

Formula Sub F221

Dedicated Infra-Bass Enclosure

Push Loop Technology, All in One!

The Loud Pro Push Loop Technology represents a step forward in the lower frequency response compared to the traditional direct radiating vented box.

The double 21in. F221 Infra Bass unit, based on the Push Pull loading system combines three different technologies: Push Pull, Double Reflex Band Pass, and Horn Loading system, All in one!

This particular compound design provides exceptional low frequency response down to 22Hz along with a better sound definition reducing two times the harmonic distortion in a really compact enclosure no larger than a typical single 21in. subwoofer system.

The pair of twins 21in., in a cone to magnet isobaric configuration, act like a single driver doubling the power handling (4000 + 4000 Watts Program) with a much larger motor resulting in more control of woofer linear excursion. They also provide lower frequency response compared to a single 21in. Vented design.

At the same time the Double Reflex Band Pass system produces significant performance benefits in terms of efficiency and deepest bass extension that would not be possible in conventional designs of equal size.

Once again, the Band Pass design allows greater control over cone motion and upper low end region even reducing the harmonic distortion.

The third technology applied, Horn Loading system, combines the specified effects with the high efficiency in terms of sound pressure level of the system, giving a sensitivity of 107dB.

Very impressive low frequency extension for a massive sound impact can be produced from the extremely compact F221 enclosure.

All in one for a unique subwoofer system as you never heard before. Formula Sub F221 can be widely employed in Large Open Spaces, Arenas, Stadiums, Theaters, Conference Halls, Concert Halls and Large Scale Discos

Applications: Touring || Theatre || Congress || Club



>>> Features

- >>> Dedicated Infra/Bass enclosure
- >>> Push Loop Technology
- >>> Push Pull, Band Pass, Horn Loaded Dual 21in.
- >>> Powerful sonic impact
- >>> High Sensitivity, 106,5dB 1W@1mt
- >>> Sensational punch-bass
- >>> Extended ultra low reproduction
- >>> Interlocking Teflon sticks for safety when stacking
- >>> Single unit Skate
- >>> Four units Dolly
- >>> PCP anti-scratch Polyurea coated paint
- >>> Protection Bag

CONFIGURATION

	Transducers	Loading
LF	Dual 21in. (53cm) woofer	Push Loop Technology Push Pull, Band Pass, Horn Loaded system all in one

Operating Mode

Amplifier Channels	External Signal Processing
1: LF1 + LF2 Paralleled	Armonia or Xta DP Series

PERFORMANCE

Operating Range	25Hz to 150Hz (-10dB)	Crossover points
LF		25Hz - 90/100Hz

Nominal Bandwidth

	Ominidirectional		
Axial Sensitivity	(whole space SPL)	Max SPL cont.	Max SPL peak
LF	106.5dB 2.83V@1mt	143dB	149dB

Input Impedance

	Nominal
LF	4 ohm (2 x 8 ohm paralleled woofer)

Rated Power

	Recommended System High Pass Filter >> 25Hz, 24 dB/octave Suggested System High Pass Filter >> 30Hz, 24 dB/octave
LF	LF1 + LF2 4000 Watts AES (8000 Watts Program)

Dlments	W,H,D, (mm/in.) Weight (Kg/lbs)	In & Out Connections Description	Shell Construction Description
Widht (Front)	1250mm/49.21"	Two Neutrik NL8 speakON	Multi-laminate
Width (Rear)	1250mm/49.21"	paralleled connectors	birch ply 18/24mm
Height (Front)	620mm/24.40"	Pins 1+1- LF1 + LF2	Polyurea coated
Height (Rear)	620mm/24.40"	Pins 2+2- Thru	paint
Depth	1016mm(40")	Pins 3+3- N.A.	Perforated black
Weight	125Kg/275.57lbs	Pins 4+4- N.A.	protection grille with transparent acoustic foam

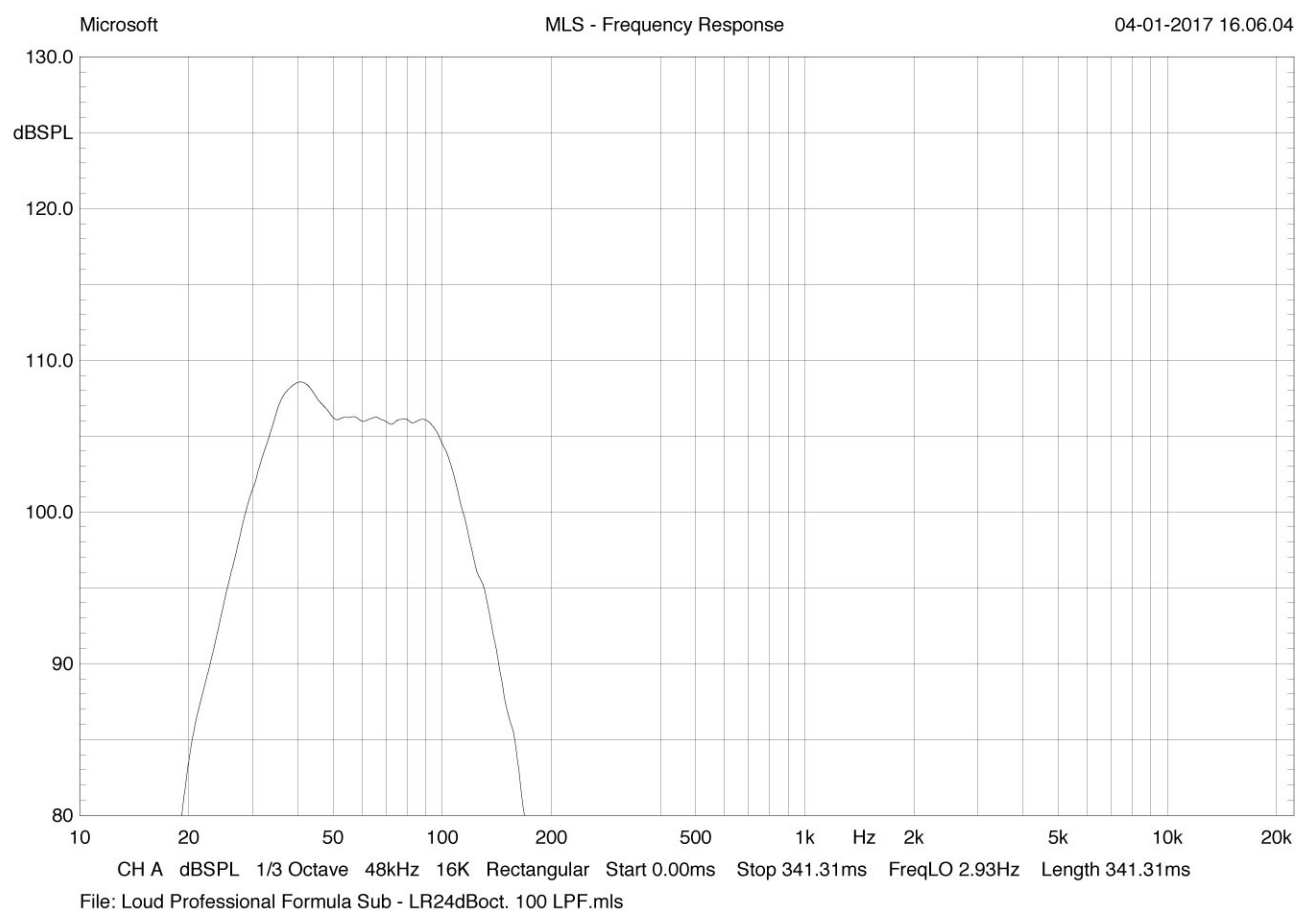


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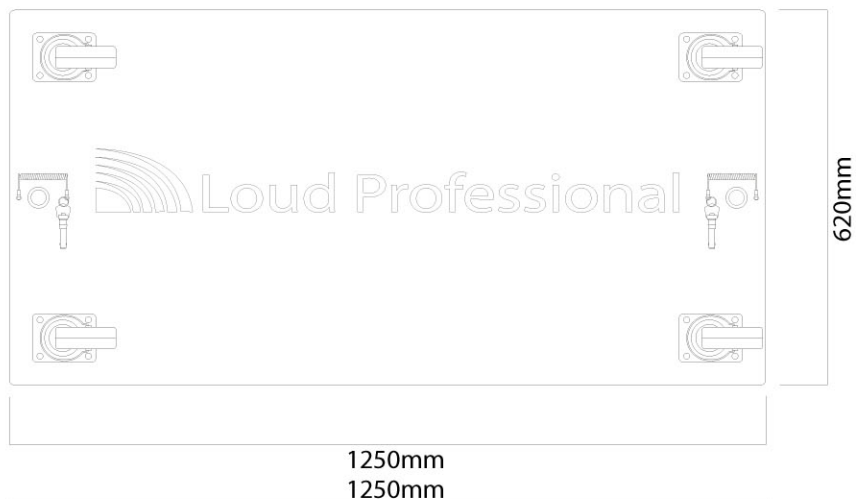
Frequency Response



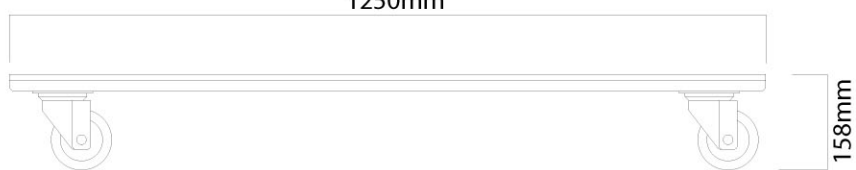
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Drawings

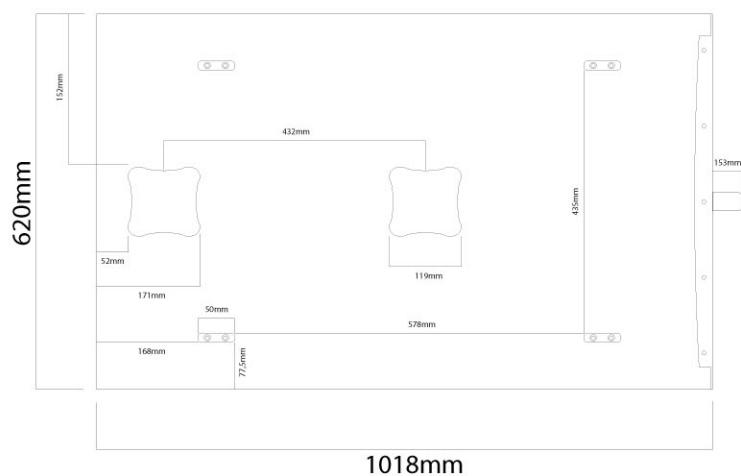
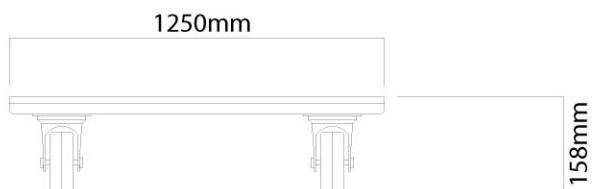
Single unit Skate
Top view



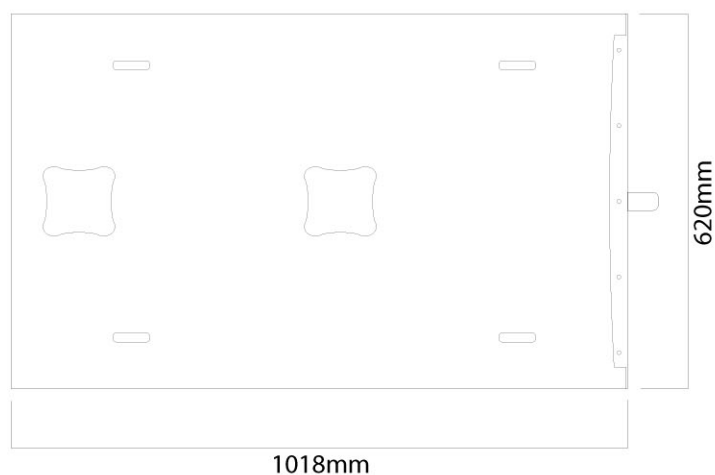
Single unit Skate
Side view



Single unit Skate
Side view



Left side view



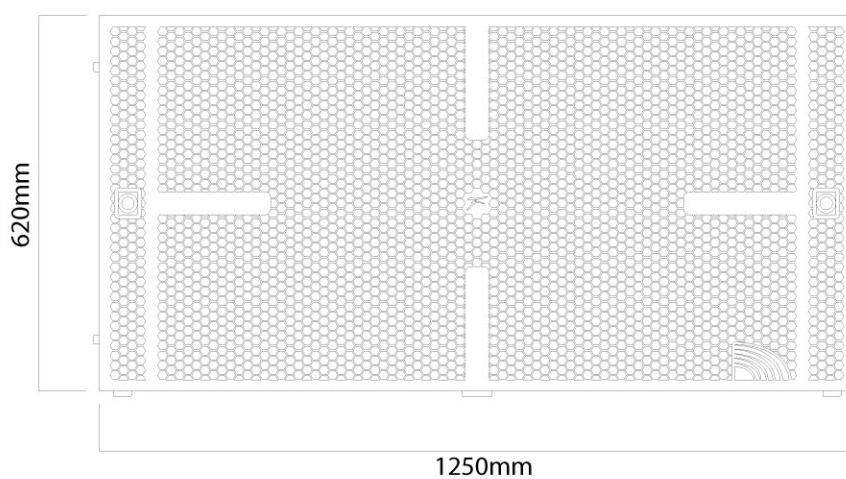
Right side view



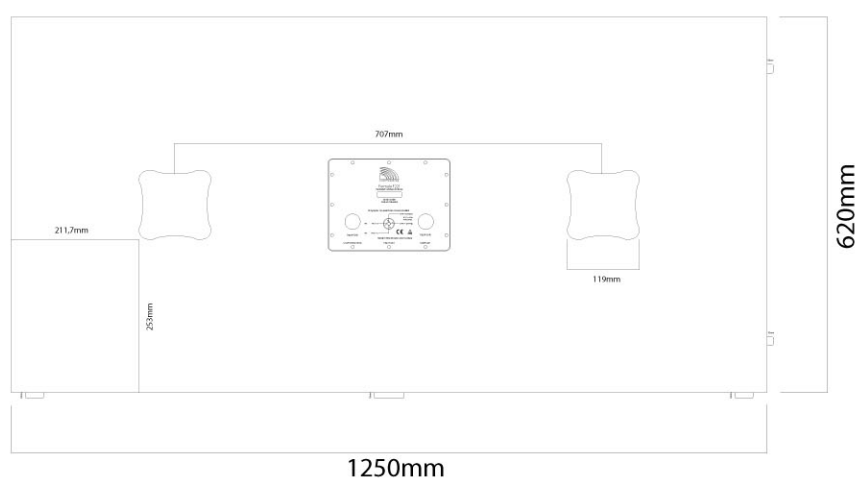
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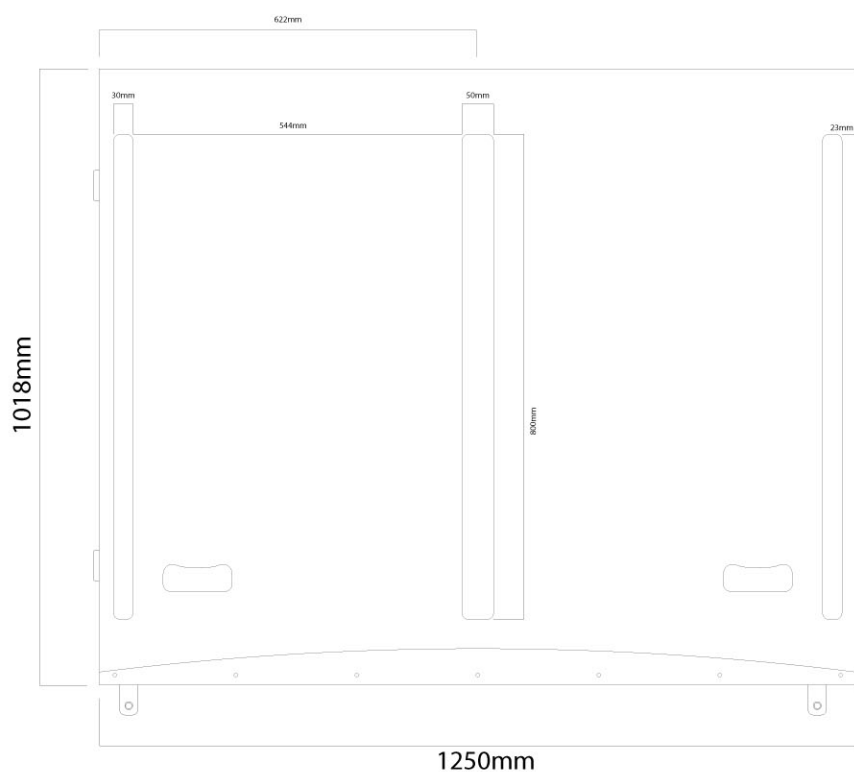
Front view



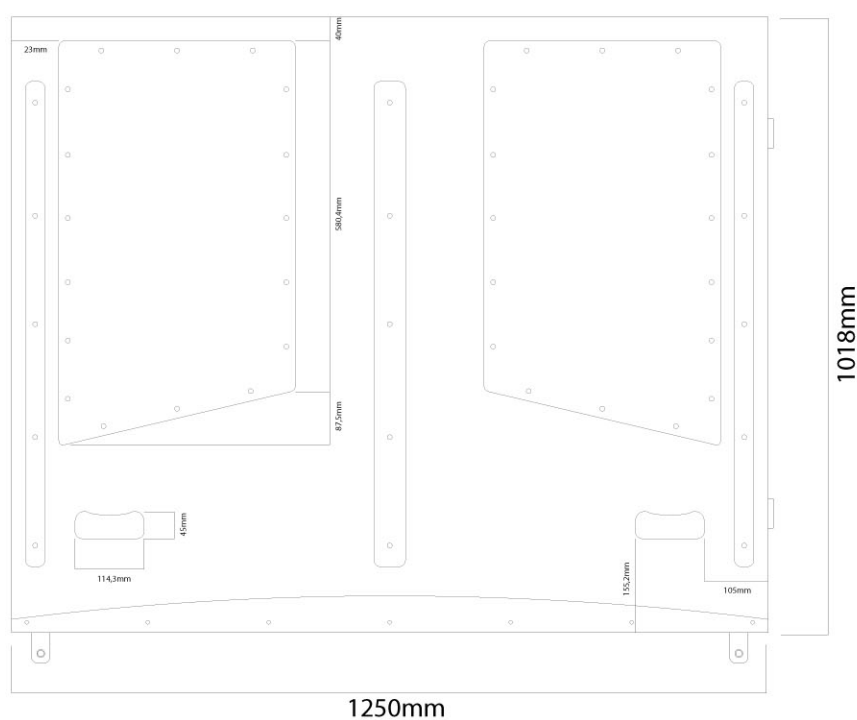
Rear view

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Drawings



Top view

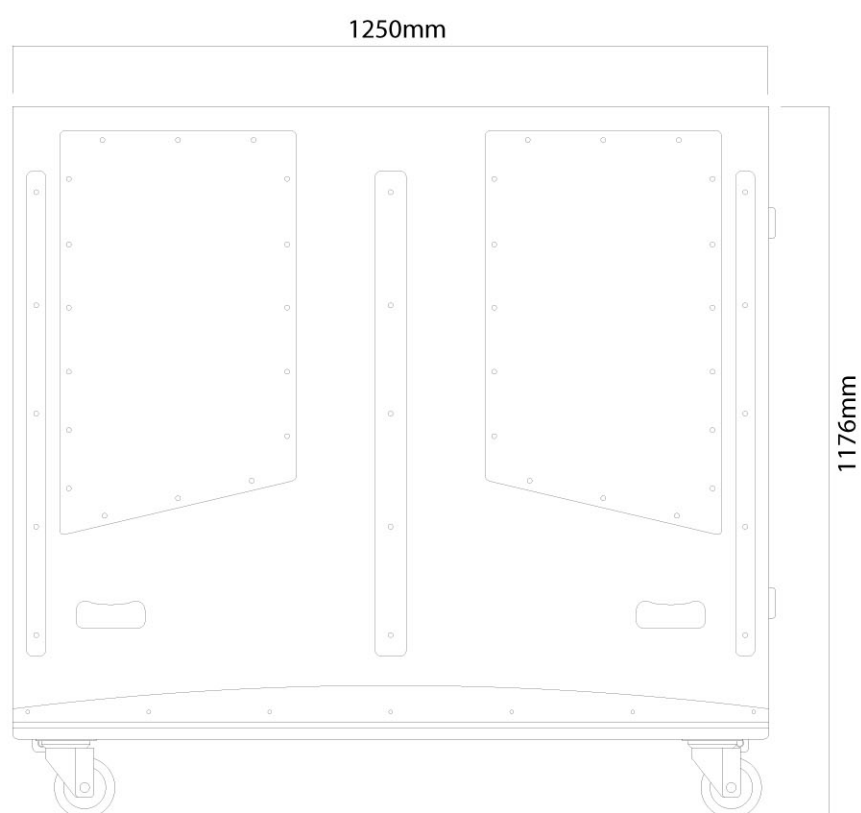


Bottom view

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Side view on Skate



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