

professional stage monitors

FLOOR SERIES



Montarbo
Made in Italy



F12P4Sx
F12P4Dx
F12P8Sx
F12P8Dx
F12BiSx
F12BiDx
F15P4Sx
F15P4Dx
F15P8Sx
F15P8Dx
F15Cx
F15CxBi



F12BiSx

F12P8Sx

The FLOOR series is the new line of Montarbo stage monitors designed to achieve on stage the same excellent sound quality provided by the FoH products, i.e. the PalcoPlus line array system as well as the Spot, Wide and Full series. The FLOOR design philosophy adheres rigorously to our 'made in Italy' standards of quality with absolutely no compromises tolerated when it comes to component selection and concern with acoustic efficiency and tonal neutrality. The results ensure outstanding accuracy when it comes to reproduction of vocals and all instruments, as well as plenty of headroom, clearly superior intelligibility and extremely low vulnerability to feedback.

The extraordinarily shallow shape, comprehensive focus on design and wide choice of models and versions make the FLOOR series suitable for any application and environment.

These stage monitors are equipped with 12" or 15" woofers and feature drivers loaded with 60° by 80° horns; they can all be driven by the PLM series powered processors.

They are available in both right (Dx) and left (Sx) versions in order to provide maximum flexibility of use and control, capable of satisfying even the most demanding sound engineers.

Other options include nominal impedance (4 ohm or 8 ohm) and crossover (internal or for bi-amplification). The models equipped with internal passive crossover are fitted with woofers featuring 3" voice coils and they have been optimized for being driven by a PLM3000 powered processor, while the models intended for bi-amplification have been fitted with woofers featuring 4" voice coils. In the latter case a PLM6800 powered processor is recommended.

Other than the asymmetrical models, the series also includes the F15Cx and F15CxBi models, both equipped with a 15" coaxial speaker fitted with a 40° by 60° horn.

Model F15CxBi has been designed for bi-amping and is driven by a PLM6800 powered processor. These monitors are extremely sturdy and suitable for touring thanks to the well-built cabinet with its curved profile which is made possible by a single piece of 16 mm multiply board.

The special anti-scratch surface coating increases resistance and protection even under conditions of hard use. The handles, recesses carved right into the speaker body itself, allow for a solid and reliable 270° grip; these strategically placed cavities also house the Speakon® connectors (installed on both sides of the cabinet), thus reducing the cabinet's bulk and providing greater protection for the connectors. In addition to the standard rubber feet, the cabinets are fitted with two adjustable feet that make it possible to optimize the angle between the monitors and the stage floor, thus allowing for better control of vertical directivity and mechanical decoupling from the stage floor, in order to control low frequency feedback.

F12P	
Available versions	4 ohm and 8 ohm with right and left versions
Woofers	12" woofer featuring a new-geometry neodymium magnetic circuit with flux demodulating rings, weatherproof cone, large excursion 3" ventilated voice coil, variable-geometry cone surround and centering spider
Driver	1" throat, 2.5" voice coil, neodymium magnet, titanium diaphragm
Horn	80° x 60° wave guide
Filter	Second-order Bessel type crossover, without resonant cells, with protection against HF driver overload
Max SPL	130 dB
Output power	400 Watt AES - 750 Watt continuous program
Ideal combination with	PLM3000
Cabinet	Multiply birch, curved profile, anti-scratch surface coating
Dimensions (w x h x d)	60 x 30 x 49 cm
Weight	21 kg
Suggested applications	voice, guitar, keyboard, percussions

F12Bi	
Available versions	8 ohm LF + 16 ohm HF with right and left versions
Woofers	12" neodymium magnet, 4" voice coil
Driver	1.4" throat, 3" voice coil, neodymium magnet, nitrided titanium diaphragm
Horn	rotatable 80° x 60° wave guide
Max SPL	131 dB
Output power	800 + 100 Watt AES - 1600 + 200 Watt continuous program
Only use with	PLM6800 (or LM24) dedicated preset
Cabinet	Multiply birch, curved profile, anti-scratch surface coating
Dimensions (w x h x d)	66 x 30 x 49 cm
Weight	23.5 kg
Suggested applications	voice, guitar, keyboard, percussions, bass, drums

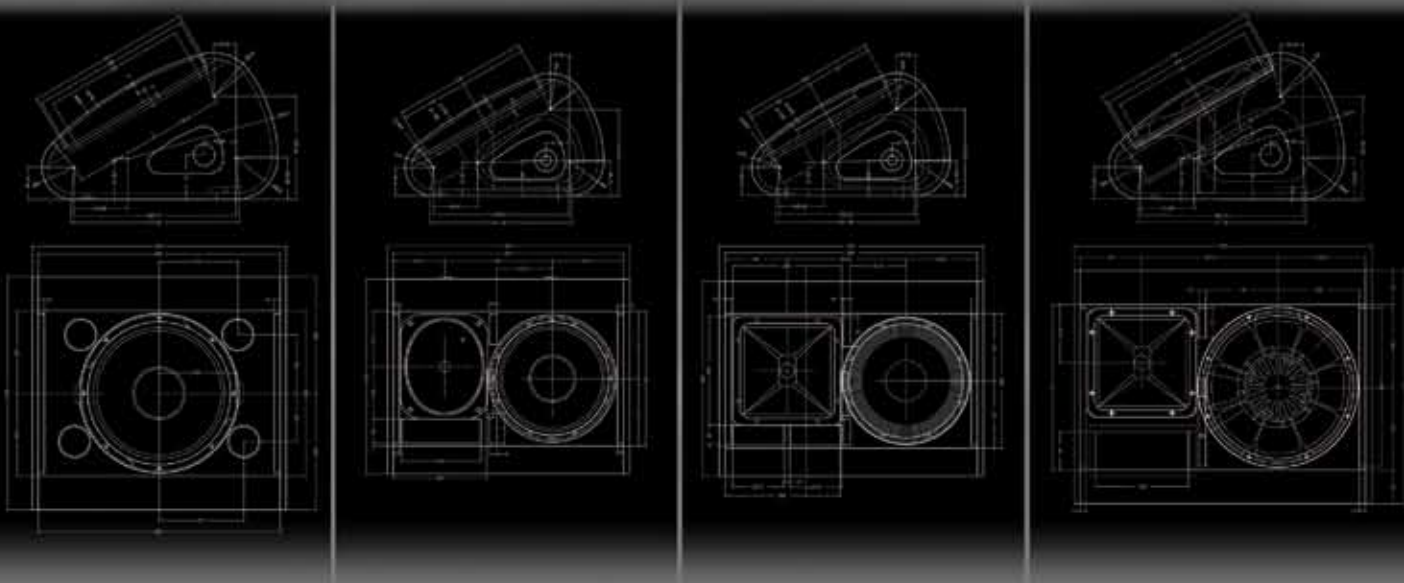
F15P	
Available versions	4 ohm and 8 ohm with right and left versions
Woofers	15" woofer featuring a new-geometry neodymium magnetic circuit with flux demodulating rings, weatherproof cone, large excursion 3" ventilated voice coil, variable-geometry cone surround and centering spider
Driver	1" throat, 2.5" voice coil, neodymium magnet, titanium diaphragm
Horn	rotatable 80° x 60° wave guide
Filter	built-in passive
Max SPL	132 dB
Output power	400 Watt AES - 750 Watt continuous program
Ideal combination with	PLM3000
Cabinet	Multiply birch, curved profile, anti-scratch surface coating
Dimensions (w x h x d)	74 x 37 x 58 cm
Weight	26 kg
Suggested applications	voice, percussions, bass, drums

F15Cx	
Impedance	8 ohm
Woofers	15", 3" voice coil
Driver	3" voice coil, 60° x 40° coaxial horn
Max SPL	131 dB
Output power	400 Watt AES - 750 Watt continuous program
Filter	built-in passive
Only use with	PLM6800 (or LM24) dedicated preset
Cabinet	Multiply birch, curved profile, anti-scratch surface coating
Dimensions (w x h x d)	63 x 37 x 58 cm
Weight	22 kg
Suggested applications	voice, guitar, keyboard, percussions, bass

F15CxBi	
Impedance	8 ohm LF + 16 ohm HF
Woofers	15", 4" voice coil.
Driver	3" voice coil (dispersion 70° conical)
Max SPL	133 dB
Output power	850 + 100 Watt AES - 1600 + 200 Watt continuous program
Only use with	PLM6800 (or LM24) dedicated preset
Cabinet	Multiply birch, curved profile, anti-scratch surface coating
Dimensions (w x h x d)	63 x 37 x 58 cm
Weight	26 kg
Suggested applications	voice, guitar, keyboard, percussions, bass



MODEL	Impedance	Asymmetrical	Suggested PLM	Lines Max Number	PROCESSOR
F12P4Sx	4 ohm	Left	PLM3000	4 (4)	suggested
F12P4Dx	4 ohm	Right	PLM3000	4 (4)	suggested
F12P8Sx	8 ohm	Left	PLM3000	8 (4)	required
F12P8Dx	8 ohm	Right	PLM3000	8 (4)	required
F12BiSx	8 + 16 ohm	Left	PLM6800	4 (2)	required
F12BiDx	8 + 16 ohm	Right	PLM6800	4 (2)	required
F15P4Sx	4 ohm	Left	PLM3000	4 (4)	suggested
F15P4Dx	4 ohm	Right	PLM3000	4 (4)	suggested
F15P8Sx	8 ohm	Left	PLM3000	8 (4)	required
F15P8Dx	8 ohm	Right	PLM3000	8 (4)	required
F15Cx	8 ohm	Symmetrical	PLM3000	8 (4)	required
F15CxBi	8 + 16 ohm	Symmetrical	PLM6800	4 (2)	required



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F15Cx
F15CxBi



F12BiSx

F12P8Sx

La serie Floor è la nuova linea di stage monitor Montarbo, progettata per ottenere sul palco la stessa qualità sonora dei prodotti FoH come il sistema line array PalcoPlus e le serie Spot, Wide e Full. La filosofia di progetto si attiene rigorosamente allo standard di qualità Made in Italy, con la scelta senza compromessi della componentistica, e la grande attenzione all'efficienza e alla neutralità timbrica. Ne risultano grande accuratezza nella riproduzione della voce e di tutti gli strumenti, ampia headroom, eccezionale intelligibilità e ridottissima tendenza al feedback.

Lo shape estremamente basso, l'estetica ricercata in ogni particolare e l'ampia gamma di modelli e versioni, rendono la serie Floor adeguata ad ogni utilizzo ed ambiente.

Questi stage monitor nascono equipaggiati di woofer da 12" o da 15" e di driver le cui trombe hanno dispersione 60° x 80°, e sono tutti pilotabili dagli amplificatori della serie PLM.

Sono disponibili nelle versioni destro (Dx) e sinistro (Sx) per consentire estrema flessibilità di utilizzo e controllo ai fonici più esigenti. È inoltre possibile scegliere tra versioni a 4 ohm e a 8 ohm, sia dotate di filtro passivo che per l'uso in biamplificazione. I modelli con crossover passivo montano woofer con bobina da 3" e nascono prevalentemente per essere pilotati dal processore amplificato PLM3000, i modelli biamplificabili montano woofer con bobina da 4" e con essi è particolarmente indicato l'uso del processore amplificato PLM6800.

Oltre ai modelli asimmetrici appartengono alla serie i modelli F15Cx e F15CxBi entrambi equipaggiati di un woofer da 15" coassiale la cui tromba ha una dispersione di 40° x 60°. F15CxBi è stato progettato per l'utilizzo in biamplificazione accoppiato al processore amplificato PLM6800.

La robustezza del cabinet, dal profilo curvo e costruito con un unico foglio di multistrato di 16 mm, rende questi monitor estremamente robusti ed adatti al touring.

La speciale finitura antigraffio ne aumenta la resistenza e la protezione nell'uso intenso.

La maniglia, scolpita interamente nel legno, permette una presa solida e sicura a 270° e contiene, proteggendole e minimizzandone l'ingombro, le connessioni Speakon® presenti su entrambi i lati della cassa. In aggiunta ai tradizionali piedini di appoggio, sono presenti due piedini regolabili che permettono al fonico di ottimizzare l'angolo tra monitor e palco per una copertura in verticale controllabile in ogni situazione e per un disaccoppiamento meccanico tra box e palco, utile al controllo dei larsen in bassa frequenza.

F12P	
Disponibile	4 ohm e 8 ohm con versioni destro e sinistro.
Woofer	12" con magneti al neodimio, cono weatherproof, bobina da 3" ad alta escursione, con anelli demodulanti, sospensioni meccaniche e centratori a geometria variabile, sistemi di ventilazione delle bobine e nuove geometrie di magneti
Driver	gola da 1", bobina da 2,5", magnete al neodimio e membrana in titanio
Tromba	80° x 60° a guida d'onda
Filtro	crossover, Bessel del 2° ordine, privo di celle risonanti e con sistema di protezione da sovraccarichi del driver
Max SPL	130 dB
Potenza	400 Watt AES - 750 Watt continuous program
Abbinamento ideale	PLM3000
Cabinet	Multistrato di betulla curvo con verniciatura antigraffio
Dimensioni (l x h x p)	60 x 30 x 49 cm
Peso	21 kg
Utilizzi suggeriti	voce, chitarra, tastiere, percussioni

F12Bi	
Disponibile	8 ohm LF + 16 ohm HF con versioni destro e sinistro
Woofer	12" con magneti al neodimio, bobina da 4"
Driver	gola da 1,4", bobina da 3", magnete al neodimio e membrana in titanio nitrato
Tromba	ruotabile 80° x 60° a guida d'onda
Max SPL	131 dB
Potenza	800 + 100 Watt AES - 1600 + 200 Watt continuous program
Utilizzabile UNICAMENTE	con preset dedicato su PLM6800 (o LM24)
Cabinet	Multistrato di betulla curvo con verniciatura antigraffio
Dimensioni (l x h x p)	66 x 30 x 49 cm
Peso	23,5 kg
Utilizzi suggeriti	voce, chitarra, tastiere, percussioni, basso, batteria

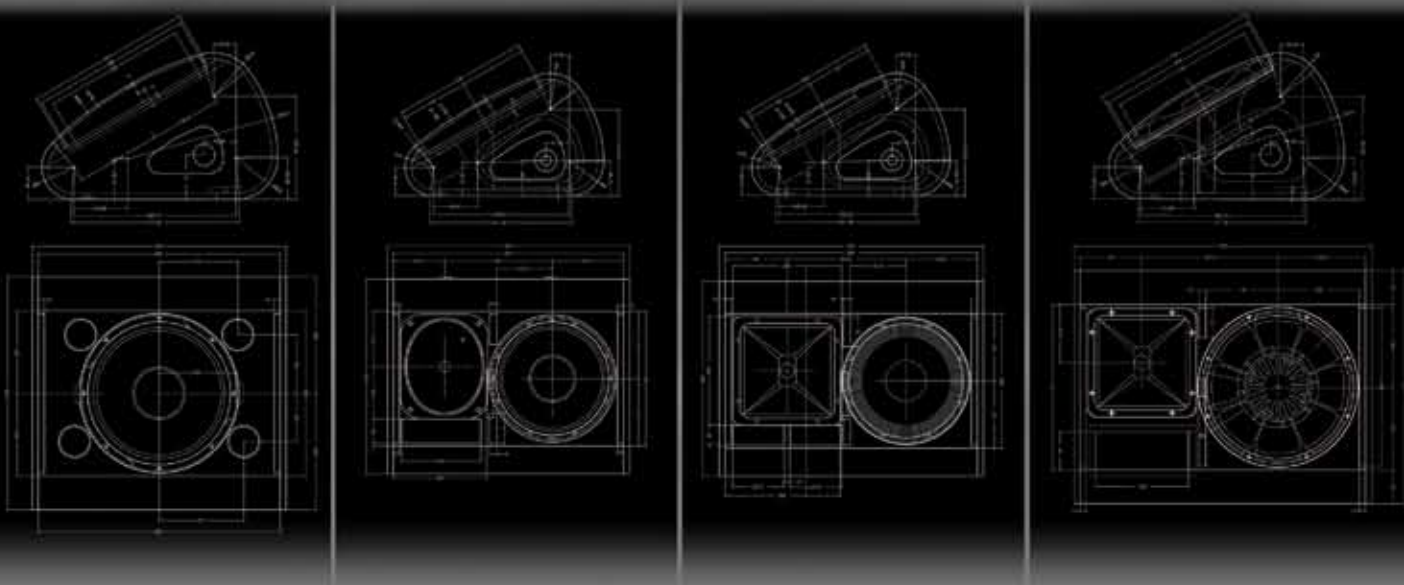
F15P	
Disponibile	4 ohm e 8 ohm con versioni destro e sinistro
Woofer	15" con magneti al neodimio, cono weatherproof e bobina da 3" ad alta escursione, con anelli demodulanti, sospensioni meccaniche e centratori a geometria variabile, sistemi di ventilazione delle bobine e nuove geometrie di magneti
Driver	gola da 1", bobina da 2,5", magnete al neodimio e membrana in titanio
Tromba	ruotabile 80° x 60° a guida d'onda
Filtro	passivo interno che permette di non usare processori (comunque consigliati)
Max SPL	132 dB
Potenza	400 Watt AES - 750 Watt continuous program
Abbinamento ideale	PLM3000
Cabinet	Multistrato di betulla curvo con verniciatura antigraffio
Dimensioni (l x h x p)	74 x 37 x 58 cm
Peso	26 kg
Utilizzi suggeriti	voce, percussioni, basso, batteria

F15Cx	
Impedenza	8 ohm
Woofer	15", bobina da 3"
Driver	bobina da 3", con tromba 60° x 40° coassiale al woofer
Max SPL	131 dB
Potenza	400 Watt AES - 750 Watt continuous program
Filtro	passivo interno
Utilizzabile UNICAMENTE	con preset dedicato su PLM3000 (o LM24).
Cabinet	Multistrato di betulla curvo con verniciatura antigraffio
Dimensioni (l x h x p)	63 x 37 x 58 cm
Peso	22 kg
Utilizzi suggeriti	voce, chitarra, tastiere, percussioni, basso

F15CxBi	
Impedenza	8 ohm LF + 16 ohm HF
Woofer	15", bobina da 4"
Driver	bobina da 3" dispersione 70° conici
Max SPL	133 dB
Potenza	850 + 100 Watt AES - 1600 + 200 Watt continuous program
Utilizzabile UNICAMENTE	con preset dedicato su PLM6800 (o LM24)
Cabinet	Multistrato di betulla curvo con verniciatura antigraffio
Dimensioni (l x h x p)	63 x 37 x 58 cm
Peso	26 kg
Utilizzi suggeriti	voce, chitarra, tastiere, percussioni, basso



MODELLO	IMPEDENZA	ASIMMETRICO	PLM CONSIGLIATI	NUM. MAX (linee)	PROCESSORE
F12P4Sx	4 ohm	Sinistro	PLM3000	4 (4)	consigliato
F12P4Dx	4 ohm	Destro	PLM3000	4 (4)	consigliato
F12P8Sx	8 ohm	Sinistro	PLM3000	8 (4)	necessario
F12P8Dx	8 ohm	Destro	PLM3000	8 (4)	necessario
F12BiSx	8+16 ohm	Sinistro	PLM6800	4 (2)	necessario
F12BiDx	8+16 ohm	Destro	PLM6800	4 (2)	necessario
F15P4Sx	4 ohm	Sinistro	PLM3000	4 (4)	consigliato
F15P4Dx	4 ohm	Destro	PLM3000	4 (4)	consigliato
F15P8Sx	8 ohm	Sinistro	PLM3000	8 (4)	necessario
F15P8Dx	8 ohm	Destro	PLM3000	8 (4)	necessario
F15Cx	8 ohm	Simmetrico	PLM3000	8 (4)	necessario
F15CxBi	8+16 ohm	Simmetrico	PLM6800	4 (2)	necessario



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