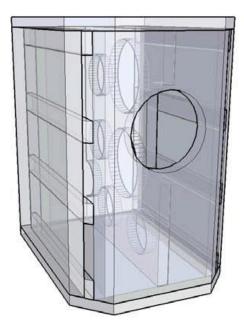
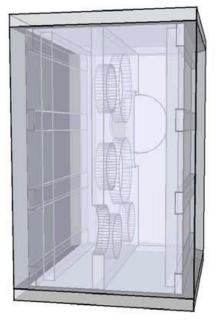


FE127eN Fonken v1.0.3b Visualization © 2009 planet_10 enterprises limited designed & drawn by D Dlugos | 13-nov-09 for non-commercial use only







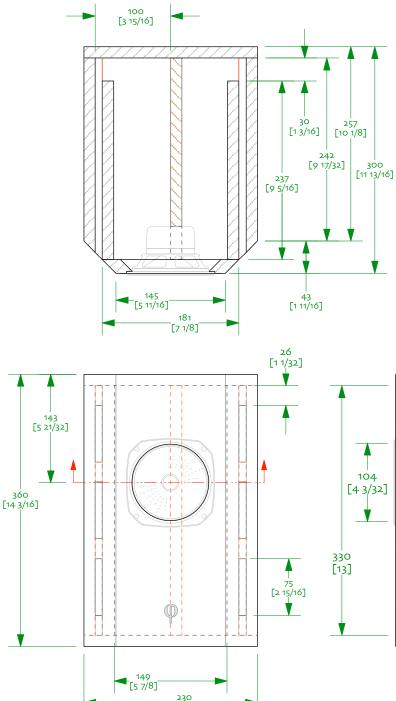








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[9 1/32]

Notes:

300

o/ Designed for modified Fostex FE127eN, will work well with stock driver

1/ All panels 15mm (5/8") thick baffle is 15 or 18mm (3/4'') – 18mm in drawing

2/ Box should be made from Baltic Birch plywood or other void-free, many-ply plywood

3/ Ports are 75mm (2 15/16") long by 9.5mm (3/8") thick – 3 per side with 4 – 1 1/32" (26.4mm) solid spacers (spacers run all the way to the back of the box). MDF or solid wood spacers are preferred

4/ Brace shape is only suggestive – prime purpose is to brace speaker, it needs to be about 35-40% holes. (if you have to mount a terminal cup in the middle, you'll want to make sure the brace allows clearance)

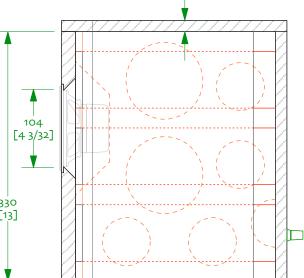
5/ Don't forget to angle cut the back of the driver cut-out to give it breathing room

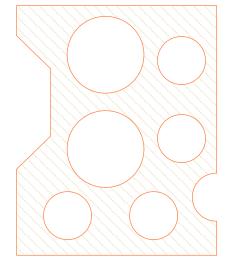
6/ All internal panels lined with ~1/2" (12mm) wool or cotton felt (preferred), 3/4" (19mm) poly-fluff batting, or 1" (25mm) fiberglass Note that it is hard to get into the box after it is sealed up

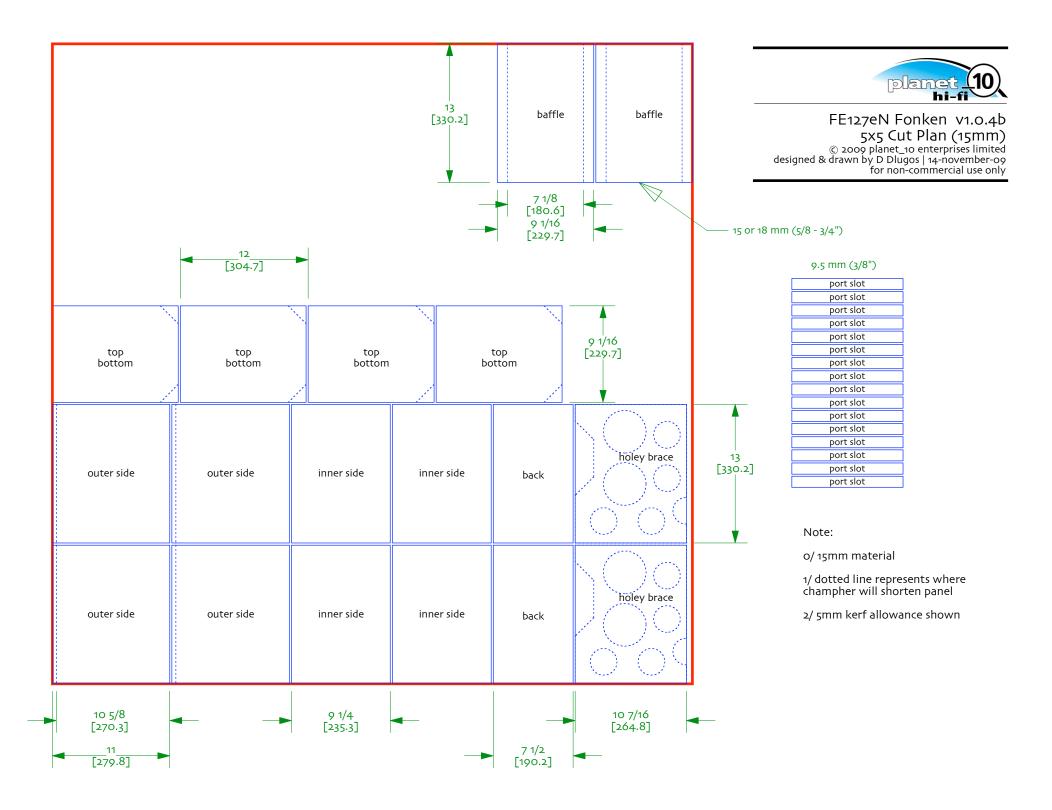
15 [19/32]

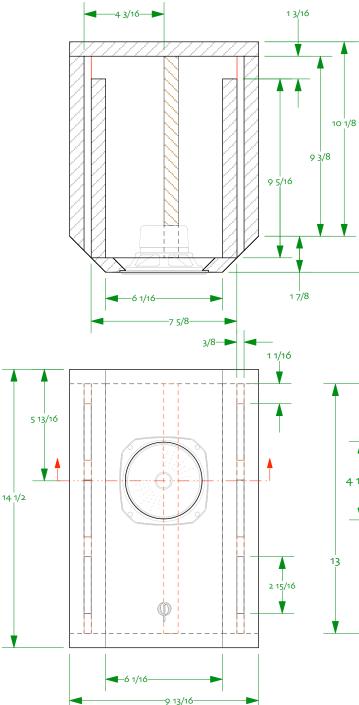


FE127eN Fonken v1.0.4 Dimensional Drawing (15/18mm) © 2007-2013 planet_10 enterprises limited designed & drawn by D Dlugos | 24-feb-13 for non-commercial use only









12

o/ Designed for modified Fostex FE127eN, will work well with stock driver

1/ All panels 3/4" thick

2/ Box should be made from Baltic Birch plywood or other void-free, many-ply plywood

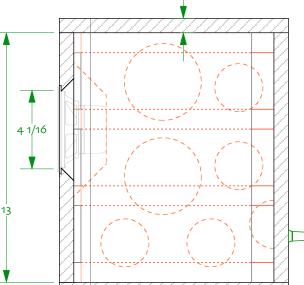
3/ Ports are 2 15/16" long by 3/8" wide – 3 per side with 4 – 1 1/32" solid spacers (spacers run all the way to the back of the box). MDF or solid wood spacers are preferred

4/ Brace shape is only suggestive – prime purpose is to brace speaker, it needs to be about 35-40% holes. (if you have to mount a terminal cup in the middle, you'll want to make sure the brace allows clearance)

5/ Don't forget to angle cut the back of the driver cut-out to give it breathing room

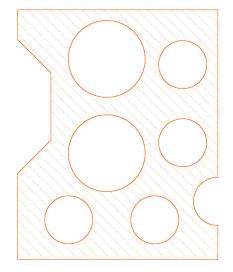
6/ All internal panels lined with ~1/2" (12mm) wool or cotton felt (preferred), 3/4" (19mm) poly-fluff batting, or 1" (25mm) fiberglass Note that it is hard to get into the box after it is sealed up

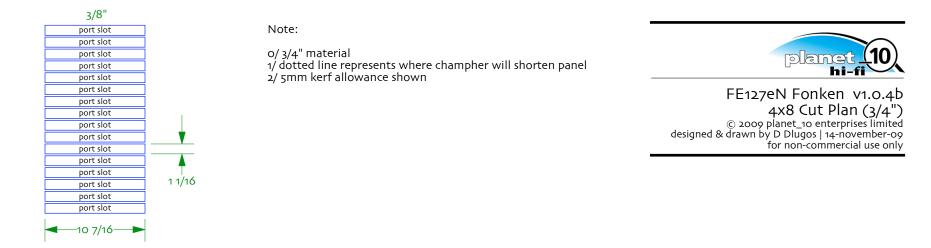
3/4

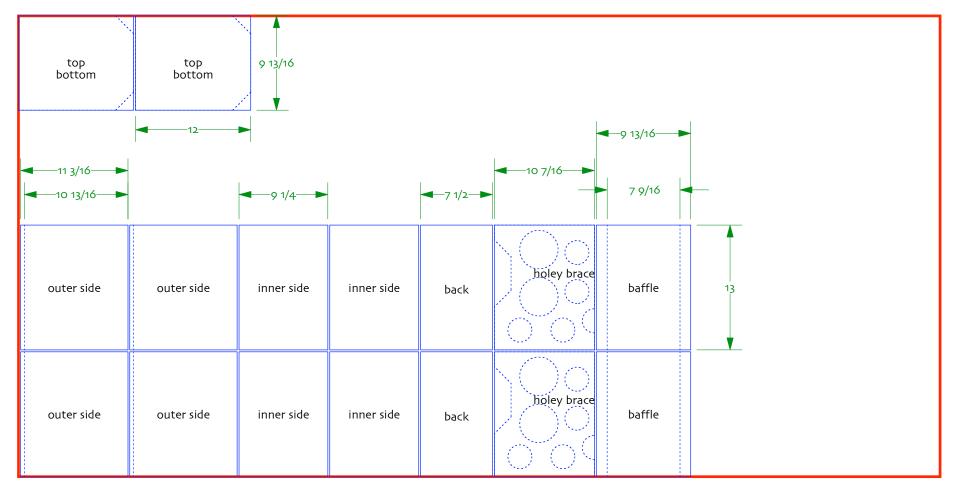


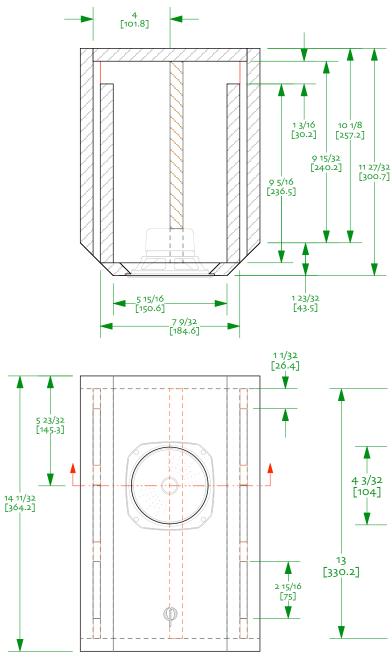


FE127eN Fonken v1.0.3b Dimensional Drawing (3/4") © 2007, 2008, 2009 planet_10 enterprises limited designed & drawn by D Dlugos | 14nov-o9 for non-commercial use only









5 29/32 [149.9]

9 11/32 [237.7]

Notes:

o/ Designed for modified Fostex FE127eN, will work well with stock driver

1/ All panels 17mm

2/ Box should be made from Baltic Birch plywood or other void-free, many-ply plywood

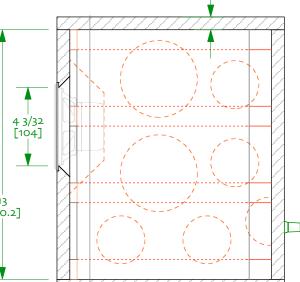
3/ Ports are 75mm (2 15/16") long by 9.5mm (3/8") thick – 3 per side with 4 – 1 1/32" (26.4mm) solid spacers (spacers run all the way to the back of the box). MDF or solid wood spacers are preferred

4/ Brace shape is only suggestive – prime purpose is to brace speaker, it needs to be about 35-40% holes. (if you have to mount a terminal cup in the middle, you'll want to make sure the brace allows clearance)

5/ Don't forget to angle cut the back of the driver cut-out to give it breathing room

6/ All internal panels lined with ~1/2" (12mm) wool or cotton felt (preferred), 3/4" (19mm) poly-fluff batting, or 1" (25mm) fiberglass Note that it is hard to get into the box after it is sealed up

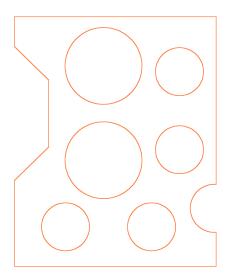
> 21/32 [17]

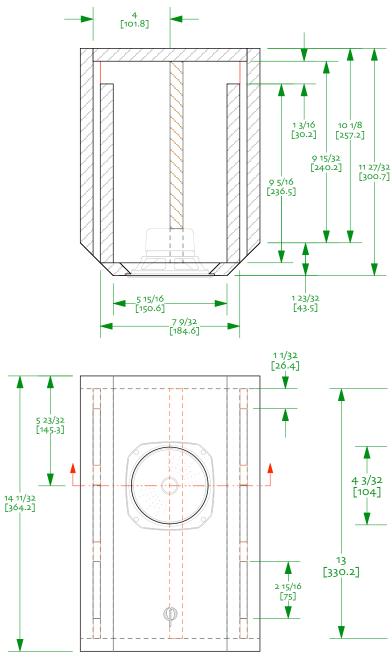




FE127eN Fonken v1.0.3b

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5 29/32 [149.9]

9 11/32 [237.7]

Notes:

o/ Designed for modified Fostex FE127eN, will work well with stock driver

1/ All panels 17mm

2/ Box should be made from Baltic Birch plywood or other void-free, many-ply plywood

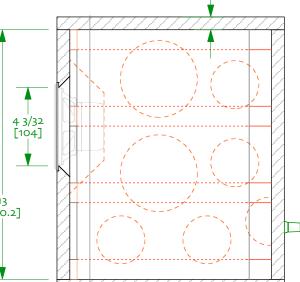
3/ Ports are 75mm (2 15/16") long by 9.5mm (3/8") thick – 3 per side with 4 – 1 1/32" (26.4mm) solid spacers (spacers run all the way to the back of the box). MDF or solid wood spacers are preferred

4/ Brace shape is only suggestive – prime purpose is to brace speaker, it needs to be about 35-40% holes. (if you have to mount a terminal cup in the middle, you'll want to make sure the brace allows clearance)

5/ Don't forget to angle cut the back of the driver cut-out to give it breathing room

6/ All internal panels lined with ~1/2" (12mm) wool or cotton felt (preferred), 3/4" (19mm) poly-fluff batting, or 1" (25mm) fiberglass Note that it is hard to get into the box after it is sealed up

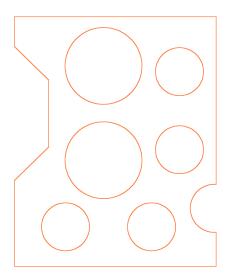
> 21/32 [17]

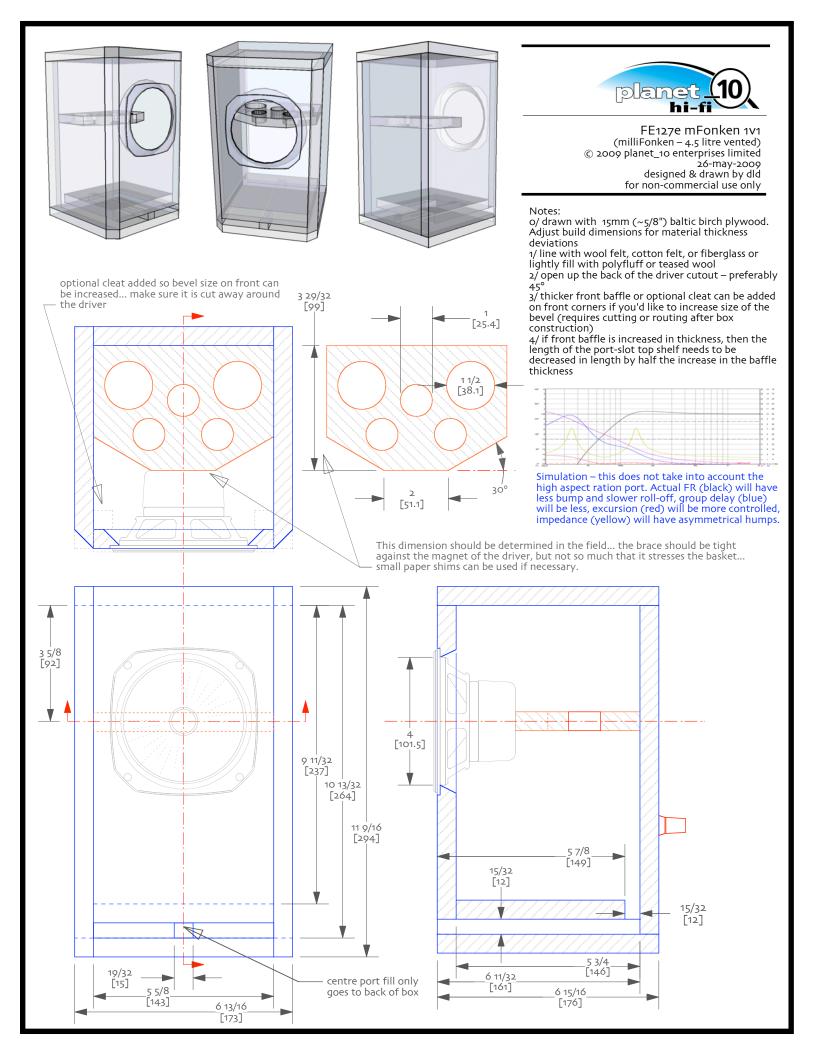




FE127eN Fonken v1.0.3b

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o/ A classic Golden Ratio based derivative of the Fonken designed for modified Fostex FE127e, will work well with stock driver

1/ to be built as mirror imaged pairs

2/ All panels 5/8" (15mm)

3/ Ports are 3/4" (19mm) high and the width is defined by adding a 5/8" (15mm) solid spacers

4/ brace shape is only suggestive -- prime purpose is to brace driver, it needs to be about 35-40% holes. (ie if you have to mount a terminal cup in the middle, you'll want to make sure the brace allows clearance)

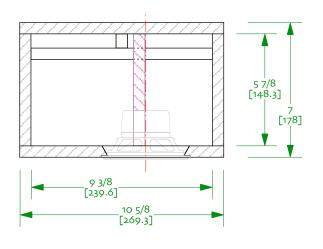
5/ Don't forget to angle cut the back of the driver cut-out to give it breathing room

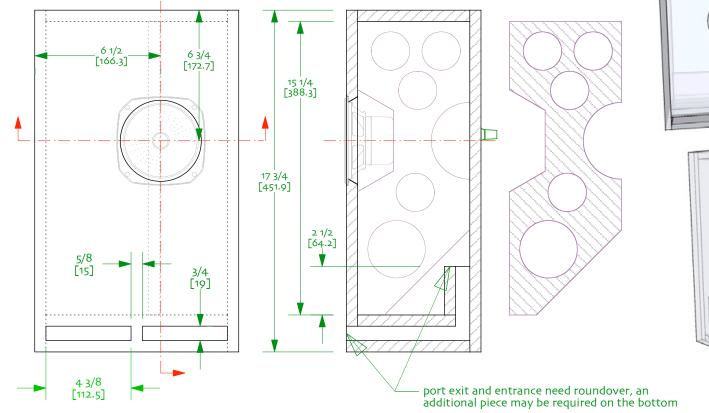
6/ All internal panels lined with ~1/2" (12mm) wool felt (preferred), 3/4" (19mm) poly-fluff batting, or 1" (25mm) fiberglass Note that it is hard to get into the box after it is sealed up

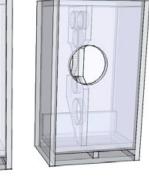


Classic Fonken GR /FE127e ov6

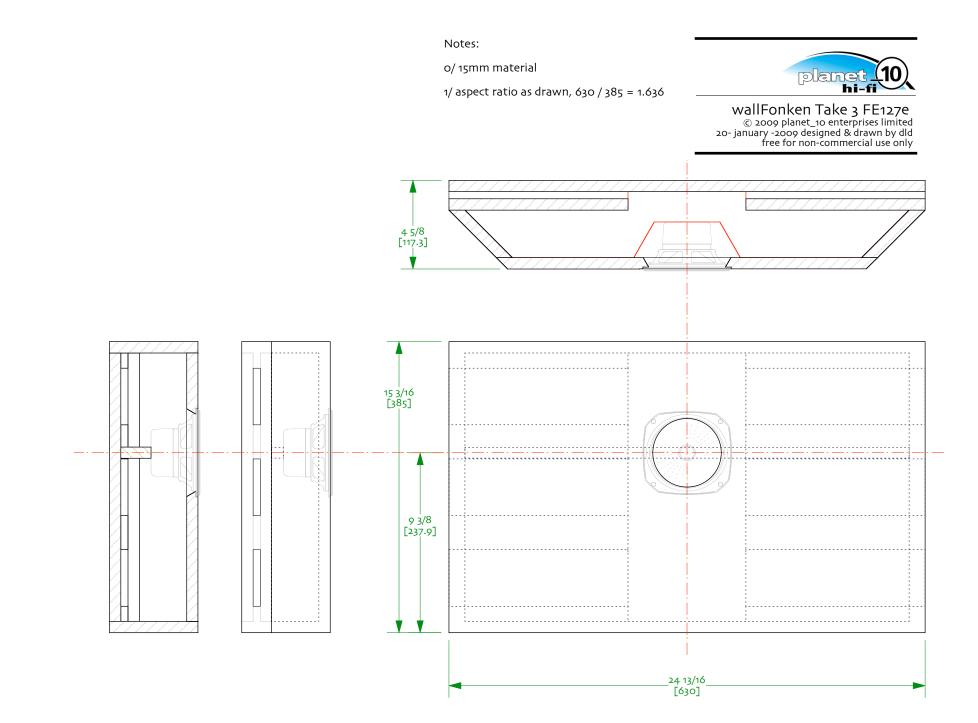
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o/ drawn with 15mm material

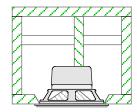
1/ a Fonken has its walls lined with 1/2" cotton or wool felt. Due to the tall skinny nature of this impementation, some quarter-wave characteristics a taken on and some very loose polyfill or wool fill may be required to reduce some lower midrange ripple (0.1-0.23 lb / 45-106 g). The chart (modeled in MJK) with no damping (red) and with 45 g of polyfluff (green), but no lining on the walls -- it shows the potenial for ripple.

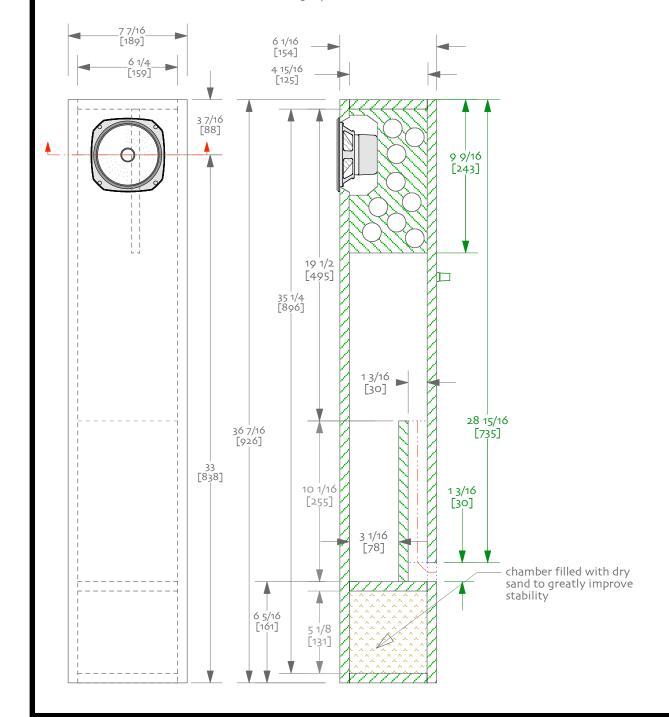
2/ the holey internal brace can be extended all the way down for inreased panel stiffness.

3/ driver can be moved off the centre-line in which case mirror images pairs would be made.



planet hi**10**







1/ a Fonken has its walls lined with 1/2" cotton or wool felt. Due to the tall skinny nature of this impementation, some quarter-wave characteristics are taken on and some very loose polyfill or wool fill may be required to reduce some lower midrange ripple (0.1-0.23 lb / 45-106 g). The chart (modeled in MJK) is with no damping (red) and with 45 g of polyfluff (green), but no lining on the walls -- it shows the potenial for ripple.

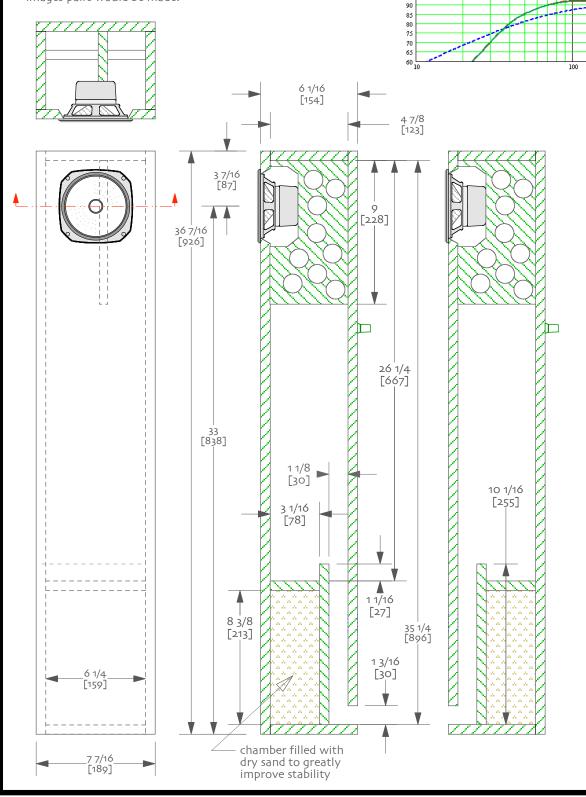
2/ the holey internal brace can be extended all the way down for inreased panel stiffness.

3/ driver can be moved off the centre-line in which case mirror images pairs would be made.



FE127e Fonken-tuned floorstander

Mark 2,1 © 2008 planet_10 enterprises limited 13-march -2008 designed & drawn by dld free for non-commercial use only



110 105 100

95

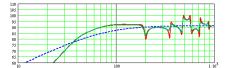


FE127e Fonken-tuned floorstander © 2006 planet_10 enterprises limited 01-july -2006 designed & drawn by dld free for non-commercial use only

Notes:

o/ drawn with 15mm material

1/ a Fonken has its walls lined with 1/2" cotton or wool felt. Due to the tall skinny nature of this impementation, some quarter-wave characteristics are taken on and some very loose polyfill or wool fill may be required to reduce some lower midrange ripple (0.1-0.23 Ib / 45-106 g). The chart (modeled in MJK) is with no damping (red) and with 45 g of polyfluff (green), but no lining on the walls -- it shows the potenial for ripple.



2/ the holey internal brace can be extended all the way down for inreased panel stiffness.

3/ driver can be moved off the centre-line in which case mirror images pairs would be made.

3 27/32 [98] 6 1/4 [158.6] 2 27/32 [72.6] 38 3/16 [970] 28 5/32 [715] 35 29/32 [912.4] 10 1/32 [255] 2 1/8 [53]

Z D

1 3/16 [30]

