



LOW LEAKAGE FLUX TYPE FULL RANGE
SPEAKER UNIT

FE207E

Features

- 'ES cone' paper made of banana plant's fiber
- Ferrite magnet
- Repulsion type magnetically shielded circuit
- Newly designed center cap



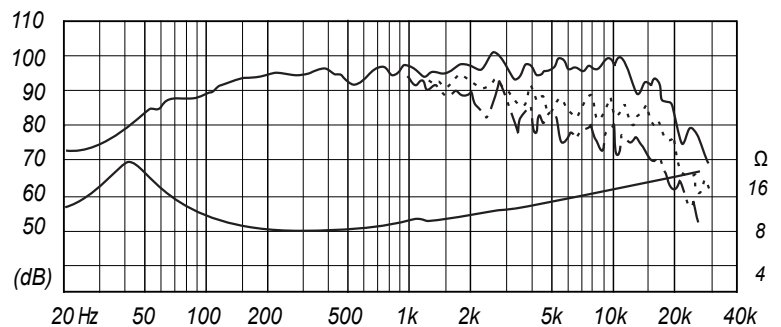
Specifications

&

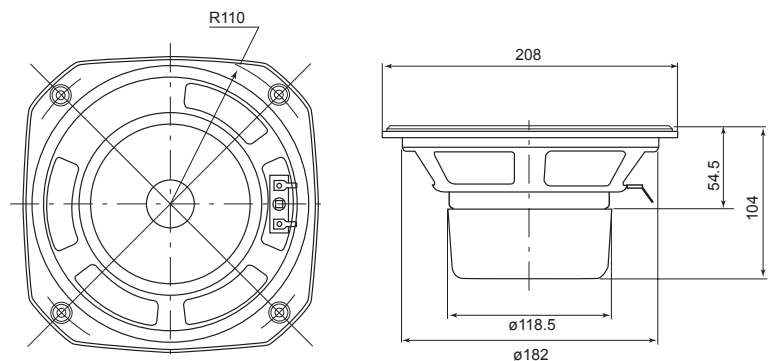
Thiele/Small Parameters

Size	:	200 mm / 8 in
Voice Coil Diameter	:	35 mm / 1.4 in
Cast / Stamped	:	Stamped
Impedance	:	8 Ω
Reproduction Frequency Response	:	f0 - 20 kHz
Sound Pressure Level	:	95 dB/W(m)
Rated Input	:	30 W
Music Power	:	90 W
Magnet Material	:	Ferrite
Magnet Weight	:	
(main)	:	337.0 g / 0.743 lb
(cancel)	:	329.9 g / 0.727 lb
Net Weight	:	2,650 g / 5.842 lb

Frequency Response / Impedance



Dimensions & Mounting Information

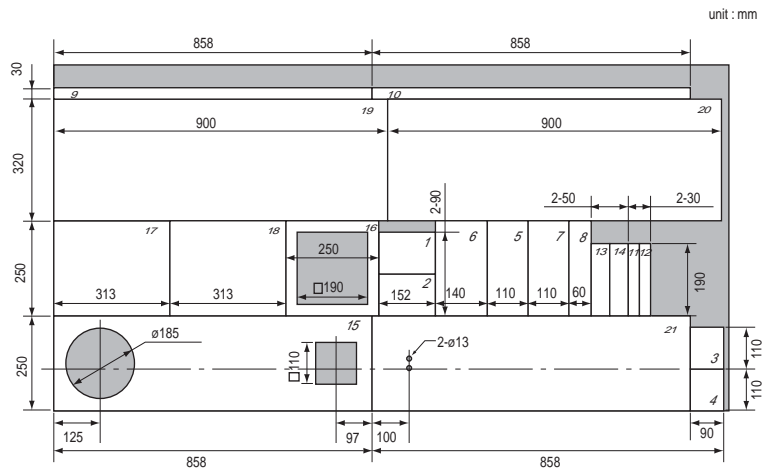
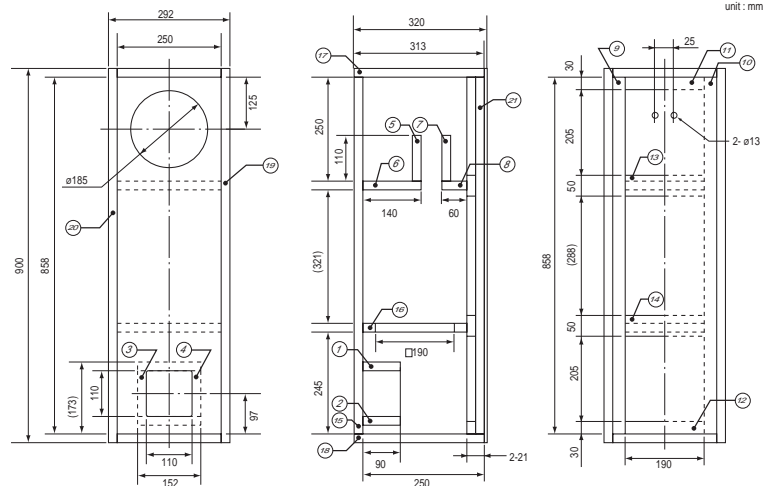


a	:	81 mm
D	:	162 mm
Sd	:	0.02061 m ²
Zn	:	8 Ω
Fs	:	39 Hz
Re	:	6.73 Ω
Le	:	n/amH
Qms	:	3.86
Qes	:	0.28
Qts	:	0.26
Mms	:	15.02 g
BL	:	9.41 Telsa/m
Vas	:	56.25 L
Xmax	:	1.5 mm
Eff/η0	:	1.17 %
Cms	:	0.00094 mm/N
EBP	:	139

Overall Diameter	:	208 mm / 8 in
Baffle Hole Diameter	:	182 mm / 7 in
Depth	:	104 mm / 4 in

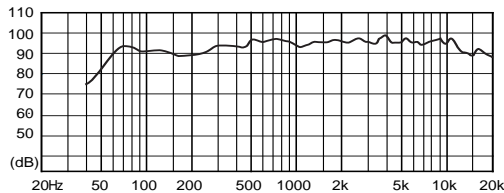
FE207E

Recommended Double Bass Reflex Type Enclosure

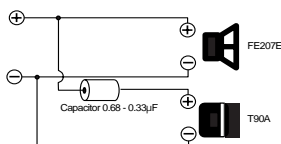


- This is an example of a FE207E double bass reflex type enclosure.
- The multi bass reflex ducts (ports) reproduce lower frequency.
- Balanced low frequency tuning for high power handling.

Frequency Response

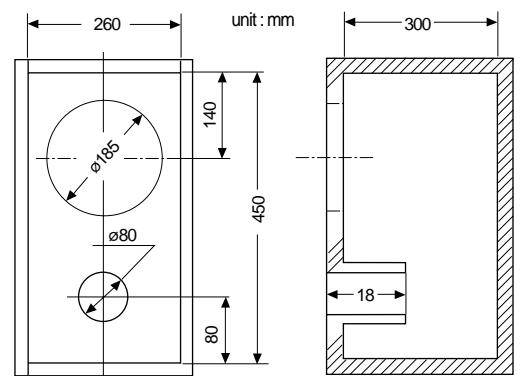


- Substantial low frequency response in the 60 to 80Hz region.
- Two way system using super tweeter is also recommended.
- 21mm thick plywood was used for the tested enclosure.



Recommended Standard Bass Reflex Type Enclosure

Example of FE207E standard bass reflex type enclosure. This enclosure is 35 liters volume. Various dimensions can be tried as long as internal volume remains the same.



FE83E

Features

- 'ES cone' paper made of banana plant's fiber
- Newly designed center cap
- Ferrite magnet

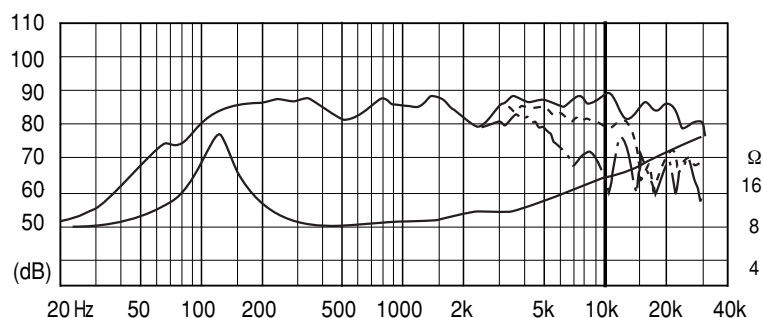


Specifications & Thiele/Small Parameters

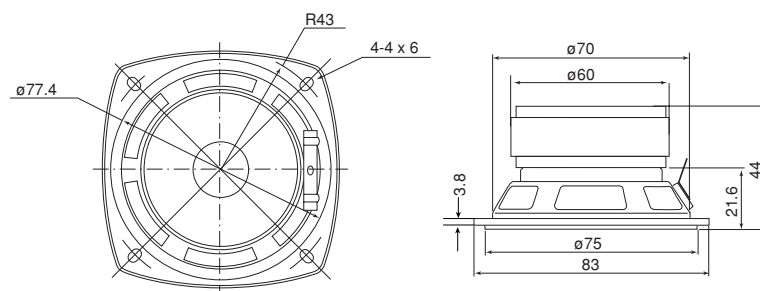
Size	:	80 mm / 3 in
Voice Coil Diameter	:	16 mm / 0.6 in
Cast / Stamped	:	Cast
Impedance	:	8 Ω
Reproduction Frequency Response	:	fs - 30 kHz
Sound Pressure Level	:	88 dB/W(m)
Rated Input	:	5 W
Music Power	:	10 W
Magnet Material	:	Ferrite
Magnet Weight	:	
(main)	:	140 g / 0.309 lb
(cancel)	:	g / lb
Net Weight	:	360 g / 0.794 lb

a	:	30 mm
D	:	60 mm
Sd	:	0.00283 m ²
Zn	:	8 Ω
Fs	:	127 Hz
Re	:	7.87 Ω
Le	:	n/a mH
Qms	:	4.00
Qes	:	0.98
Qts	:	0.79
Mms	:	1.39 g
BL	:	2.98 Telsa/m
Vas	:	1.29 L
Xmax	:	0.40 mm
Eff/η0	:	0.26 %
Cms	:	0.00115 mm/N
EBP	:	130

Frequency Response / Impedance



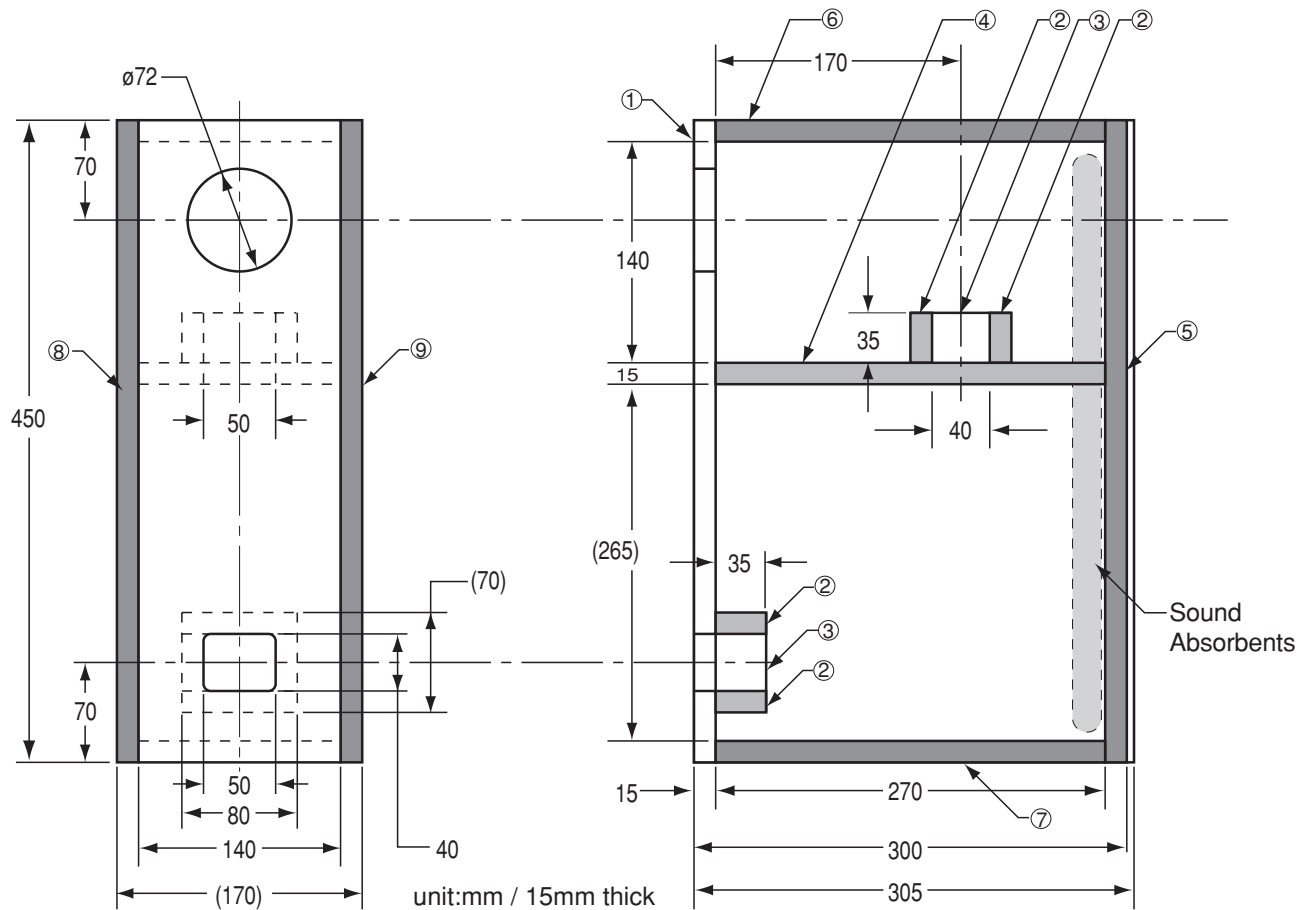
Dimensions & Mounting Information



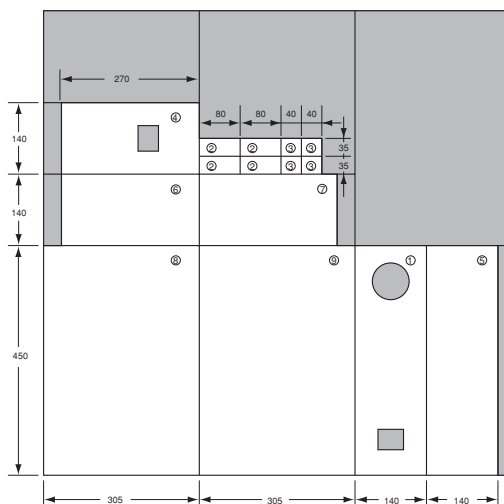
Overall Diameter	:	83 mm / 3.3 in
Baffle Hole Diameter	:	60 mm / 2.4 in
Depth	:	44 mm / 1.7 in

FE83E

Recommended Double Bass Reflex Type Enclosure

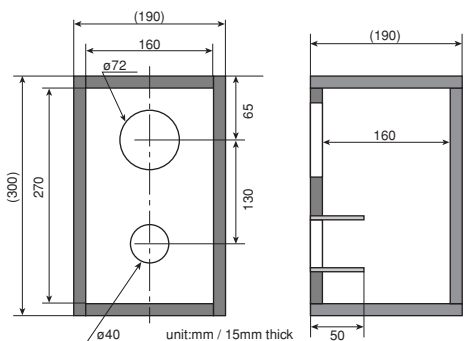


- This example shows a double bass reflex type enclosure for FE83E.
- The multiple bass reflex ports reproduce lower frequency.
- The first port is tuned 'Fb' to 127Hz and second port to 60Hz.
- Balanced low frequency tuning for high power handling.



Recommended Standard Bass Reflex Type Enclosure

Example of FE83E standard bass reflex type enclosure. Internal volume is 6 liters tuned to approximately 90Hz (Fb).



Fostex®

LOW LEAKAGE FLUX TYPE FULL RANGE
SPEAKER UNIT

FE87E

Features

- 'ES cone' paper made of banana plant's fiber
- Newly designed center cap
- Repulsion type magnetically shielded circuit
- Ferrite magnet

Specifications

&

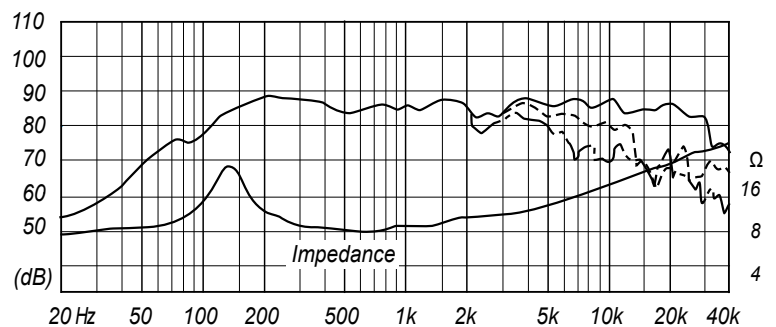
Thiele/Small Parameters

Size	:	80 mm / 3 in
Voice Coil Diameter	:	16 mm / 0.6 in
Cast / Stamped	:	Stamped
Impedance	:	8 Ω
Reproduction Frequency Response	:	:fs - 30 kHz
Sound Pressure Level	:	89 dB/W(m)
Rated Input	:	5 W
Music Power	:	10 W
Magnet Material	:	Ferrite
Magnet Weight	:	
(main)	:	48.4 g / 0.107 lb
(cancel)	:	27.9 g / 0.062 lb
Net Weight	:	288 g / 0.635 lb

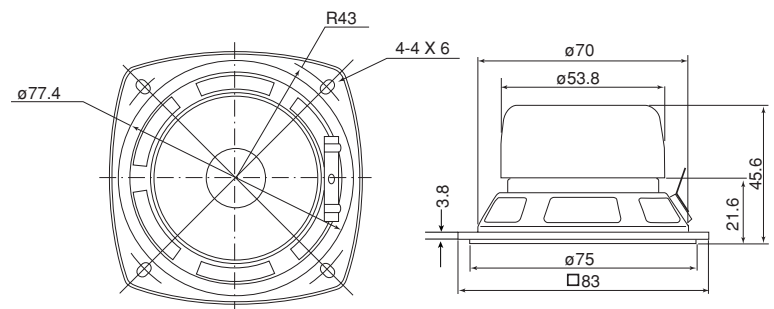
a	:	30 mm
D	:	60 mm
Sd	:	0.00283 m ²
Zn	:	8 Ω
Fs	:	140 Hz
Re	:	7.7 Ω
Le	:	n/a mH
Qms	:	3.77
Qes	:	1.20
Qts	:	0.92
Mms	:	1.4 g
BL	:	2.81 Telsa/m
Vas	:	1.03 L
Xmax	:	0.40 mm
Eff/η0	:	0.22 %
Cms	:	0.00092 mm/N
EBP	:	117



Frequency Response / Impedance



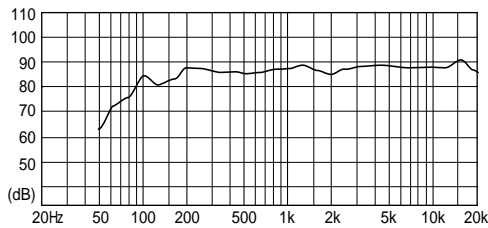
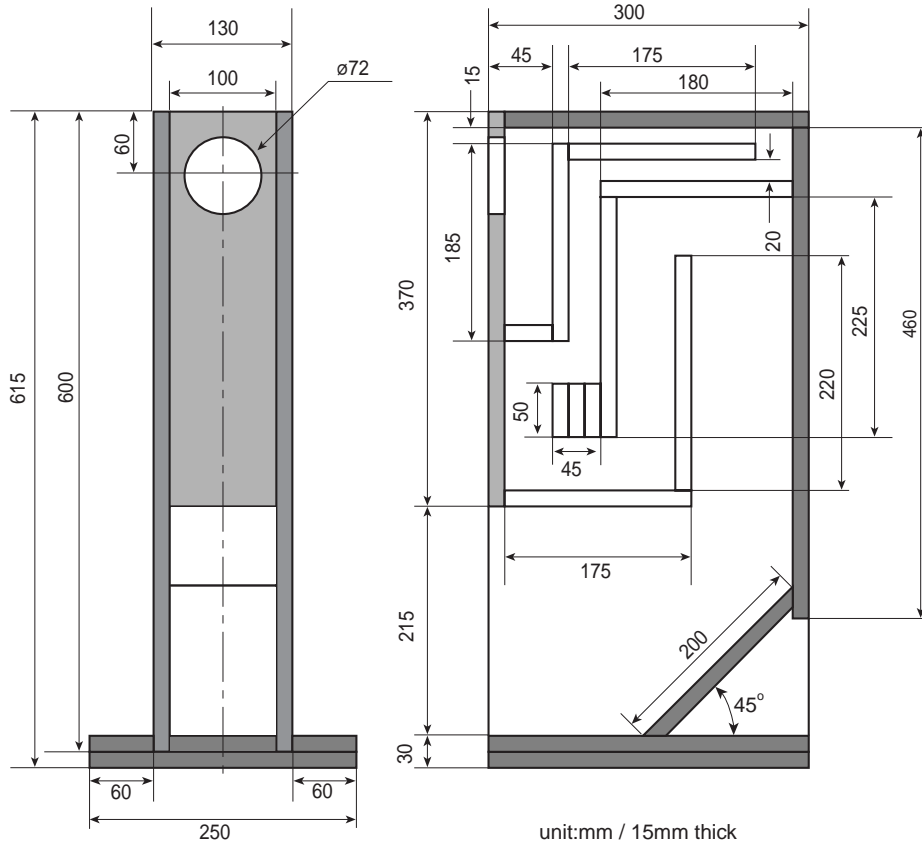
Dimensions & Mounting Information



Overall Diameter	:	83 mm / 3.3 in
Baffle Hole Diameter	:	75 mm / 2.9 in
Depth	:	45.6 mm / 1.8 in

FE87E

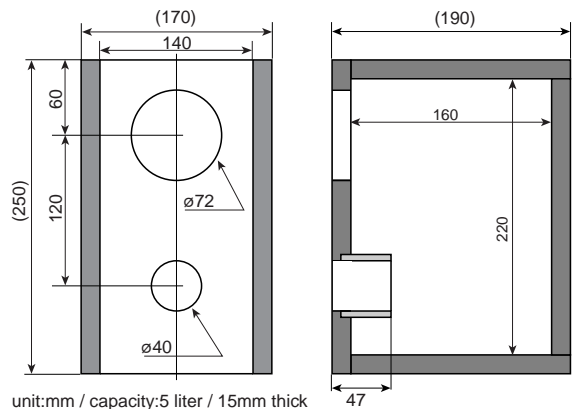
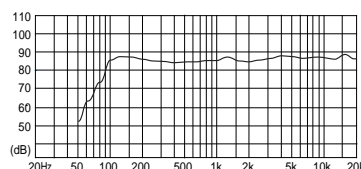
Recommended Back Loaded Horn Type Enclosure



- This example shows a back loaded horn type enclosure for FE87E.
- Simple design constructed with flat panels.
- This enclosure provides rich low frequency through the horn and mixes high/mid frequency radiated directly from the FE87E for clarity of total sound image.

Recommended Standard Bass Reflex Type Enclosure

Example of FE87E standard bass reflex type enclosure. Internal volume is 5 liters tuned to approximately 99Hz (Fb).



FE103En

Features

- ES cone and center cap are adapted. This new diaphragm material has the fine, supple and high density fiber, and its characteristics successfully improve the mid-high frequency reproduction.
- \varnothing 80mm strong ferrite magnet is employed.
- Well tuned Qts / Mms values for ease of use in small bass reflex type enclosures to folded horn enclosures.

Specifications

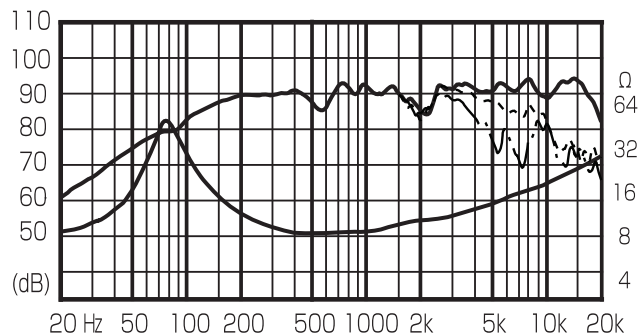
& Thiele/Small Parameters

Size	:	100 mm / 3.9 in
Voice Coil Diameter	:	20 mm / 0.8 in
Cast / Stamped	:	Stamped
Impedance	:	8 Ω
Reproduction Frequency Response	:	fs - 22 kHz
Sound Pressure Level	:	89 dB/W(m)
Rated Input	:	5 W
Music Power	:	15 W
Magnet Material	:	Ferrite
Magnet Weight	:	
(main)	:	193 g / 0.425 lb
(cancel)	:	g / lb
Net Weight	:	580 g / 1.279 lb

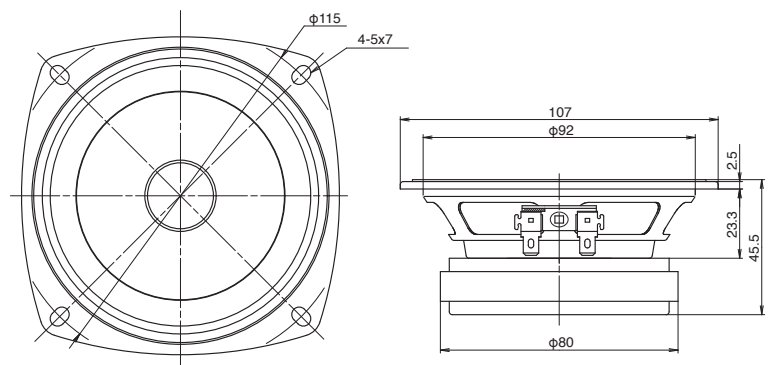
a	:	40 mm
D	:	80 mm
Sd	:	0.005 m ²
Zn	:	8 Ω
Fs	:	83 Hz
Re	:	7.5 Ω
Le	:	0.0398 mH
Qms	:	2.747
Qes	:	0.377
Qts	:	0.33
Mms	:	2.55 g
BL	:	4.99 Telsa/m
Vas	:	5.95 L
Xmax	:	0.6 mm
Eff/ η 0	:	0.72 %
Cms	:	1.65 m/N
EBP	:	220.16



Frequency Response / Impedance

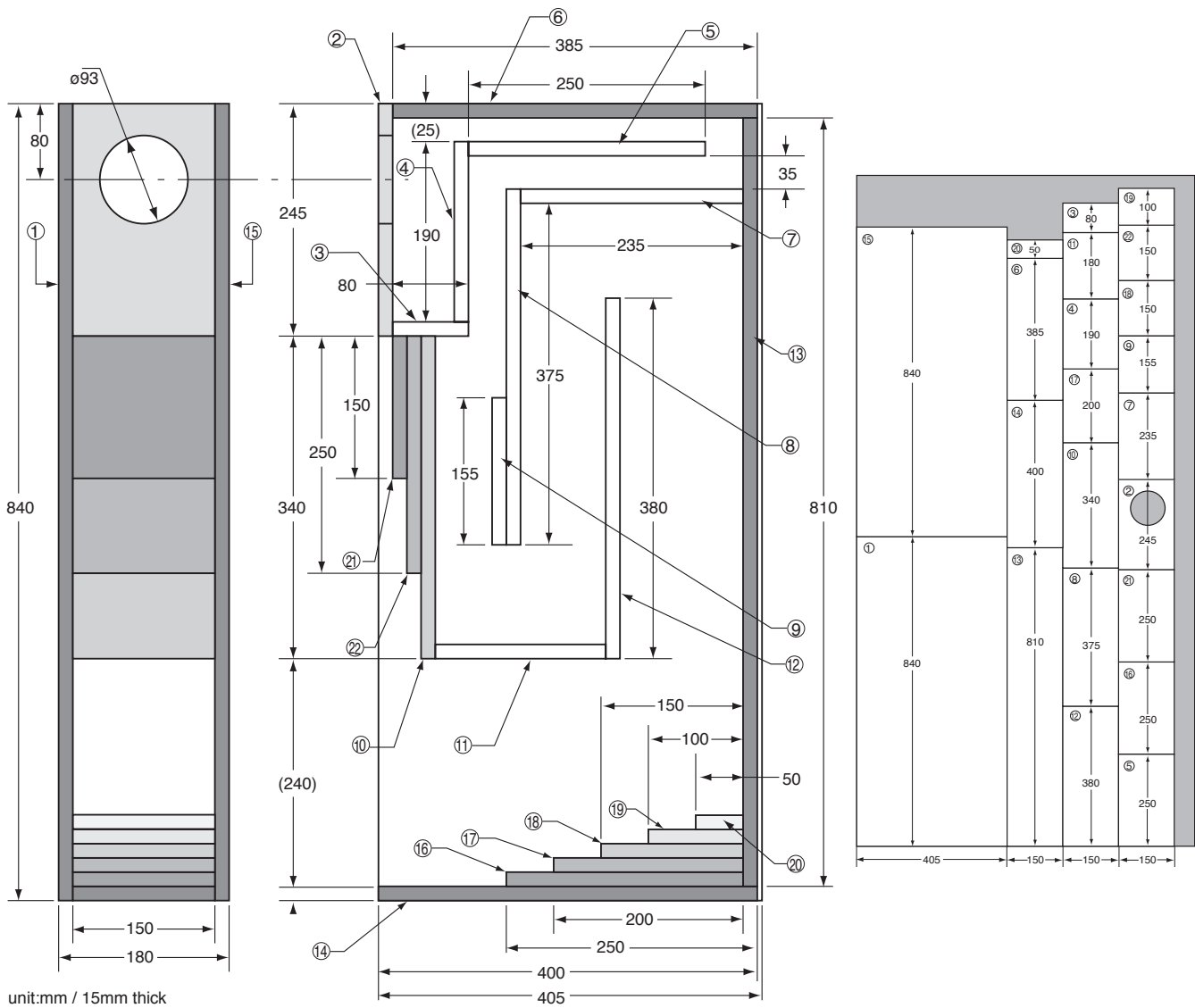


Dimensions & Mounting Information



Overall Diameter	:	107 mm / 4.2 in
Baffle Hole Diameter	:	92 mm / 3.6 in
Depth	:	45.5 mm / 1.8 in

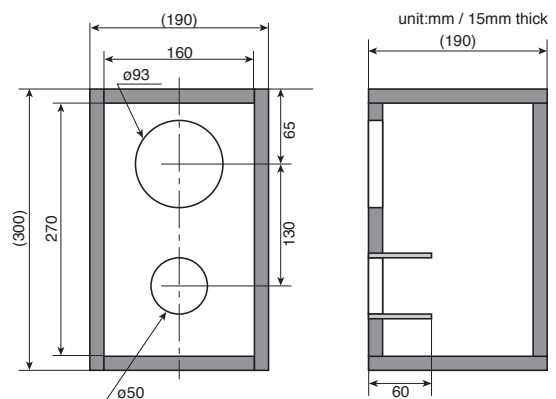
Recommended Back Loaded Horn Type Enclosure



- Shown is an example of a FE103En back loaded horn type enclosure.
- The horn length is designed a little longer to 2m, and cutoff frequency is set at 50Hz for extended low frequency reproduction.

Recommended Standard Bass Reflex Type Enclosure

Example of FE 103 E n standard bass reflex type enclosure. Internal volume is 6 liters tuned to 95Hz (Fb).



Fostex

Distributor / Authorised Dealer

www.fostex.jp

Fostex Co., 3-2-35 Musashino, Akishima, Tokyo, Japan 196-0021
Tel:+81(0)42-546-4974 Fax:+81(0)42-546-9222

Fostex®

FULL RANGE SPEAKER UNIT

FE108EΣ

Features

- HP (Hyperbolic Paraboloid) shell diaphragm
- 'ES cone' paper made of banana plant's fiber
- UDR tangential edge / damper
- ø 90mm large ferrite magnet

Specifications

&

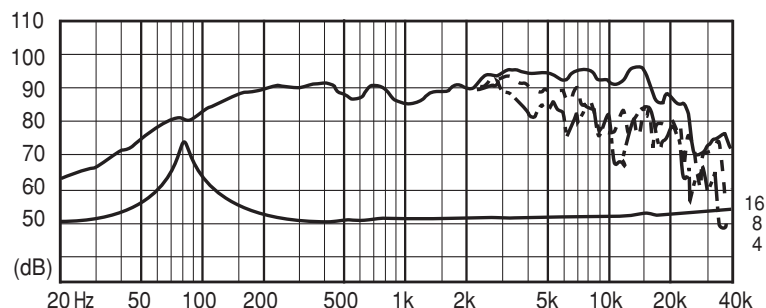
Thiele/Small Parameters

Size	:	100 mm / 4 in
Voice Coil Diameter	:	20 mm / 0.8 in
Cast / Stamped	:	Cast
Impedance	:	8 Ω
Reproduction Frequency Response	:	fs - 23 kHz
Sound Pressure Level	:	90 dB/W(m)
Rated Input	:	8 W
Music Power	:	24 W
Magnet Material	:	Ferrite
Magnet Weight	:	
(main)	:	400 g / 0.882 lb
(cancel)	:	g / lb
Net Weight	:	1,200 g / 2.646 lb

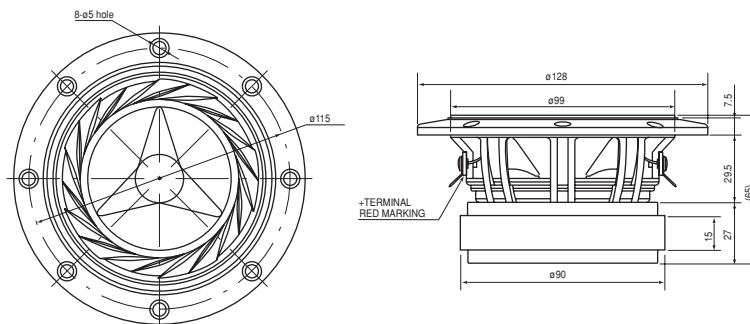
a	:	40 mm
D	:	69.2 mm
Sd	:	0.005 m ²
Zn	:	8 Ω
Fs	:	77 Hz
Re	:	6.8 Ω
Le	:	0.038 mH
Qms	:	7.79
Qes	:	0.32
Qts	:	0.3
Mms	:	2.7 g
BL	:	5.2 Telsa/m
Vas	:	5.7 L
Xmax	:	0.28 mm
Eff/η0	:	0.78 %
Cms	:	1.59 mm/N
EBP	:	240.63



Frequency Response / Impedance



Dimensions & Mounting Information



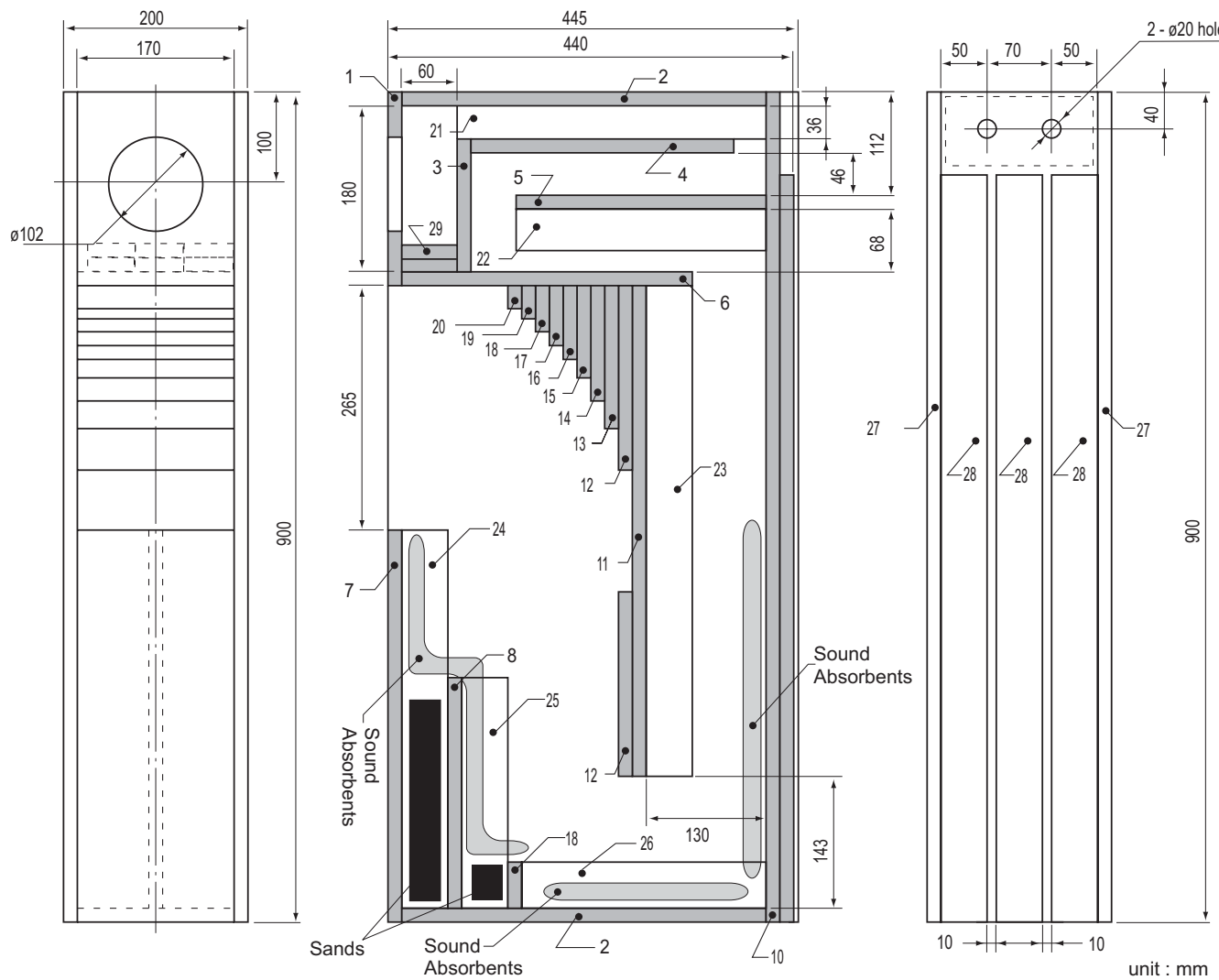
Overall Diameter	:	128 mm / 5.1 in
Baffle Hole Diameter	:	99 mm / 3.9 in
Depth	:	102 mm / 4.1 in
	:	65 mm / 2.6 in



RECOMMENDED ENCLOSURE

FE108EΣ

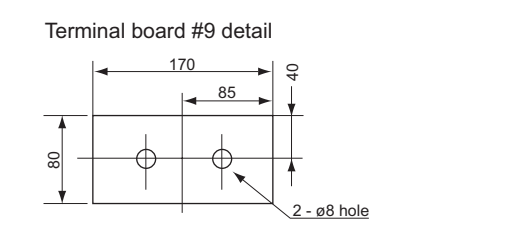
Recommended Back Loaded Horn Type Enclosure



27	27
27	27

	29	29	29	29	29	29								
1	11	13	13	16	16	20	20							
1	11	12	12	12	12	3	3							
						7	4		5					
						7	4		5					

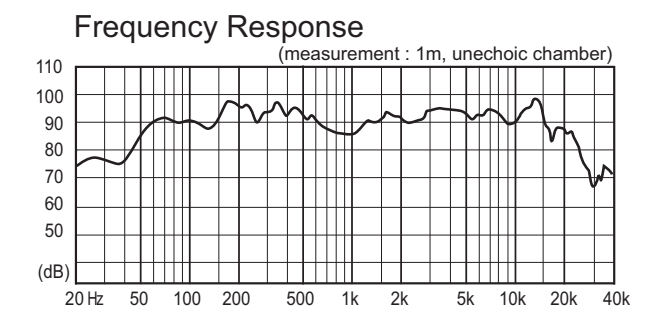
6	6	17			
		14	14	17	
		22	22		
		21		19	
		21		19	
		26		25	
		26		25	
		24			
		24			
8	8	23			
28				29	
28				29	
28				29	
28				29	
28				29	



- This tall case clock style box plan is the full-fledged back loaded horn enclosure for FE108Esigma.
- Well turned low frequency realizes tight and massive sound with perceptible fast response.
- Effectively downscaled baffle size realizes prior sound field and image localization, and ensures FE108Esigma's dynamic sound with a abundance of energy.

Cutting Size Chart (1set, unit:mm)

No.	Size (W x H)	Qty	No.	Size (W x H)	Qty
1	170 x 210	1	16	170 x 80	1
2	170 x 395	2	17	170 x 65	1
3	170 x 144	1	18	170 x 50	2
4	170 x 285	1	19	170 x 36	1
5	170 x 271	1	20	170 x 25	1
6	170 x 315	1	21	335 x 36	1
7	170 x 425	1	22	271 x 45	1
8	170 x 250	1	23	532 x 50	1
9	170 x 80	1	24	410 x 50	1
10	170 x 900	1	25	250 x 50	1
11	170 x 532	1	26	265 x 50	1
12	170 x 200	2	27	900 x 445	2
13	170 x 155	1	28	810 x 50	3
14	170 x 125	1	29	60 x 50	6
15	170 x 100	1			



FE126En

Features

- ES cone and center cap are adapted. This new diaphragm material has the fine, supple and high density fiber, and its characteristics successfully improve the mid-high frequency reproduction.
- $\phi 100\text{mm}$ strong ferrite magnet is employed.
- Well tuned Qts / Mms values for ease of use in the back loaded horn enclosure.

Specifications

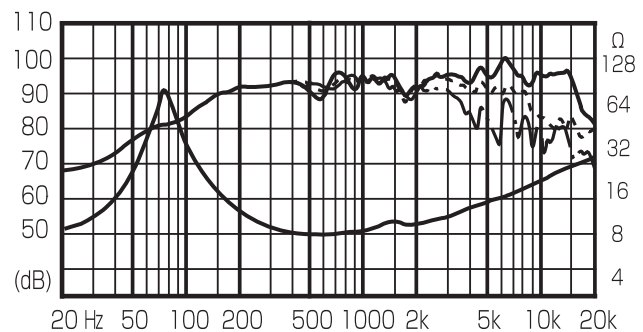
& Thiele/Small Parameters

Size	:	120 mm / 4.7 in
Voice Coil Diameter	:	20 mm / 0.8 in
Cast / Stamped	:	Stamped
Impedance	:	8 Ω
Reproduction Frequency Response	:	fs - 25 kHz
Sound Pressure Level	:	93 dB/W(m)
Rated Input	:	15
Music Power	:	45 W
Magnet Material	:	Ferrite
Magnet Weight	:	
(main)	:	440 g / 0.970 lb
(cancel)	:	n/a g / n/a lb
Net Weight	:	990 g / 2.183 lb

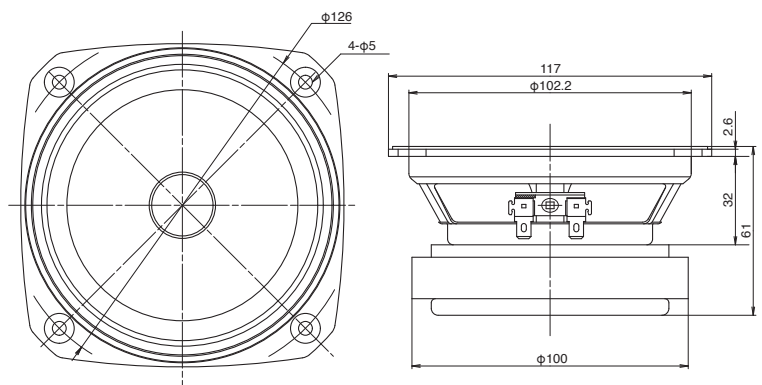
a	:	46 mm
D	:	92 mm
Sd	:	0.0065 m ²
Zn	:	8 Ω
Fs	:	83 Hz
Re	:	7.2 Ω
Le	:	0.035 mH
Qms	:	4.8
Qes	:	0.33
Qts	:	0.3
Mms	:	2.8 g
BL	:	5.63 Telsa/m
Vas	:	8.5 L
Xmax	:	0.35 mm
Eff/ $\eta 0$:	1.36 %
Cms	:	1.35 m/N
EBP	:	251.52



Frequency Response / Impedance

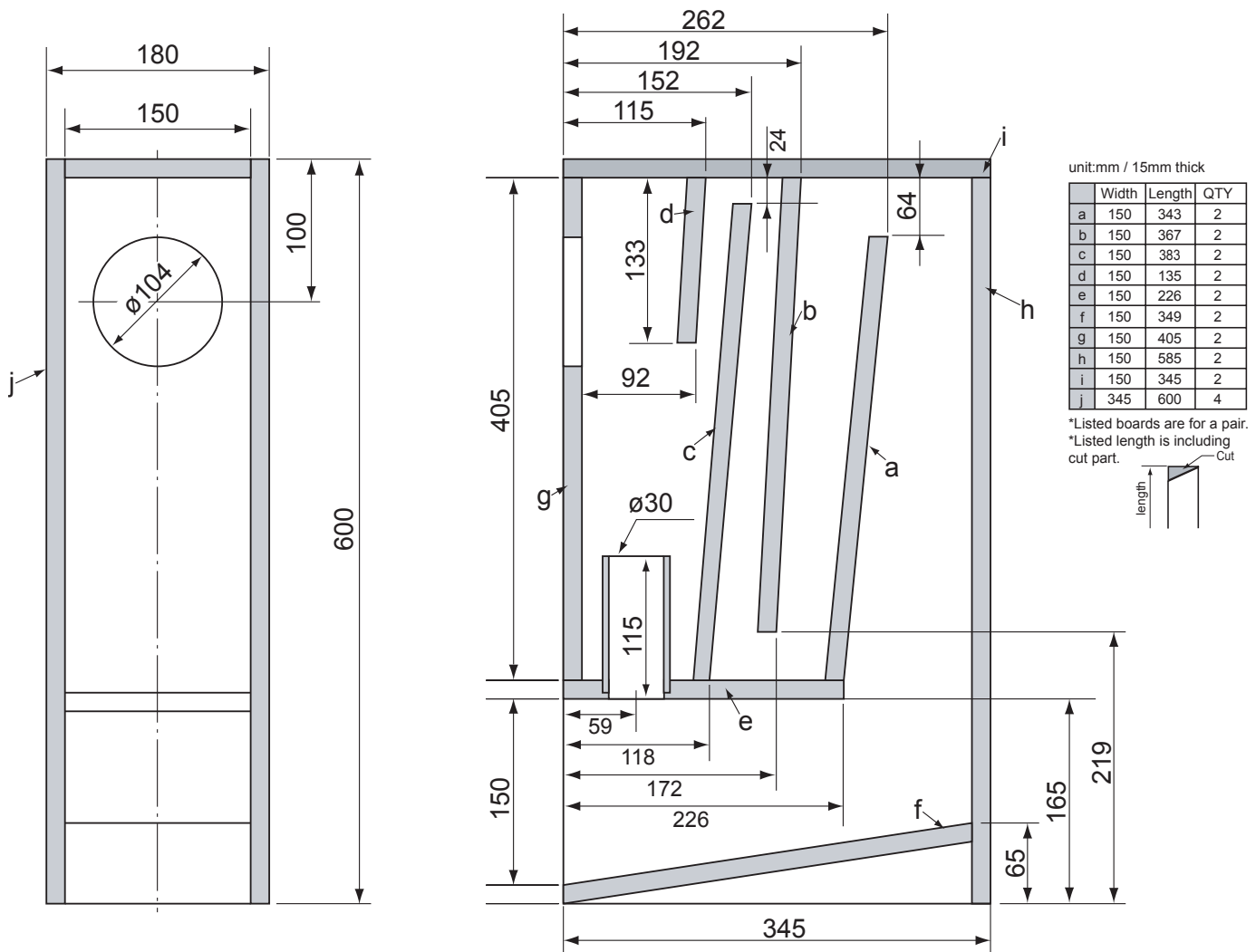


Dimensions & Mounting Information



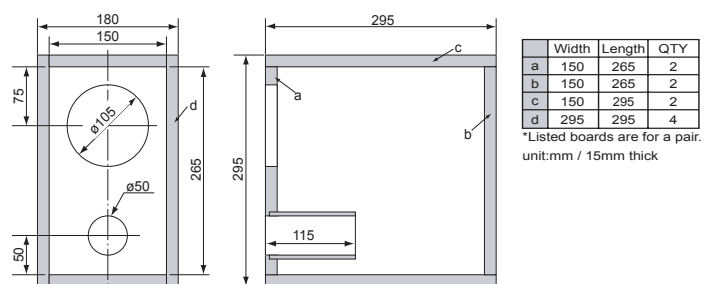
Overall Diameter	:	117 mm / 4.6 in
Baffle Hole Diameter	:	104 mm / 4.1 in
Depth	:	61 mm / 2.4 in

Unique Back Loaded Horn + Bass Reflex Hybrid Enclosure



- Shown is an example of a FE126En back loaded horn + bass reflex hybrid enclosure.
- Horn frequency is tuned at 100Hz and bass reflex 'Fb' at 55Hz.
- Employing the bass reflex port in the back cavity, this setting realizes the extended low frequency while the dip with the characteristic of back loaded horn is reduced.

Recommended Standard Bass Reflex Type Enclosure



Example of FE126En standard bass reflex type enclosure.
Internal volume is 10.5 liters tuned to approximately 61Hz (Fb).

Fostex

Distributor / Authorised Dealer

www.fostex.jp

Fostex Co., 3-2-35 Musashino, Akishima, Tokyo, Japan 196-0021
Tel: +81(0)42-546-4974 Fax: +81(0)42-546-9222

In accordance with our policy of continuous development, we reserve the right to change specifications without notice.

Printed in China 499986

Fostex®

FULL RANGE SPEAKER UNIT

FE166E

Features

- 'ES cone' paper made of banana plant's fiber
- \varnothing 110mm large ferrite magnet
- Newly designed center cap



Specifications

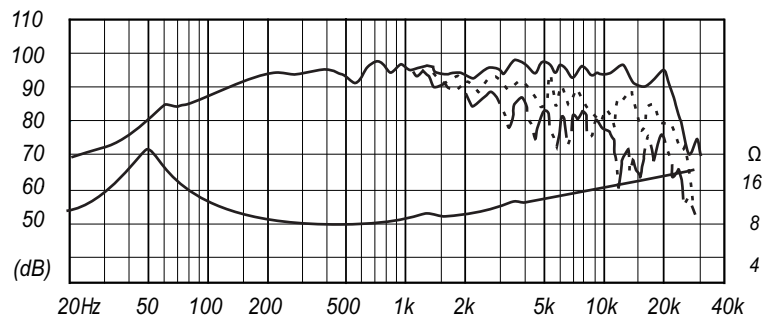
&

Thiele/Small Parameters

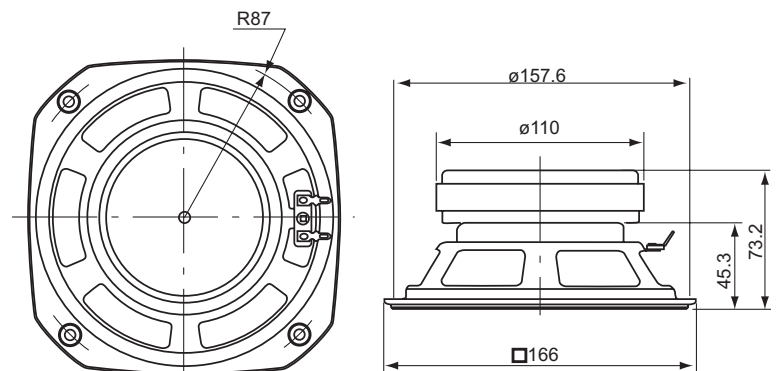
Size	:	160 mm / 6 in
Voice Coil Diameter	:	25 mm / 1 in
Cast / Stamped	:	Stamped
Impedance	:	8 Ω
Min. Frequency Response	:	50 Hz
Production Frequency Response	:	f0 - 22 kHz
Sound Pressure Level	:	94 dB/W(m)
Rated Input	:	22 W
Music Power	:	65 W
Magnet Material	:	Ferrite
Magnet Weight	:	
(main)	:	600.0 g / 1.323 lb
(cancel)	:	n/a g / n/a lb
Net Weight	:	1,600 g / 3,527 lb

a	:	65 mm
D	:	130 mm
Sd	:	0.01327 m ²
Zn	:	8 Ω
Fs	:	50 Hz
Re	:	7.10 Ω
Le	:	n/amH
Qms	:	3.89
Qes	:	0.22
Qts	:	0.21
Mms	:	6.85 g
BL	:	8.33 Telsa/m
Vas	:	45.11 L
Xmax	:	0.6 mm
Eff/ η 0	:	1.83 W%
Cms	:	0.0018 mm/N

Frequency Response / Impedance



Dimensions & Mounting Information



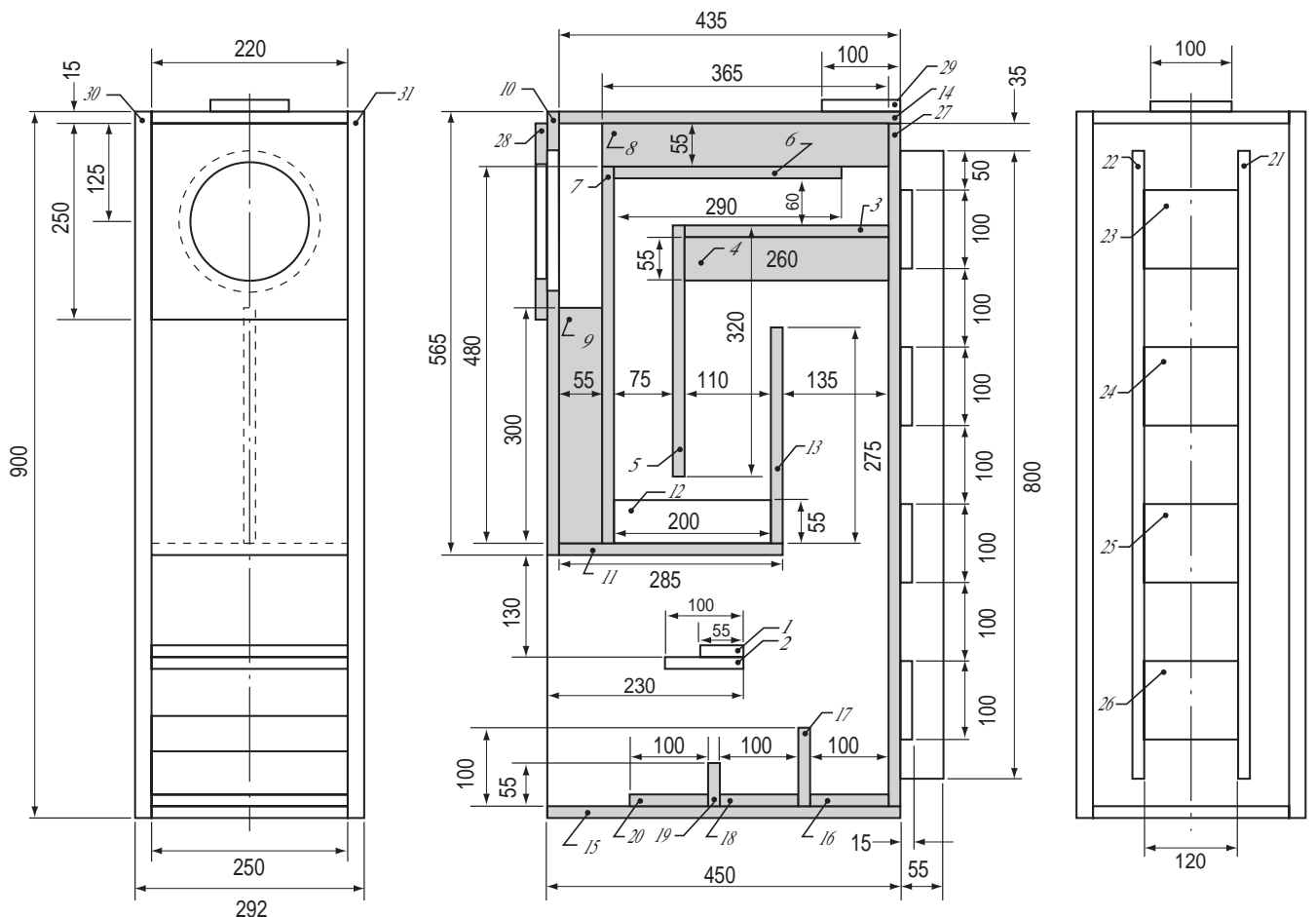
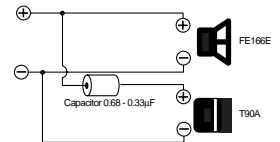
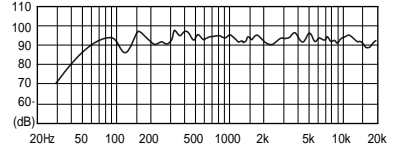
Overall Diameter	:	166 mm / 7 in
Baffle Hole Diameter	:	110 mm / 4.3 in
Depth	:	73.2 mm / 3 in

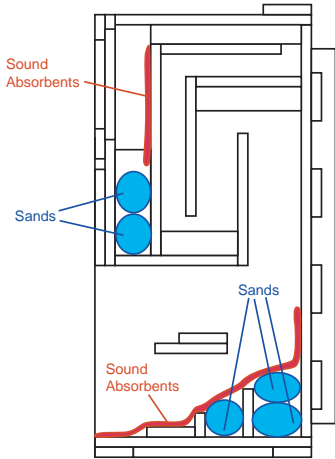
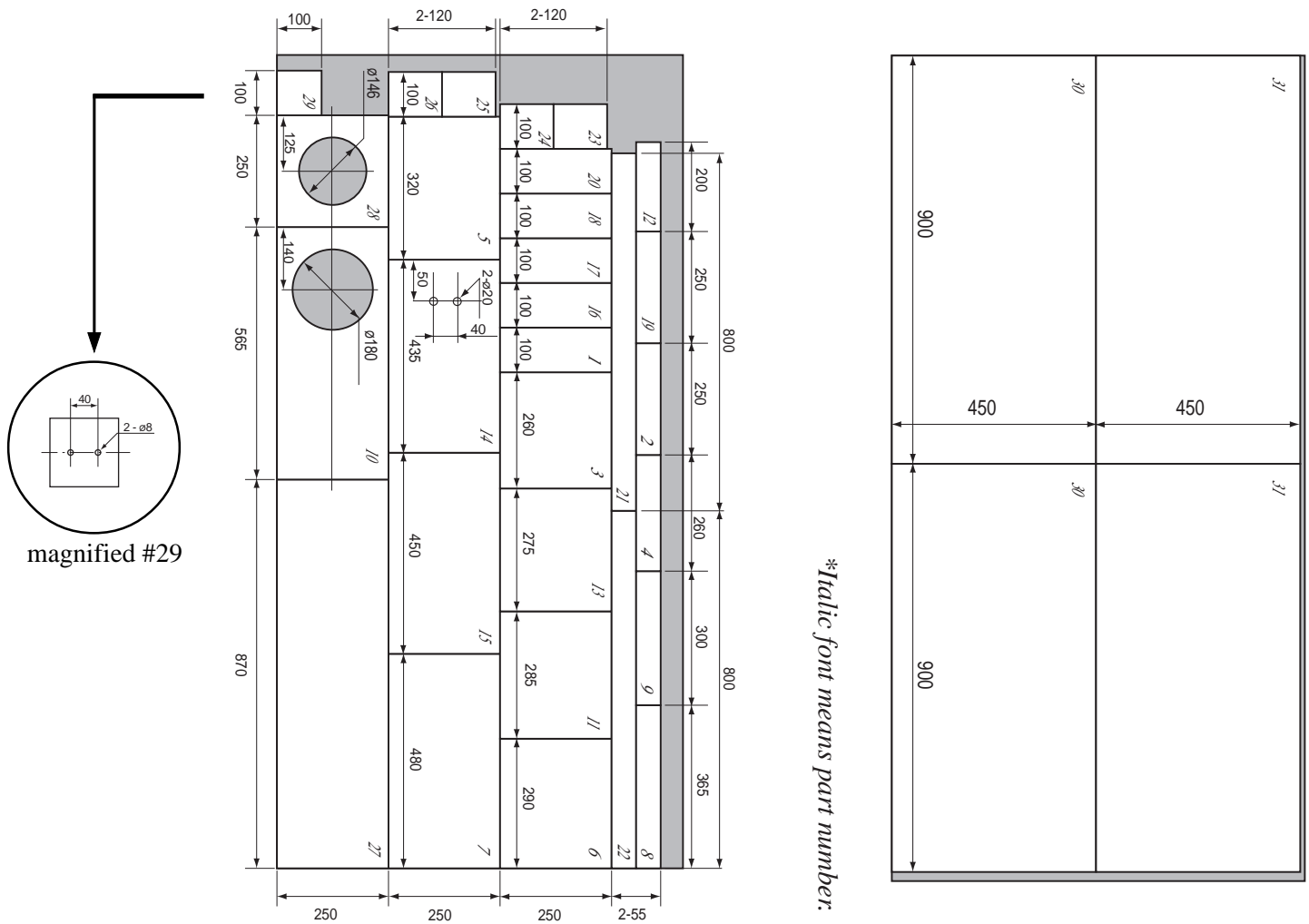
FE166E

Recommended Back Loaded Horn Type Enclosure



- This example shows a 'back loaded horn' type enclosure for FE166E.
- FE166E's magnetic circuit with $\varnothing 110\text{mm}$ large ferrite magnet provides sharper resonance and makes the unit suitable for a back loaded horn.
- 15mm thick plywood panels are used for the main section and 21mm thick plywood for the side panels to ensure a strong enclosure.
- Two way system using super tweeter T90A is also recommended.

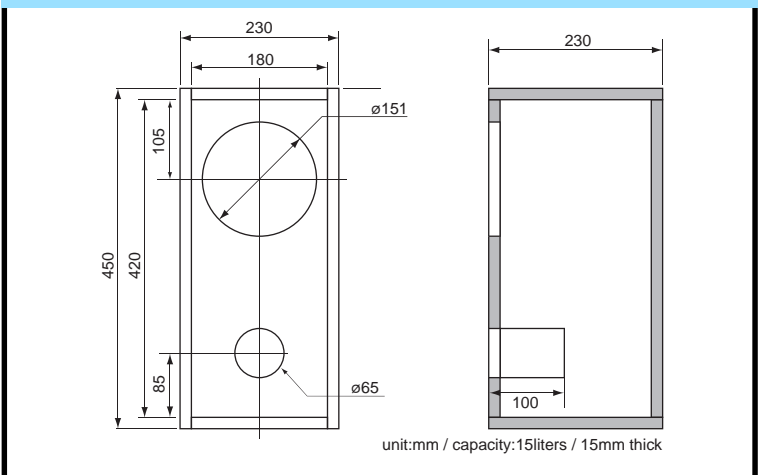




- This example has sufficient internal volume. However, if you prefer 'tighter' sound reproduction you may wish to use sand bags or fill to reduce airspace further.
- Placing thin sound-absorbent material as shown reduces peaks & dips from around 150 to 400Hz. However, damping may reduce transient response somewhat. You should adjust to taste.
- In order to avoid unwanted mid/high frequency dispersion from the horn, we recommend damping the enclosure with fill and sound absorption material.

- FE166E is designed for a back loaded horn type enclosure. It is generally unsuitable for bass reflex type enclosure use because of its over damping sound characteristics. However it is possible to use the FE166E in a bass bass reflex type enclosure as shown.
- This example is a narrow and tall style bass reflex type enclosure. Internal volume is 15 liters tuned to approximately 65Hz (Fb).
- Low frequency response from around 150Hz is gently damped with a controlled peak at 60 - 80Hz.

Bass Reflex Type Enclosure

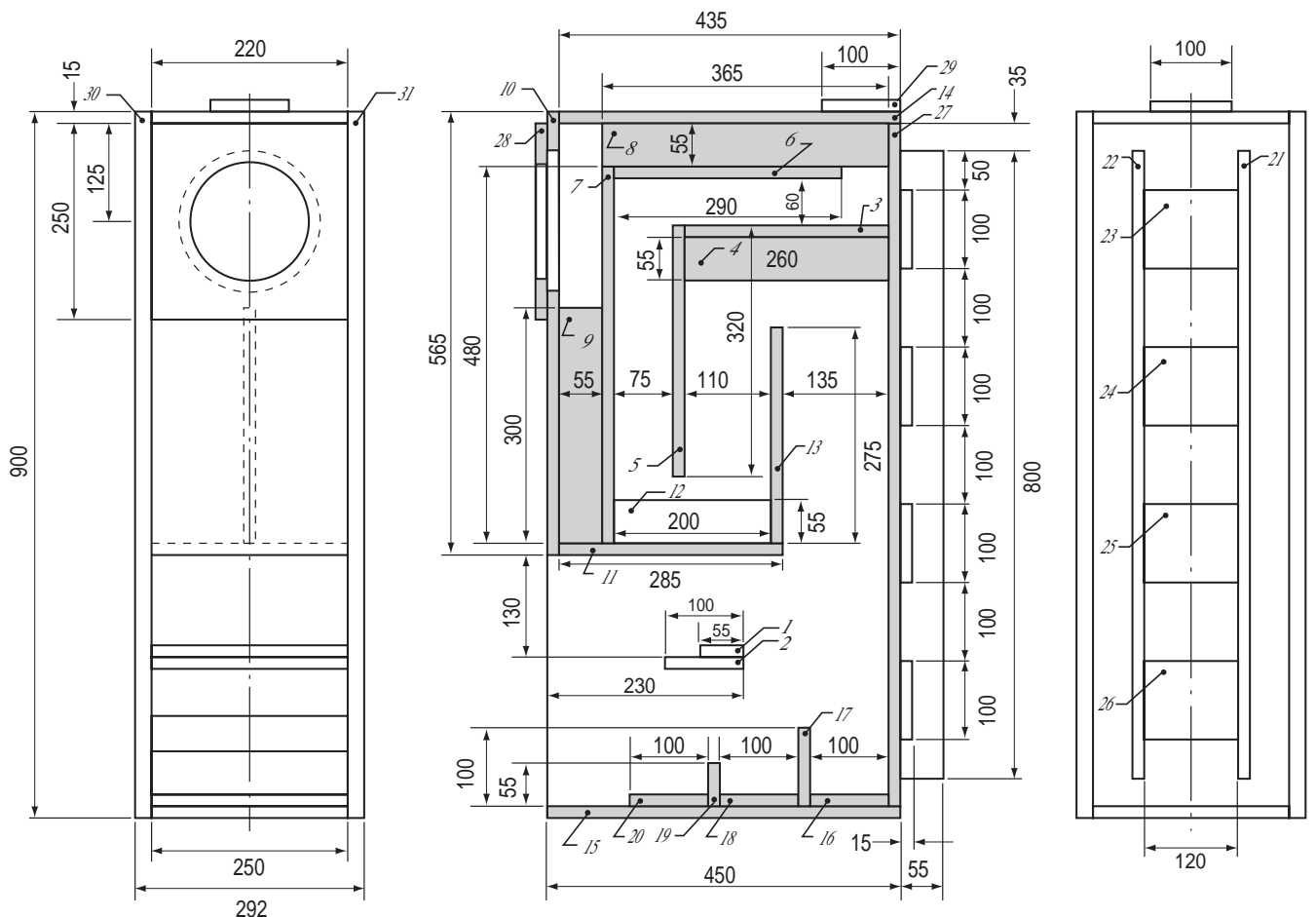
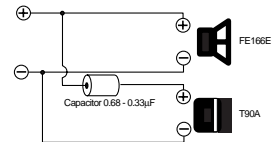
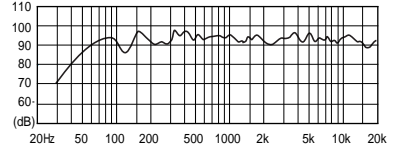


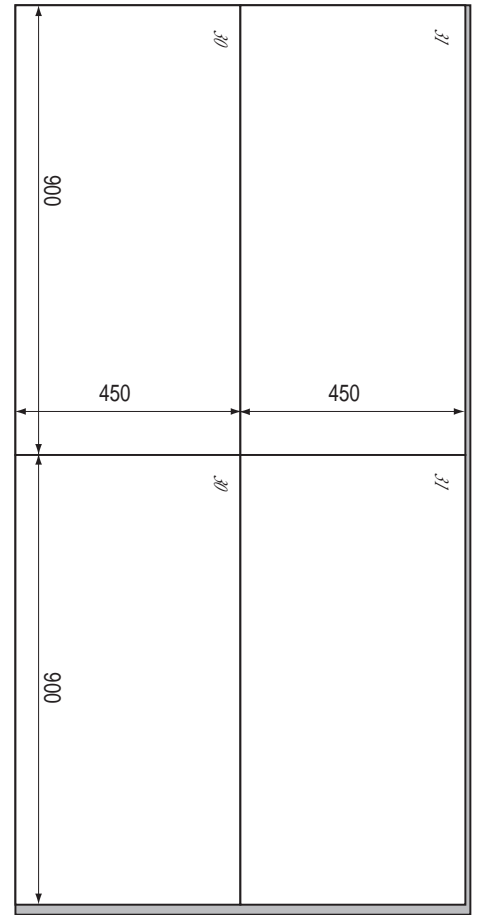
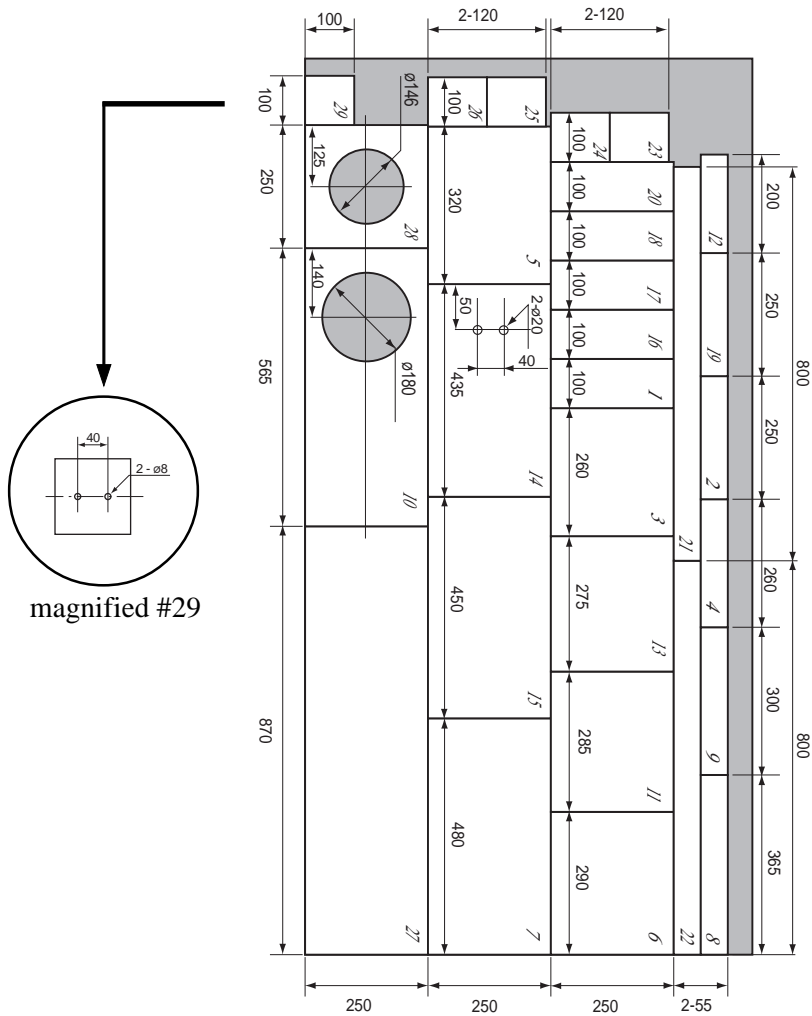
FE166E

Recommended Back Loaded Horn Type Enclosure

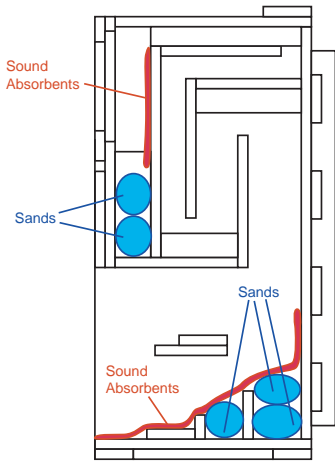


- This example shows a 'back loaded horn' type enclosure for FE166E.
- FE166E's magnetic circuit with $\varnothing 110\text{mm}$ large ferrite magnet provides sharper resonance and makes the unit suitable for a back loaded horn.
- 15mm thick plywood panels are used for the main section and 21mm thick plywood for the side panels to ensure a strong enclosure.
- Two way system using super tweeter T90A is also recommended.





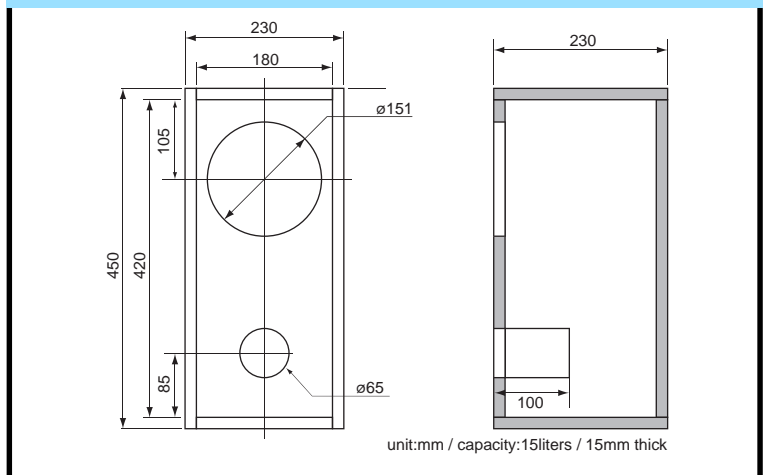
**Italic font means part number.*



- This example has sufficient internal volume. However, if you prefer 'tighter' sound reproduction you may wish to use sand bags or fill to reduce airspace further.
- Placing thin sound-absorbent material as shown reduces peaks & dips from around 150 to 400Hz. However, damping may reduce transient response somewhat. You should adjust to taste.
- In order to avoid unwanted mid/high frequency dispersion from the horn, we recommend damping the enclosure with fill and sound absorption material.

- FE166E is designed for a back loaded horn type enclosure. It is generally unsuitable for bass reflex type enclosure use because of its over damping sound characteristics. However it is possible to use the FE166E in a bass bass reflex type enclosure as shown.
- This example is a narrow and tall style bass reflex type enclosure. Internal volume is 15 liters tuned to approximately 65Hz (Fb).
- Low frequency response from around 150Hz is gently damped with a controlled peak at 60 - 80Hz.

Bass Reflex Type Enclosure



Fostex®

LOW LEAKAGE FLUX TYPE FULL RANGE
SPEAKER UNIT

FE167E

Features

- 'ES cone' paper made of banana plant's fiber
- Ferrite magnet
- Repulsion type magnetically shielded circuit
- Newly designed center cap

Specifications

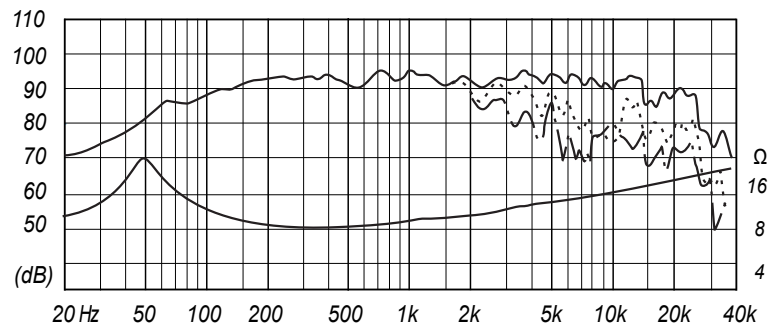
&

Thiele/Small Parameters

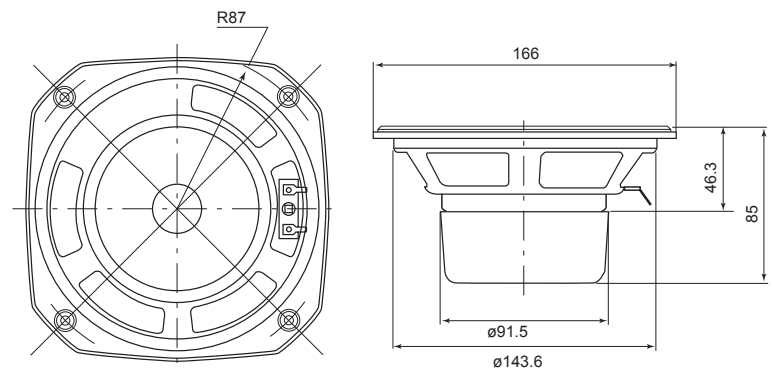
Size	:	160 mm / 6 in
Voice Coil Diameter	:	25 mm / 1 in
Cast / Stamped	:	Stamped
Impedance	:	8 Ω
Reproduction Frequency Response	:	f0 - 22 kHz
Sound Pressure Level	:	94 dB/W(m)
Rated Input	:	22 W
Music Power	:	65 W
Magnet Material	:	Ferrite
Magnet Weight	:	
(main)	:	240.1 g / 0.529 lb
(cancel)	:	121.8 g / 0.269 lb
Net Weight	:	1,320 g / 2.910 lb



Frequency Response / Impedance



Dimensions & Mounting Information

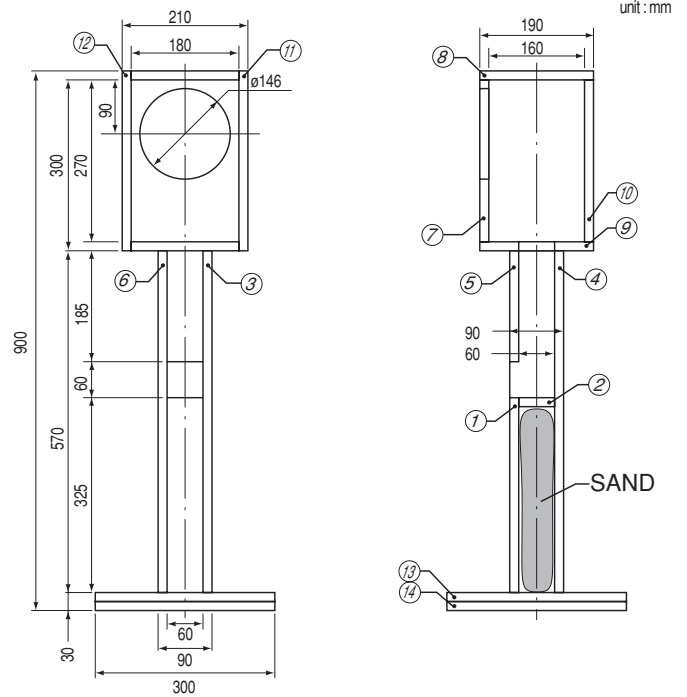


a	:	65 mm
D	:	130 mm
Sd	:	0.01327 m ²
Zn	:	8 Ω
Fs	:	51.5 Hz
Re	:	7.10 Ω
Le	:	n/a mH
Qms	:	4.63
Qes	:	0.33
Qts	:	0.31
Mms	:	6.68 g
BL	:	6.82 Telsa/m
Vas	:	35.94 L
Xmax	:	0.6 mm
Eff/η0	:	1.44 %
Cms	:	0.00145 mm/N
EBP	:	156

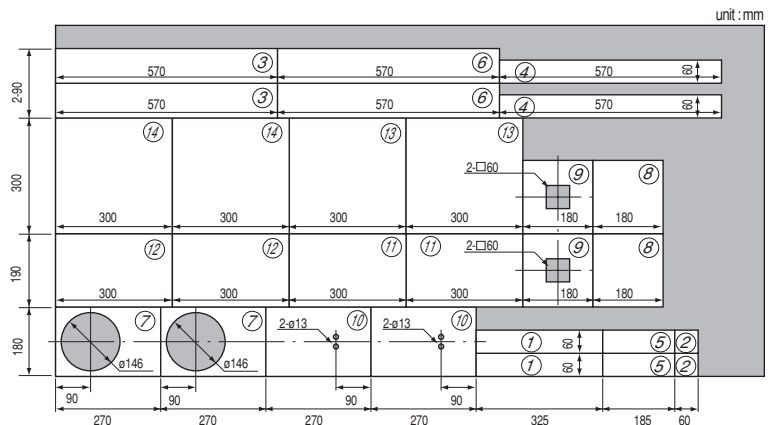
Overall Diameter	:	166 mm / 7 in
Baffle Hole Diameter	:	146 mm / 6 in
Depth	:	85 mm / 3 in

FE167E

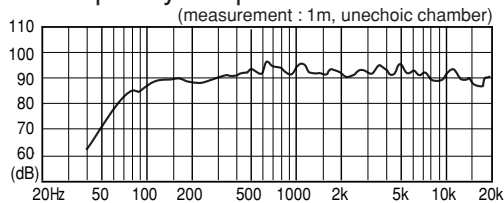
Recommended Bass Reflex Type Enclosure



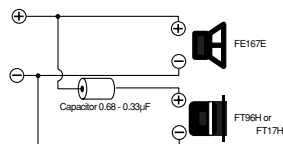
- Shown is an example of a FE167E bass reflex type enclosure.
- The stand serves as both speaker stand and bass reflex duct (port).
- Packed sand or other fill inside lower stand will improve stability and sound quality.
- This enclosure is designed to control low frequency and realize flat frequency response at all bandwidths.



Frequency Response

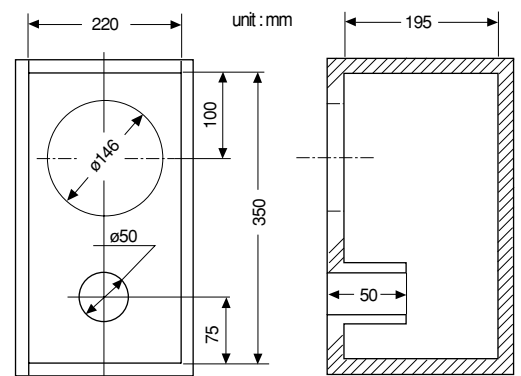


- Two way system using super tweeter is also recommended.
- 15mm thick plywood was used for the tested enclosure.



Recommended Standard Bass Reflex Type Enclosure

Example of FE167E standard bass reflex type enclosure. This enclosure has 15 liters capacity. You may try various external dimensions as long as the internal volume remains the same.



Fostex®

FULL RANGE SPEAKER UNIT

FE206E

Features

- 'ES cone' paper made of banana plant's fiber
- \varnothing 110mm large ferrite magnet
- Newly designed center cap



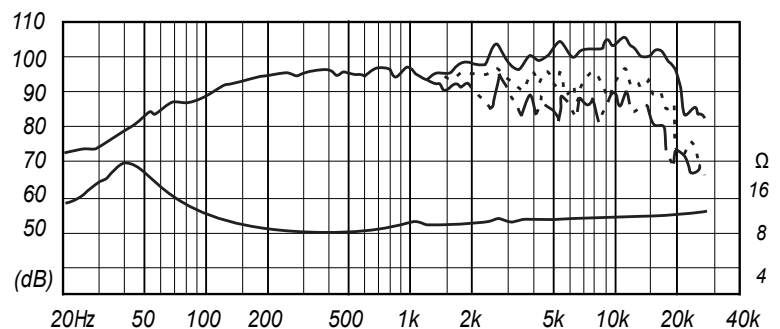
Specifications

&

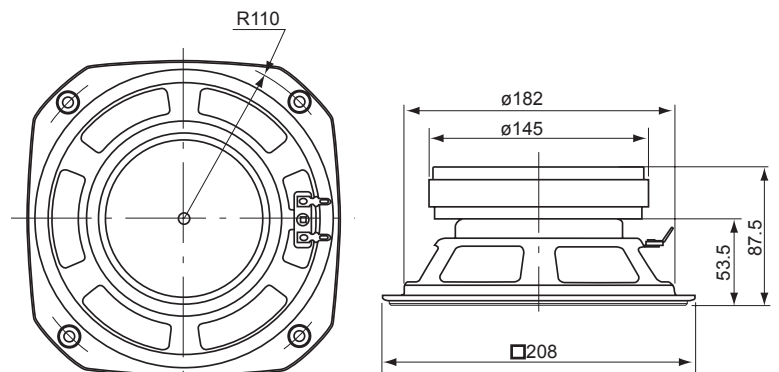
Thiele/Small Parameters

Size	:	200 mm / 8 in
Voice Coil Diameter	:	35 mm / 1.4 in
Cast / Stamped	:	Stamped
Impedance	:	8 Ω
Reproduction Frequency Response	:	f ₀ - 20 kHz
Sound Pressure Level	:	96 dB/W(m)
Rated Input	:	30 W
Music Power	:	90 W
Magnet Material	:	Ferrite
Magnet Weight	:	
(main)	:	1,067 g / 2.352 lb
(cancel)	:	n/a g / n/a lb
Net Weight	:	3,350 g / 7.385 lb

Frequency Response / Impedance



Dimensions & Mounting Information



a	:	81 mm
D	:	162 mm
S _d	:	0.02061 m ²
Z _n	:	8 Ω
F _s	:	39 Hz
Re	:	6.69 Ω
Le	:	n/amH
Q _{ms}	:	3.73
Q _{es}	:	0.18
Q _{ts}	:	0.18
M _{ms}	:	15.35 g
BL	:	11.82 Telsa/m
V _{as}	:	54.53 L
X _{max}	:	1.5 mm
Eff/ η ₀	:	1.73 %
C _{ms}	:	0.00091 mm/N
EBP	:	217

Overall Diameter	:	208 mm / 8 in
Baffle Hole Diameter	:	145 mm / 5.7 in
Depth	:	87.5 mm / 3 in

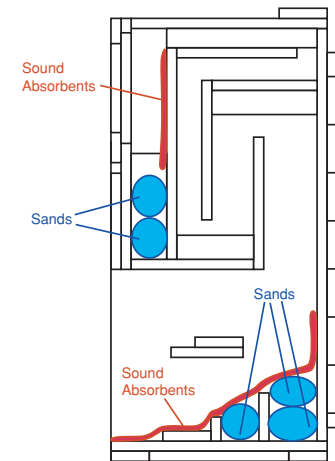
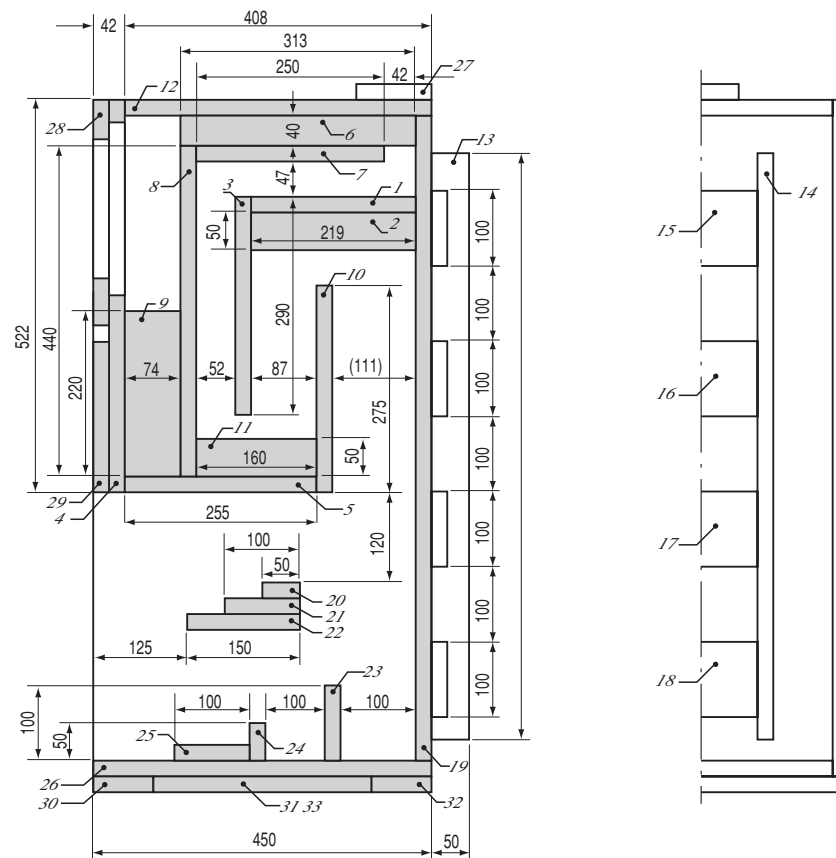
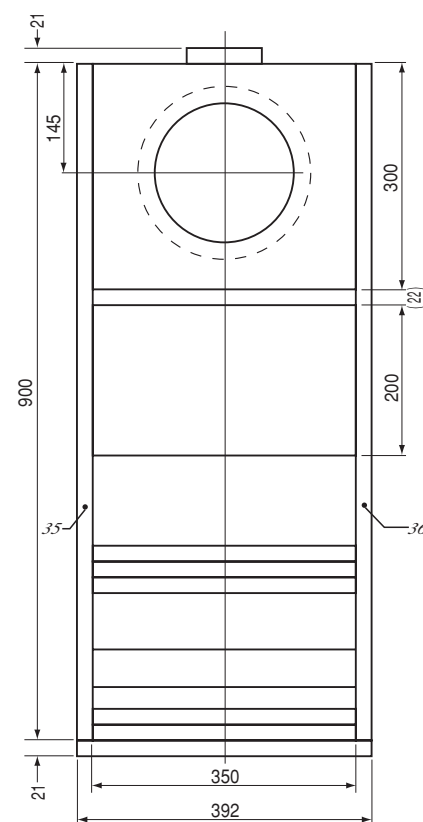
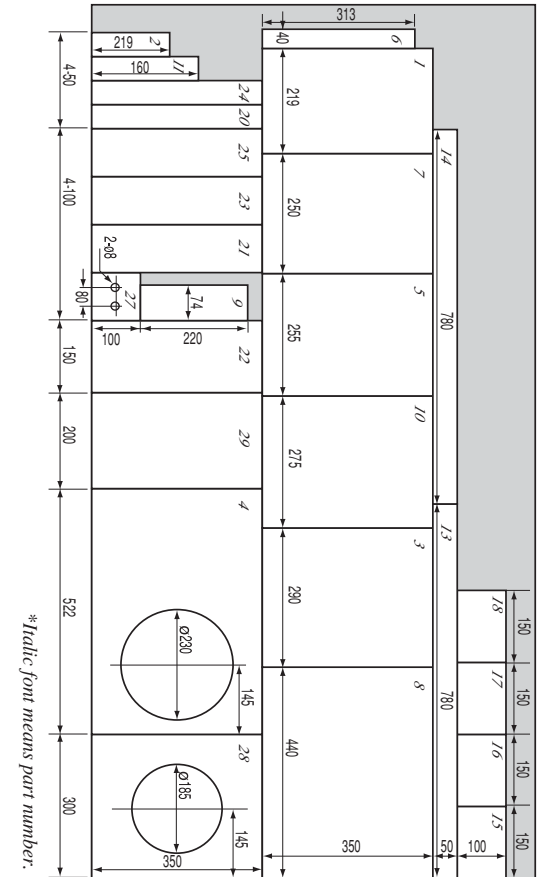
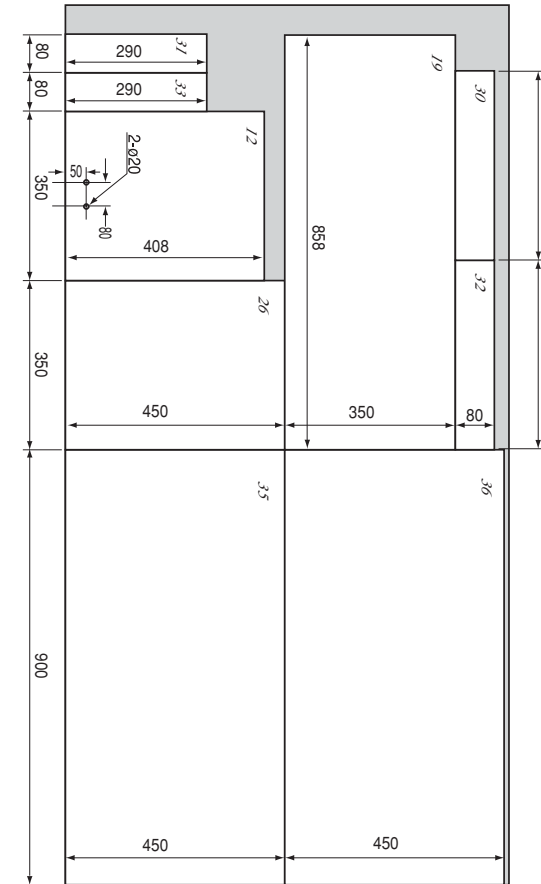
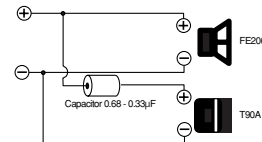
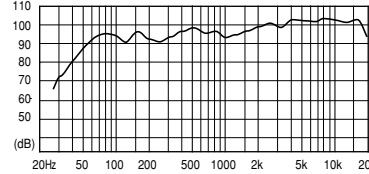
RECOMMENDED ENCLOSURE

FE206E

Recommended Back Loaded Horn Type Enclosure



- This example shows a ‘back loaded horn’ type enclosure for FE206E.
- FE206E’s magnetic circuit with $\phi 146\text{mm}$ large ferrite magnet provides sharper resonance and makes the unit suitable for a back loaded horn type enclosure.
- 21mm thick plywood is used for main section and side panels to ensure a strong enclosure.
- Two way system using super tweeter T90A is also recommended.



- This example has sufficient internal volume. However, if you prefer ‘tighter’ sound reproduction, you can reduce airspace using sands or other fill material.
- Placing thin sound absorbent material as shown enable reduction of peaks & dips around 150 to 400Hz band width. However, it may reduce transient response. You should adjust it to your taste.
- In order to avoid unwanted mid/high frequency dispersion of the horn, we recommend damping the enclosure with filler and sound absorption material.

- FE206E is designed for use in a back loaded horn type enclosure and it is generally unsuitable for bass reflex because of its over damping sound characteristics. However, it is possible to use the FE206E in a bass reflex enclosure as shown.
- This example is a narrow and tall style bass reflex type enclosure. Internal volume of 45 liters tuned to approximately 50Hz (Fb).
- Low frequency response from around 120Hz is gently damped with a controlled peak at 50 - 60Hz.

