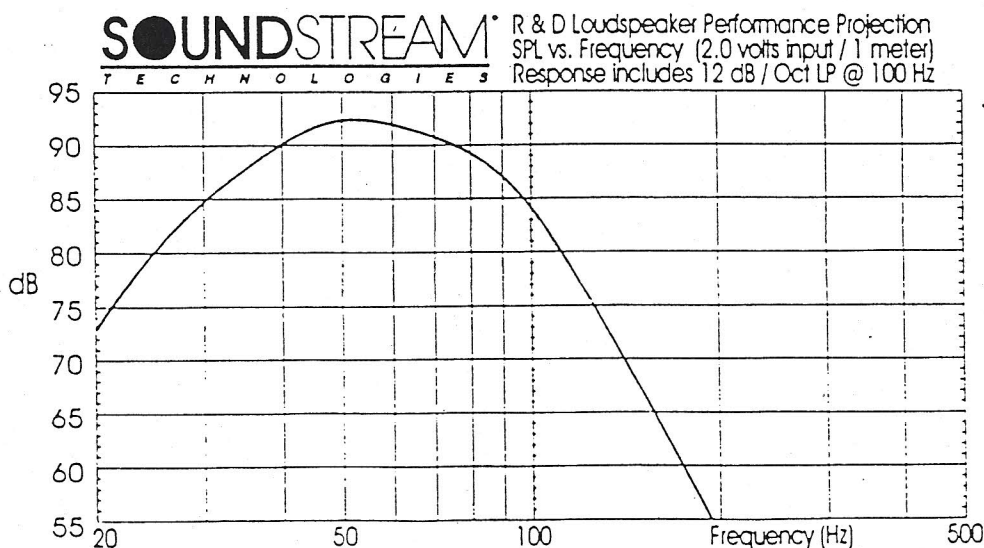
Music Type: Good all around enclosure



3.0 cu. ft. o.d.



NOTE: Line all walls with 1" fiberglass insulation or similar material



Application Notes:

CODE: S10REN5

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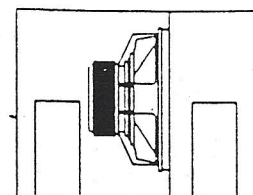
T E C H N O L O G I E S

Date: 12/02/93

Woofer: SS-10R

Enclosure Type: Vented Bandpass #34

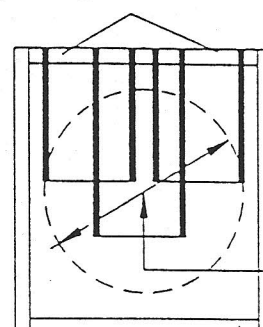
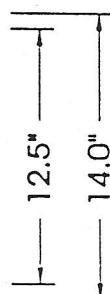
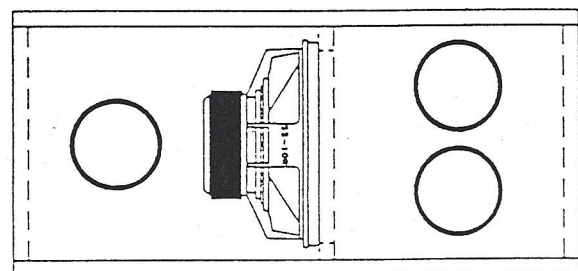
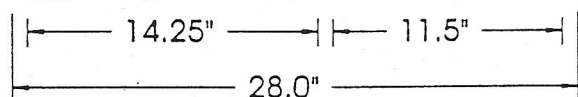
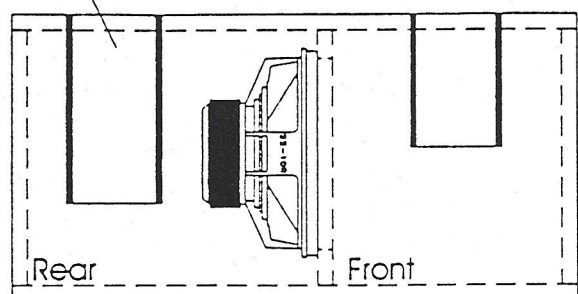
Music Type: High SPL; Rock or Rap



3.0 cu. ft. o.d.

One 4" dia. x 9.25" port @ 47 Hz

Two 4" dia. x 6.5" ports @ 80 Hz



9.25" dia.

Rear Chamber:

1.0 cu. ft. net = 1728.0 cu. in.

(1) port + 136.0 cu. in.

(1) woofer + 180.0 cu. in.

1.2 cu. ft. gross = 2044.0 cu. in.

Front Chamber:

0.85 cu. ft. net = 1468.8 cu. in.

(2) ports + 184.0 cu. in.

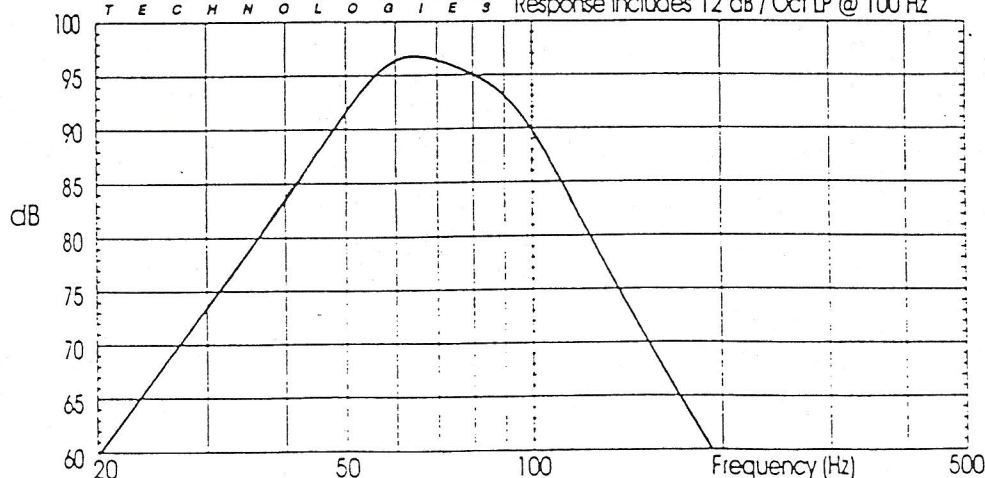
0.96 cu. ft. gross = 1652.8 cu. in.

NOTE: Line all walls with 1" fiberglass insulation or similar material

SOUNDSTREAM[®]

T E C H N O L O G I E S

R & D Loudspeaker Performance Projection
SPL vs. Frequency (2.0 volts input / 1 meter)
Response includes 12 dB / Oct LP @ 100 Hz



Application Notes:

CODE: S10REN3

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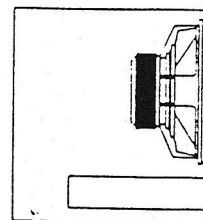
T E C H N O L O G I E S

Date: 11/24/93

Woofer: SS-10R

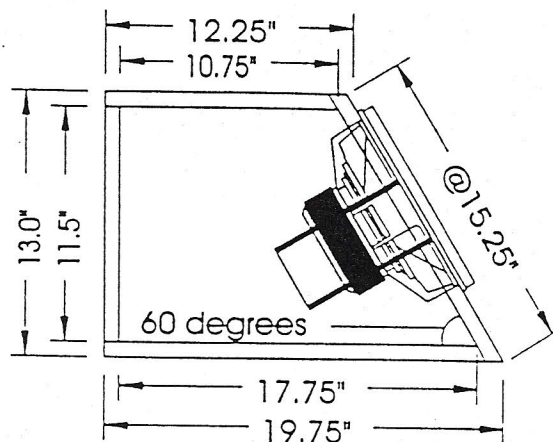
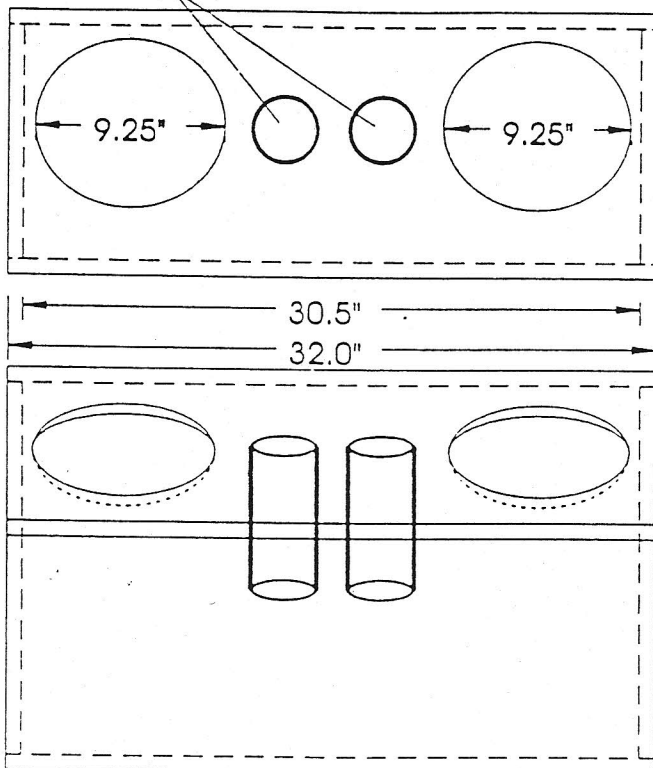
Enclosure Type: Vented (2 woofer version)

Music Type: Good all around enclosure



3.9 cu. ft. o.d.

Two 3" dia. x 7.0" ports @ 35 Hz



VOLUME:

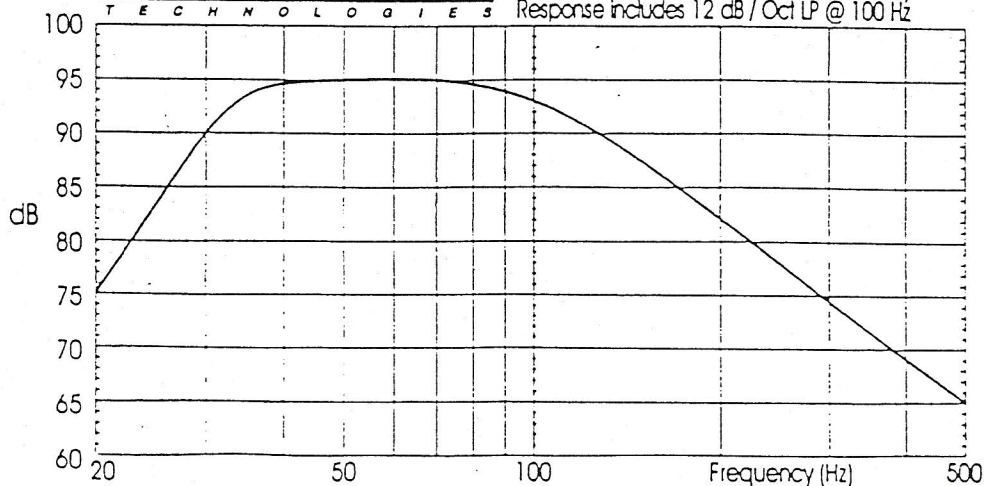
2.60 cu. ft. net = 4492.8 cu. in.
 (2 woofers) + 360 cu. in.
 (2 ports) + 125 cu. in.
 2.88 cu. ft. gross = 4977.8 cu. in.

NOTE: Line all walls with 1" fiberglass insulation or similar material.

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T E C H N O L O G I E S

R & D Loudspeaker Performance Projection
 SPL vs. Frequency (2.0 volts input / 1 meter)
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Application Notes:

CODE: S10REN1

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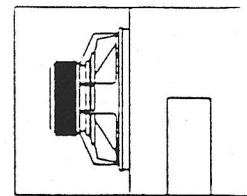
T E C H N O L O G I E S

Date: 12/03/93

Woofer: SS-10R

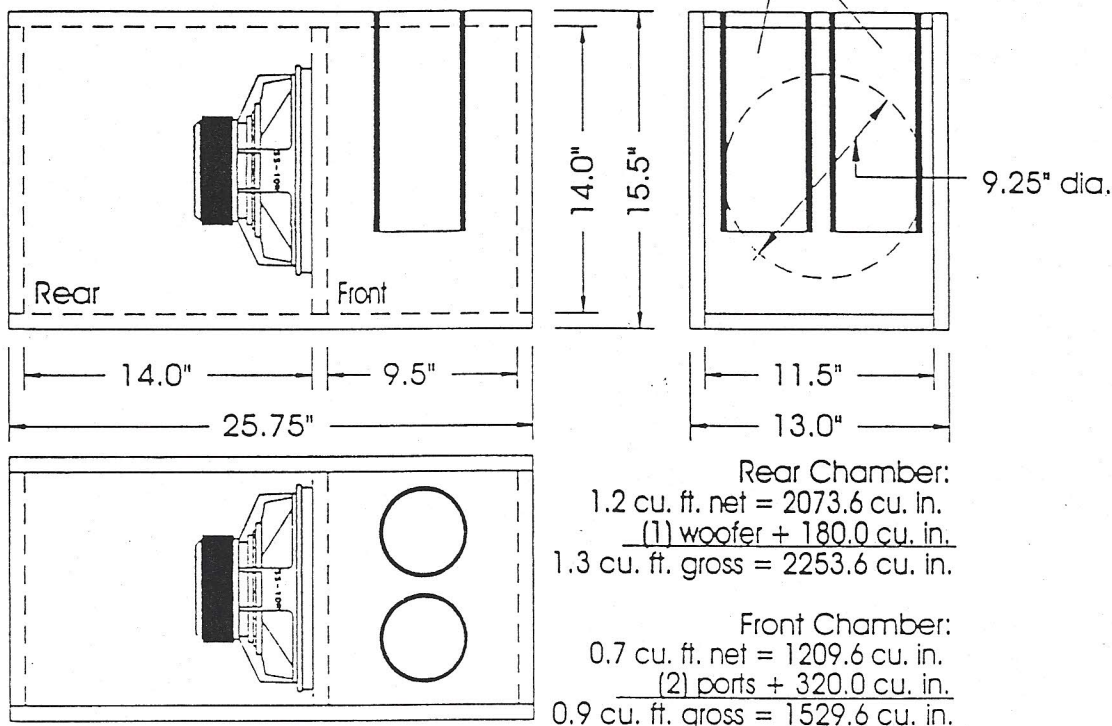
Enclosure Type: Sealed Bandpass #32

Music Type: High SPL; Rock or Rap



3.0 cu. ft. o.d.

Two 4" dia. x 10.75" ports @ 75 Hz

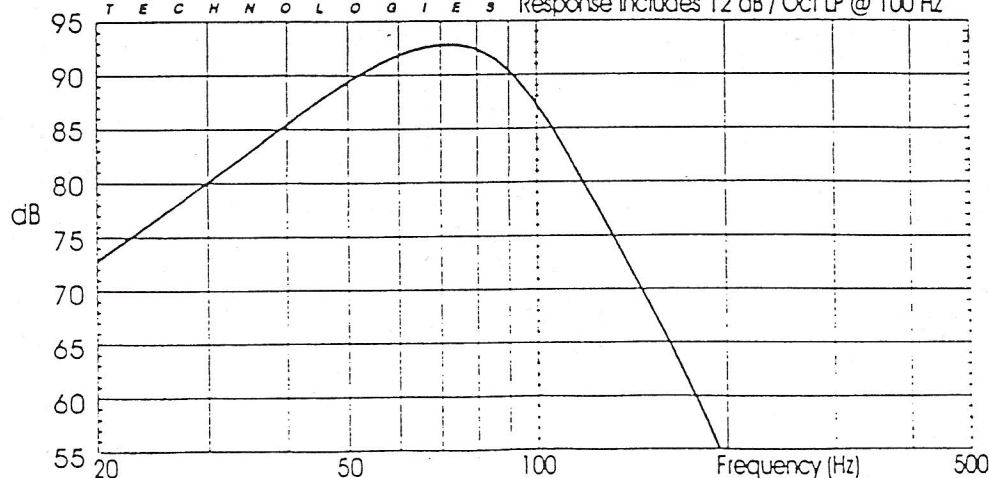


NOTE: Line all walls with 1" fiberglass insulation or similar material!

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T E C H N O L O G I E S

R & D Loudspeaker Performance Projection
SPL vs. Frequency (2.0 volts input / 1 meter)
Response includes 12 dB / Oct LP @ 100 Hz



Application Notes:

CODE: S10REN7

SOUNDSTREAM

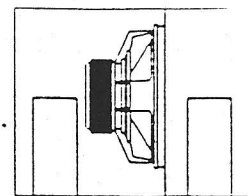
T E C H N O L O G I E S

Date: 12/02/93

Woofer: SS-10R

Enclosure Type: Vented Bandpass #35

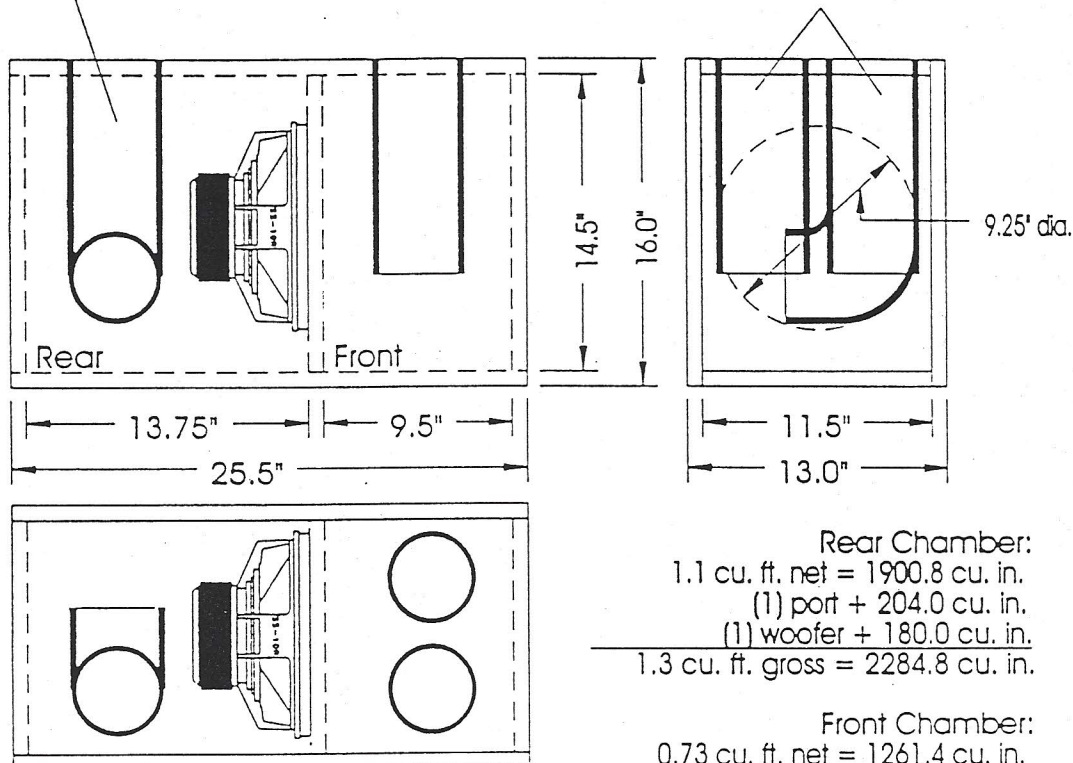
Music Type: High SPL; Rock or Rap



3.1 cu. ft. o.d.

One 4" dia. x 13.5" port (with bend) @ 39 Hz

Two 4" dia. x 10.5" ports @ 73 Hz



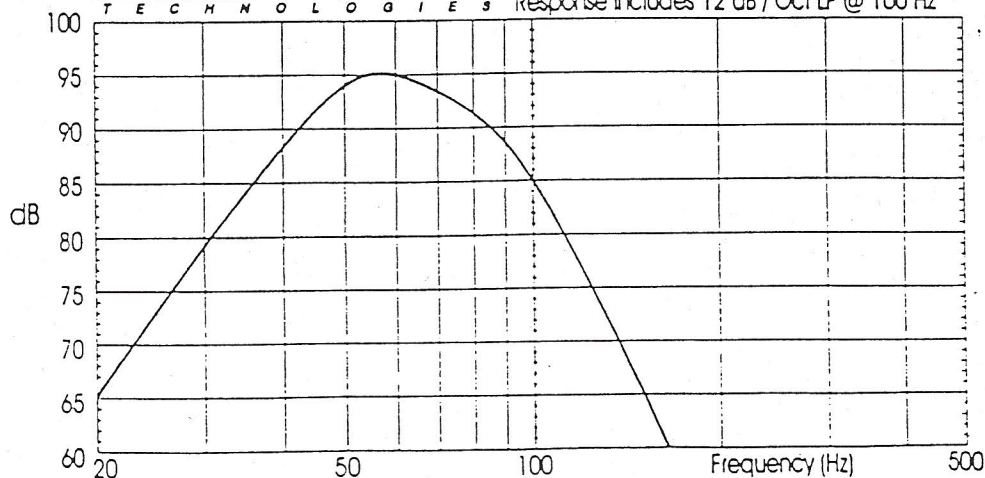
Rear Chamber:
 1.1 cu. ft. net = 1900.8 cu. in.
 (1) port + 204.0 cu. in.
 (1) woofer + 180.0 cu. in.
 1.3 cu. ft. gross = 2284.8 cu. in.

Front Chamber:
 0.73 cu. ft. net = 1261.4 cu. in.
 (2) ports + 312.0 cu. in.
 0.91 cu. ft. gross = 1573.4 cu. in.

NOTE: Line all walls with 1" fiberglass insulation or similar material

SOUNDSTREAM

R & D Loudspeaker Performance Projection
 SPL vs. Frequency (2.0 volts input / 1 meter)
 Response includes 12 dB / Oct LP @ 100 Hz



Application Notes:

CODE: S10REN4

SOUNDSTREAM

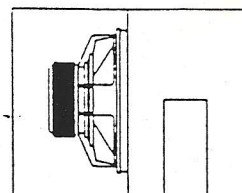
TECHNOLOGIES

Date: 11/30/93

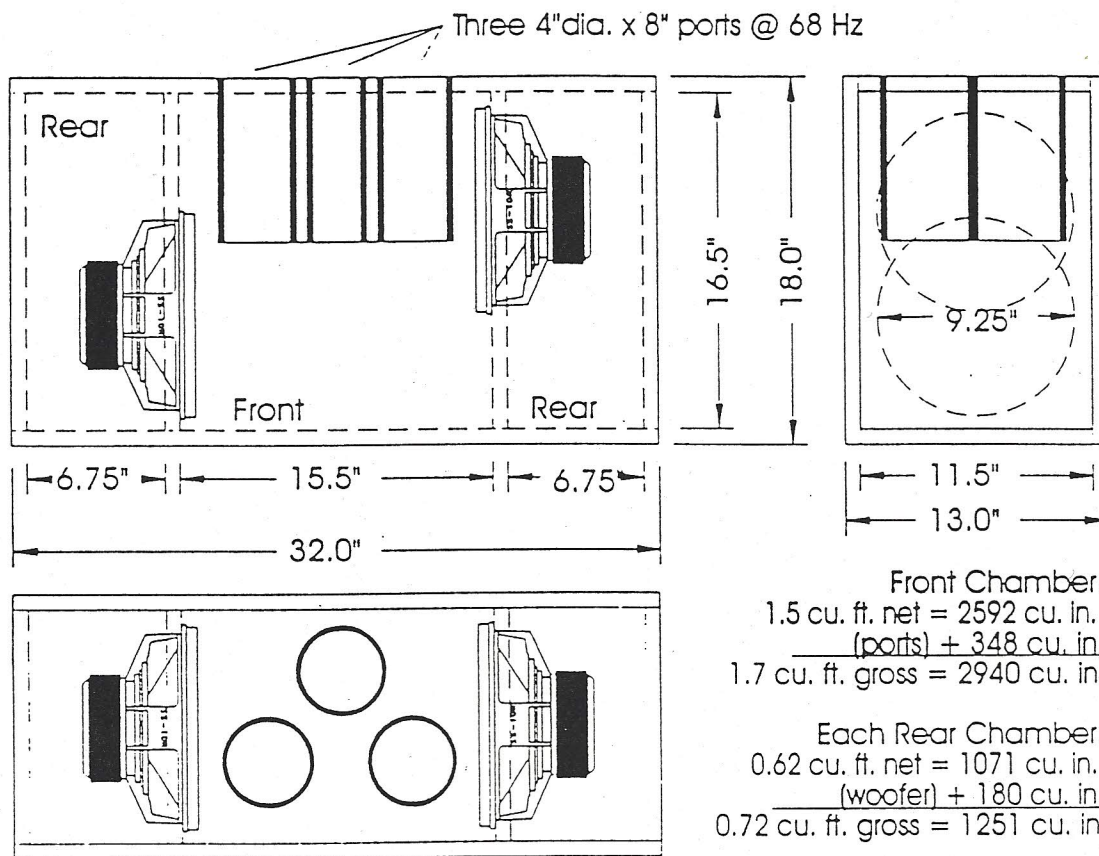
Woofer: SS-10R

Enclosure Type: Sealed Bandpass (2 woofer / 3 chamber version)

Music Type: High SPL; Rock or Rap



4.4 cu. ft. o.d.

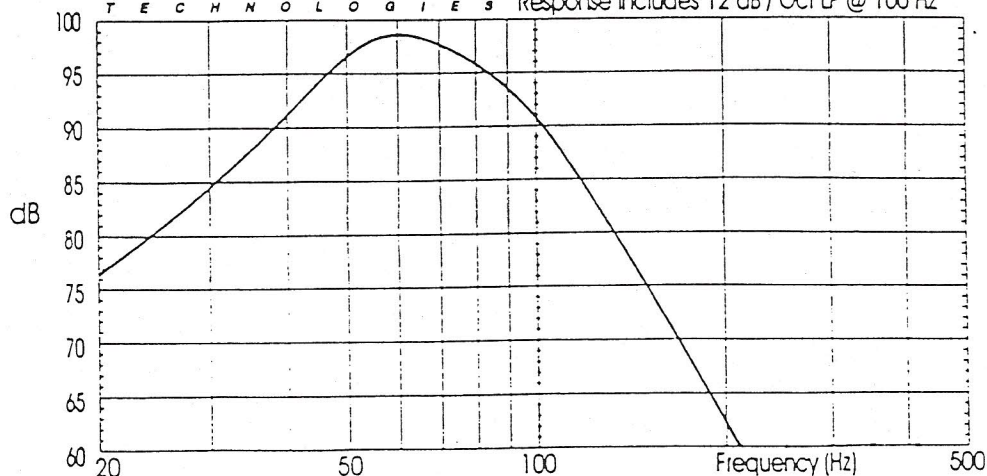


NOTE: Line all walls with 1" fiberglass insulation or similar material

SOUNDSTREAM

R & D Loudspeaker Performance Projection
 SPL vs. Frequency (2.0 volts input / 1 meter)
 Response includes 12 dB / Oct LP @ 100 Hz

Application Notes:



CODE: S10REN2