

SUB *SPL Monster* WOOFER

M 12 UNLIMITED 8000 W

Technical Specifications

Component	SPL Dual Coil Subwoofer	
Size	mm	300 (12")
Power Handling	W peak	8000
	W continuous	2000
Impedance	Ω	1.2 + 1.2
Frequency response	Hz	32 ÷ 1000
Sensitivity	dB/SPL	95
Outer \varnothing	mm	324
Mounting \varnothing	mm	280
Total depth	mm	229
Mount. depth	mm	192
Total driver displacement	l	7,1
Magnet size	mm	230
Weight of one speaker	kg	19,8
Voice coil \varnothing	mm	75
Magnet	Double magnet, High density flux ferrite	
Cone	Non-pressed Paper Cone	
X-mech*	mm	28

*X-mech maximum mechanical excursion: it indicates the motion range in the speaker linear functioning area, in both ways.

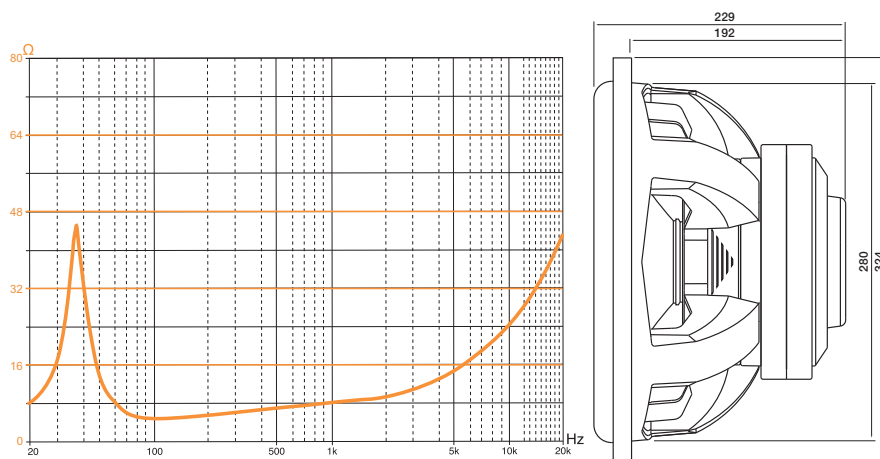


1. High thermal dissipation and magnetic permeability plates, provide constant, even flux.
2. Large double magnet, for perfect control under high power, very high excursion conditions for top SPL performance.
3. Aluminium voice coil wound on four layer former, for unheard of thermal and mechanical capacity.
4. Back plate vent holes, for optimal thermal dissipation.
5. Back Vented Spider support, for perfect symmetry under high excursion while providing increased thermal dissipation.
6. DSS: Double Symmetrical Spider system.
7. RMA: easily Removable Moving Assembly.
8. Internally reinforced basket, protected from abrasions with high resistance paint.
9. Connections ending with high current cables (8 AWG).
10. Tinned lead wires are integrated into the spider, for maximum reliability and conductivity.
11. Basket and motor are coupled and damped through special epoxy glue.
12. Wide-wave, resin-bonded fibre spider, for consistent parameters and mechanical consistency.
13. High density foam surround, for linear movement even under extreme excursion.
14. Water-repellent, non-pressed paper cone.

Electro-Acoustic Parameters *

D	mm	245
Xmax	mm	10
Re	Ω	2,1
Fs	Hz	39
Le	mH@1kHz	1,16
Le	mH@10kHz	0,38
Vas	l	21,70
Mms	g	236,7
Cms	mm/N	0,07
BL	T-m	21,58
Qts		0,25
Qes		0,26
Qms		5,08
Spl (1m/2,83V)	dB	95

*Coils in series



SPL Monster

SPL Monster, pressure and supernatural power

The Elettromedia R&D experience, combined with the use of the most advanced technologies, enabled the Hertz team to build subwoofers and amplifiers with explosive SPL performance. With its three products, the SPL Monster line creates impressive sound pressure and power. Our promise is your reality! The SPL Monster products were designed according to the specific needs of those teams who take part in SPL competitions. For this reason the product will undergo continued modifications and upgrades, according to the valuable feedback of our customers.

MP 15K UNLIMITED



Direct Current® - The **MP 15K UNLIMITED** amplifier features an innovative supply connection system resulting in absolute performance, conquering the competition! **Direct Current®** transfers power between the battery and amplifier with very low contact resistance found in the terminal blocks of traditional designs. 4 x 1/0 AWG cables are terminated with ring terminals on the supply side and secured to the amplifier with 4 x 2,5 mm thick copper buss bars connected directly to the printed circuit board. **Direct Current®** is fundamental to achieve the current transfer required for high SPL systems.



Hertz SPL Stack System® simplifies the stacking of multiple **MP 15K UNLIMITED** amps, achieving an SPL system capable of over 30.000 W, beyond your imagination!

Thanks to threaded mounting points on the heatsink of the amplifier, and the 6 supplied 2 mm thick iron **Bracket**, two **MP 15K UNLIMITED** amplifiers can be stacked, then two more, then two more... or as many as your vehicle and speakers can handle!

M 12 UNLIMITED Mobile Group

		Cone	DSS	Nominal Impedance Ω	X-mech mm	D mm	Xmax mm	Re Ω	Fs Hz	Le mH@1kHz	Le mH@10kHz	Vas l	Mms g	Cms mm/N	BL T-m	Qts	Qes	Qms	Spl dB
MG 12 2x1.2s2	NPP* Mob. Group	Paper Cone	2 spiders	1.2 + 1.2	28	245	10	2,1	39	1,16	0,38	21,70	236,7	0,07	21,58	0,25	0,26	5,08	95
MG 12 2x1.0s2	KEV Mob. Group	Kevlar sandwich	2 spiders	1.0 + 1.0	25,5	245	7,5	1,9	44	1,00	0,33	16,90	246,2	0,05	19,71	0,30	0,32	5,16	95
MG 12 2x1.0s4	KEV Mob. Group	Kevlar sandwich	4 spiders	1.0 + 1.0	25,5	245	7,5	1,9	62	1,00	0,33	8,30	261,6	0,03	20,39	0,44	0,48	6,80	94,5
MG 12 2x1.5s2	KEV Mob. Group	Kevlar sandwich	2 spiders	1.5 + 1.5	26,5	245	8,5	2,8	43	1,30	0,42	19,40	237,8	0,06	23,38	0,30	0,32	5,00	93,5
MG 12 2x1.5s4	KEV Mob. Group	Kevlar sandwich	4 spiders	1.5 + 1.5	26,5	245	8,5	2,8	63	1,30	0,42	7,90	262,0	0,02	23,81	0,49	0,52	6,75	92,5

*Gruppo mobile montato di serie
Factory mobile group

*Bobine in serie
Coils in series

M 15 UNLIMITED Mobile Group

		Cone	DSS	Nominal Impedance Ω	X-mech mm	D mm	Xmax mm	Re Ω	Fs Hz	Le mH@1kHz	Le mH@10kHz	Vas l	Mms g	Cms mm/N	BL T-m	Qts	Qes	Qms	Spl dB
MG 15 2x1.2s2	NPP* Mob. Group	Paper Cone	2 spiders	1.2 + 1.2	28	320	10	2,1	36	1,14	0,38	61,00	295,3	0,07	21,87	0,28	0,29	5,38	98
MG 15 2x1.0s2	KEV Mob. Group	Kevlar sandwich	2 spiders	1.0 + 1.0	25,5	320	7,5	1,9	42	1,00	0,33	48,10	268,8	0,05	19,95	0,32	0,35	5,61	98,5
MG 15 2x1.0s4	KEV Mob. Group	Kevlar sandwich	4 spiders	1.0 + 1.0	25,5	320	7,5	1,9	61	1,00	0,33	20,00	309,7	0,02	20,68	0,49	0,53	6,85	97,5
MG 15 2x1.5s2	KEV Mob. Group	Kevlar sandwich	2 spiders	1.5 + 1.5	26,5	320	8,5	2,8	43	1,30	0,42	47,10	265,7	0,05	23,36	0,34	0,36	5,23	97
MG 15 2x1.5s4	KEV Mob. Group	Kevlar sandwich	4 spiders	1.5 + 1.5	26,5	320	8,5	2,8	60	1,30	0,42	21,20	304,7	0,02	24,37	0,49	0,54	6,50	96

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Coils in series

RMA - Removable Moving Assembly

The innovative **RMA (Removable Moving Assembly)** provides the ability to replace the entire mobile assembly in few seconds, without removing the speaker from its mounting position, choosing the one configuration appropriate to your needs. The available mobile assemblies differ in the typology of the spiders, cone material and voice coil impedance: letting you choose the one which is most effective for your system design, and ultimately the highest SPL scores!

