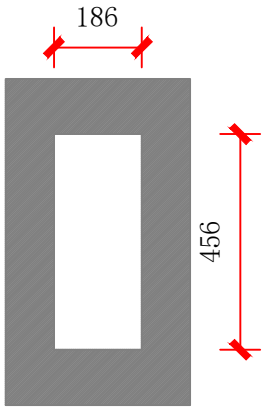
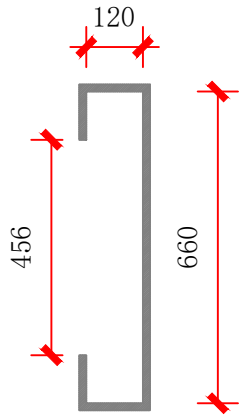
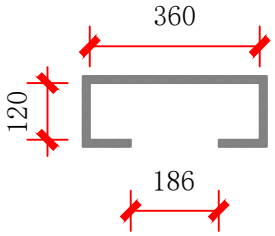
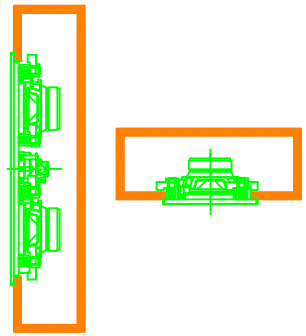
Hole Size	Side sectional view
	
Cutaway view	**Installation effect**
	

Box size(WHD): 360mmX660mmX140mm
Hole Size(WHD): 456mmX186mm
Volume: 28.6L
The thickness of the board is recommended 12-15 mm

E620-IW Back box design:

E620-IW Subwoofer parameters

Revc=6.200 Ohm Fo=48.707 Hz Sd=138.930 cm Md=10.000 g BL=5.338 T
Qms= 6.553 Qes= 0.810 Qts= 0.721 No= 0.332 % SPLo= 87.2 dB
Vas=24.057 Ltr Cms=877.718m mm/N Mms=12.165 g

According to Dolby decoding, refer to the US THX standard, the main box and bass frequency division is 80Hz

Set the system Fb to 80Hz, it can be estimated:

Qtc = Fb/Fo x Qts

Qtc = 80/48.7x0.721

= 1.18

Speaker / speaker neck ratio:

a = (Qtc/Qts)2-1

a = (1.18/0.721) 2-1

= 1.6775

Cabinet volume:

V = Vas/a

V = 24.057/1.6775
= 14.34 (L)

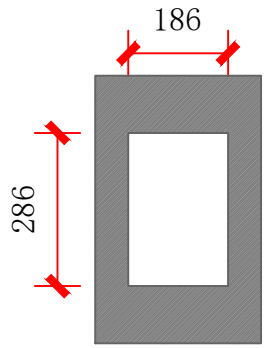
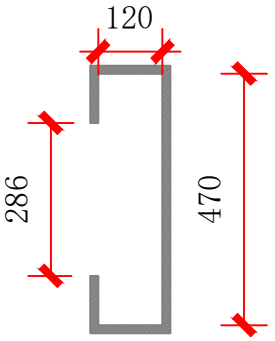
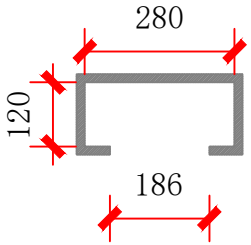
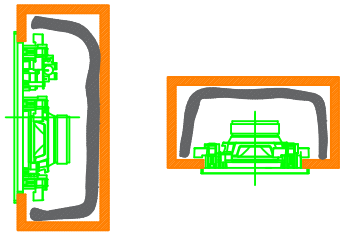
E620-IWAre 2 woofers, so the volume is: 14.34x2=28.68(L)

According to the calculation principle of the closed box, Qtc satisfies 0.707-1.2 as the best design. This box design can make the best effect of low frequency effect, speed and density. According to the design principle of the closed box, the inside of the box is filled with 80% white fireproof sound-absorbing cotton.

Draw No:A0	Scalie: 1:1	Date:20/04/10
Desing:Qing	Draw:Simon	Approved:Micheal

Client Approved
PL-01

E620-IW **Back box**

Hole Size	Side sectional view
	
Cutaway view	**Installation effect**
	

Box size(WHD): 280mmX470mmX120mm
Hole Size(WHD): 286mmX186mm
Volume: 15.8L
The thickness of the board is recommended 12-15 mm

E610-IW Back box design:

E610-IW Subwoofer parameters:

Revc=3.100 Ohm Fo=48.039 Hz Sd=138.930 cm Md=10.000 g
BL=4.209 T Qms= 5.889 Qes= 0.587 Qts= 0.534 No= 0.494 % SPLo=
89.0 dB Vas=27.071 Ltr Cms=987.694m mm/N Mms=11.113 g

According to Dolby decoding, refer to the US THX standard, the main box and bass frequency division is 80Hz

Set the system Fb to 80Hz, it can be estimated:

Qtc = Fb/Fo x Qts

Qtc = 80/48.039x0.534

= 0.88

Speaker / speaker neck ratio:

a = (Qtc/Qts)2-1

a = (0.88/0.534) 2-1

= 1.714

Cabinet volume:

V = Vas/a

V = 27.071/1.714

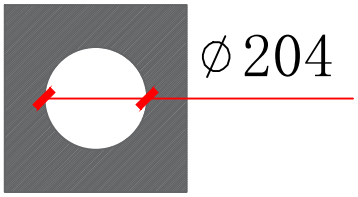
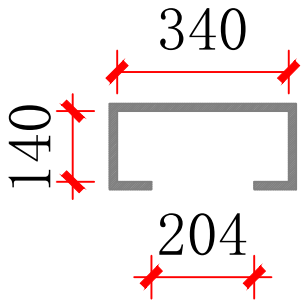
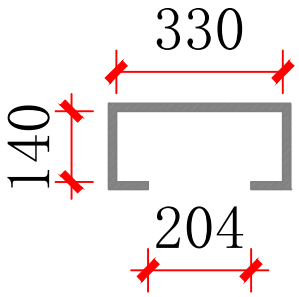
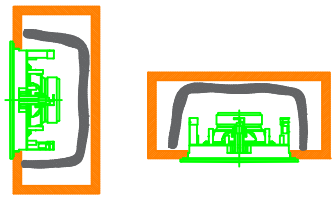
= 15.8 (L)

According to the calculation principle of the closed box, Qtc satisfies 0.707-1.2 as the best design. This box design can make the best effect of low frequency effect, speed and density. According to the design principle of the closed box, the inside of the box is filled with 80% white fireproof sound-absorbing cotton.

Desing:Qing	Draw:Simon	Approved:Micheal
Draw No:A0	Scalie: 1:1	Date:20/04/10

Client Approved
PL-02

E610-IW **Back box**

Hole Size	Side sectional view
	
Cutaway view	Installation effect
	

Box size(WHD)：340x330x140mm
Hole Size(WHD)：φ204mm
Volume：15.8L
The thickness of the board is recommended 12-15 mm

E610-C Back box design：

E610-C Subwoofer parameters：

Revc=3.100 Ohm Fo=48.039 Hz Sd=138.930 cm Md=10.000 g BL=4.209 T Qms= 5.889 Qes= 0.587 Qts= 0.534 No= 0.494 % SPLo= 89.0 dB Vas=27.071 Ltr Cms=987.694m mm/N Mms=11.113 g

According to Dolby decoding, refer to the US THX standard, the main box and bass frequency division is 80Hz

Set the system Fb to 80Hz, it can be estimated:

Qtc = Fb/Fo x Qts

Qtc = 80/48.039x0.534

= 0.88

Speaker / speaker neck ratio:

a = (Qtc/Qts)2-1

a = (0.88/0.534) 2-1

= 1.714

Cabinet volume:

V = Vas/a

V = 27.071/1.714

= 15.8 (L)

According to the calculation principle of the closed box, Qtc satisfies 0.707-1.2 as the best design. This box design can make the best effect of low frequency effect, speed and density. According to the design principle of the closed box, the inside of the box is filled with 80% white fireproof sound-absorbing cotton.

Draw No:A0	Scalie: 1:1	Date:20/04/10
Desing:Qing	Draw:Simon	Approved:Micheal

Client Approved
PL-03

E610-C **Back box**