

# Fostex®

FULL RANGE SPEAKER UNIT

## 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

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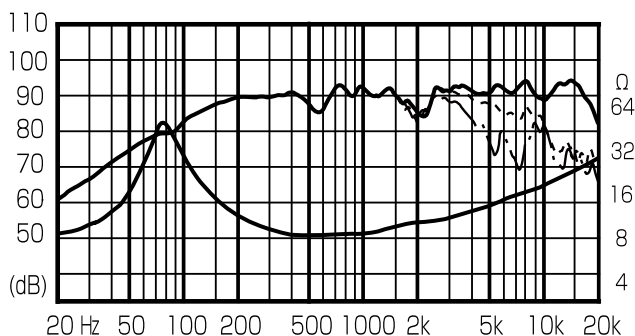
#### Thiele/Small Parameters

Size	:	100 mm / 3.9 in
Voice Coil Diameter	:	20 mm / 0.8 in
Cast / Stamped	:	Stamped
Impedance	:	8 $\Omega$
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

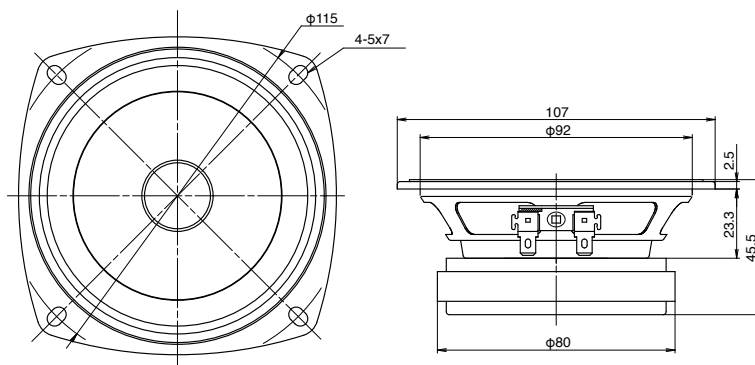
a	:	40 mm
D	:	80 mm
Sd	:	0.005 m <sup>2</sup>
Zn	:	8 $\Omega$
Fs	:	83 Hz
Re	:	7.5 $\Omega$
Le	:	0.0398 mH
Qms	:	2.747
Qes	:	0.377
Qts	:	0.33
Mms	:	2.55 g
BL	:	4.99 Telsa/m
Vas	:	5.95 L
Xmax	:	0.6 mm
Eff/ $\eta$ 0	:	0.72 %
Cms	:	1.65 m/N
EBP	:	220.16



### Frequency Response / Impedance

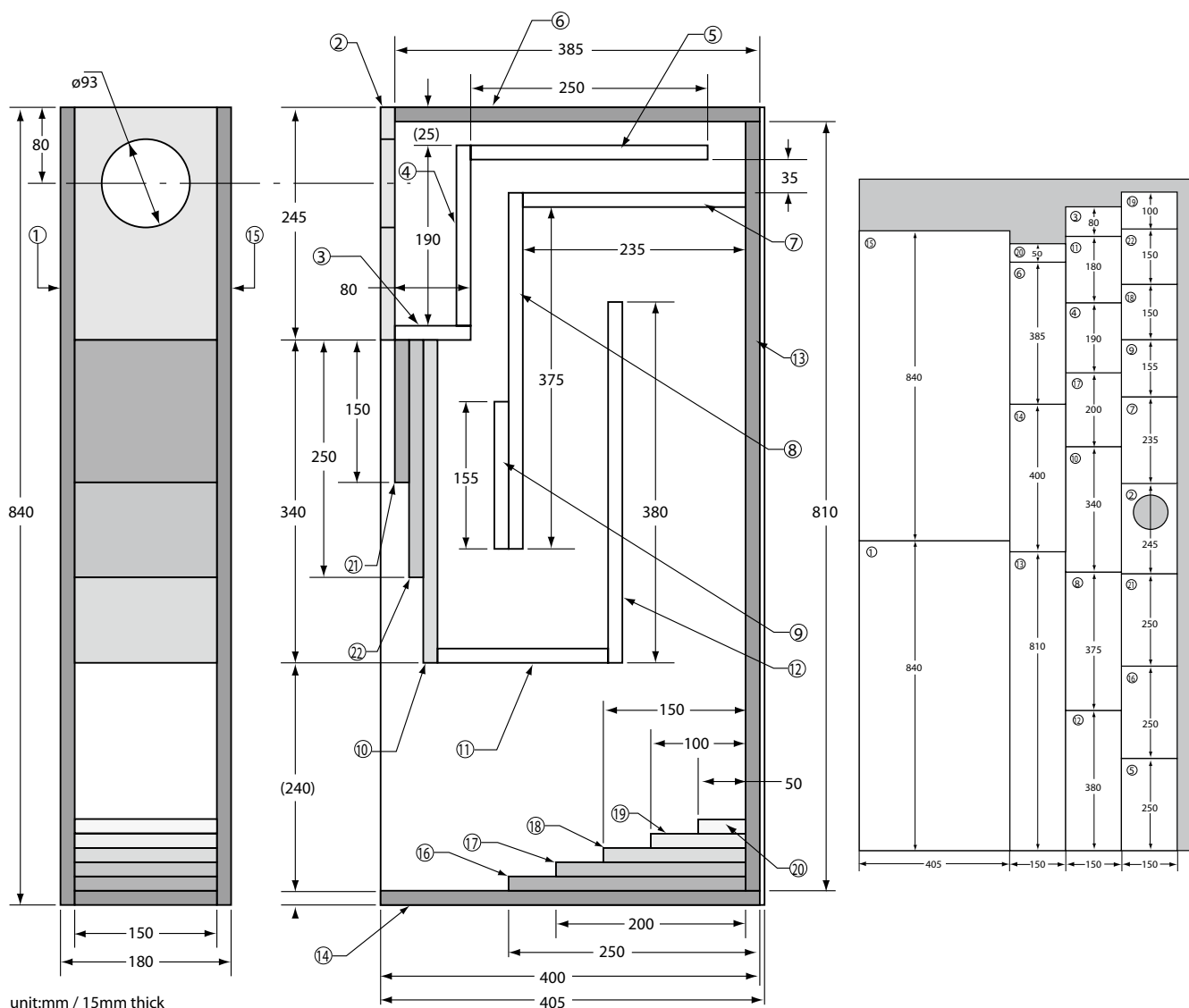


### Dimensions & Mounting Information



Overall Diameter	:	107 mm / 4.2 in
Baffle Hole Diameter	:	93 mm / 3.7 in
Depth	:	45.5 mm / 1.8 in

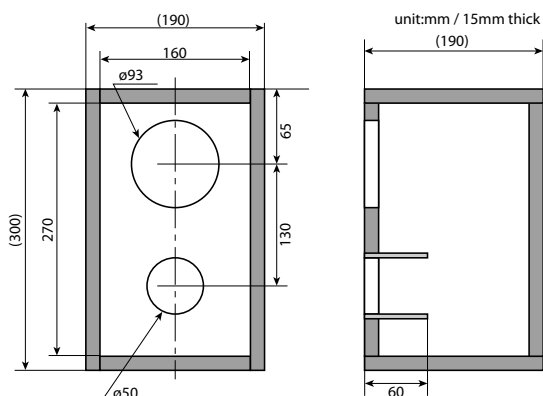
# Recommended Back Loaded Horn Type Enclosure



- 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 En standard bass reflex type enclosure. Internal volume is 6 liters tuned to 95Hz (Fb).



**Fostex**

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

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