

Model: M210S4

Type: Marine 10" Subwoofer

Power Rating: 200 Watts

Impedance: 4 ohms

Freq. Response: 40 - 250 Hz



Features

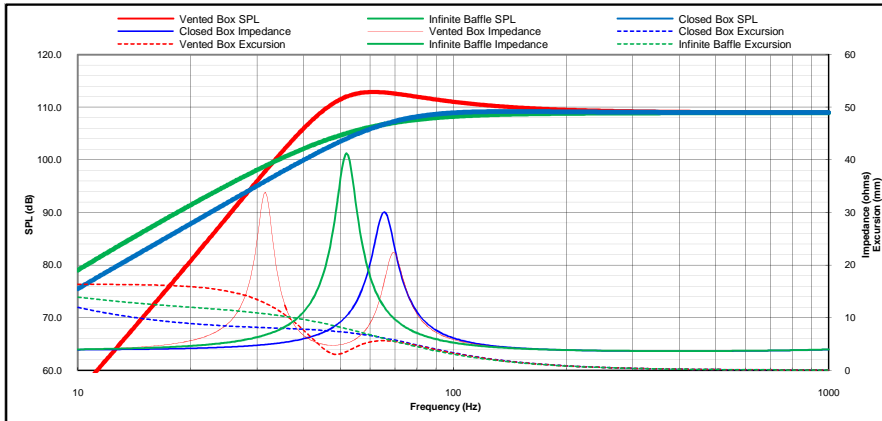
- True Marine Grade Compliance.
- 100% UV stable Centrex™ injection molded plastic parts.
- Injection molded mineral filled polypropylene cone body with UV inhibitors.
- UV & Salt-Fog resistant TPE (Thermo-Plastic Elastomer) surround.
- 1" (25mm) bridge mounted component grade coated aluminum alloy tweeter.
- 18 AWG Corrosion resistant removable Stainless Steel grill cover insert.
- Ultra-flexible fully insulated silicone lead wire.
- Proprietary corrosion resistant spring loaded push terminals.
- Moisture, tear and fatigue resistant aramid fiber spider.
- Linear high excursion matched motor magnetics and suspension design.
- Integrated Magnetic Shielding
- Removable trim ring/grill options. Available Black & White color options.

An IB enclosure design represents an application where the compliance of the air volume within the enclosure is greater than the compliance of the speaker's suspension (Vas). An infrasonic filter is required for reliable performance in vented and infinite baffle designs.

Recommended Applications

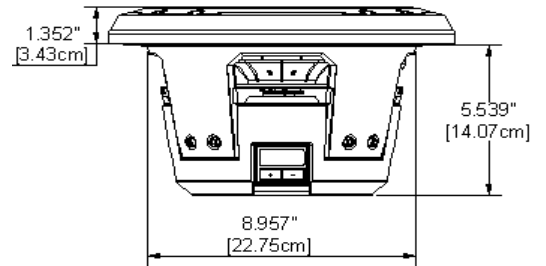
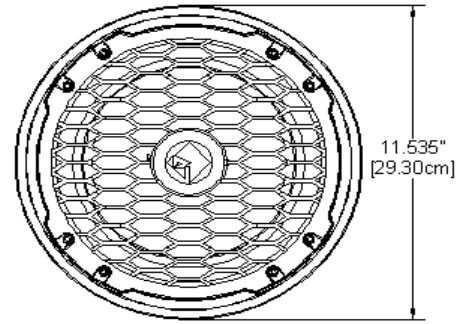
Enclosure	Volume (Vb)		Tuning(Fb) Hz	System (Qtc)	-3dB (F3) Hz	Port Dia.		Port Length	
	Liters	cu.ft.				in.	mm	in.	mm
Sealed:	21.2	0.75	60.3	0.77	60.6	-	-	-	-
Inf. Baffle:			57.5	0.63	58.0	-	-	-	-
Vented:	35.4	1.25	48.6	-	40.0	4	101.6	8.52	216.5

SPL & Excursion (@100 Watts) - Impedance (@1 Watt)



Technical Specifications

Voice Coil Diameter:	1.95	49.53	inches mm
Voice Coil Height:	0.98	24.9	inches mm
Voice Coil Layers:	4		layers
Magnetic Gap Height:	0.315	8.0	inches mm
Linear Excursion, pk-pk (Xmax):	0.665	16.9	inches mm
Maximum Excursion, pk-pk:	1.89	48.0	inches mm
Magnet Weight:	54.4	1.54	oz. kg
Woofer Displacement:	4.35	0.154	liters cubic ft.
Net Weight:	12.3	5.6	lbs. kg
Power Rating:	200	400	RMS Peak



Thiele-Small Specifications

- Fs (Hz): 45
- Re (Ohms): 3.6
- Le (mH): 0.3
- Qts: 0.57
- Qes: 0.64
- Qms: 9.00
- Cms (mm/N): 0.119
- Vas (L): 20.2
- Mms (g): 105
- Mmd (g): 101
- Rms (kg/s): 3.3
- Airload (g): 3.7
- No (%): 0.28
- SPL (dB - 1W/1M): 86.0
- BL (T*M): 13.1
- *Xmax₁₀ (mm): 10.0
- Sd (cm²): 346
- EBP: 70
- Krm (mOhms): 0.7
- Erm: 0.82
- Kxm (mH): 4.1
- Exm: 0.73
- Rem (Ohms): 1.86
- Vd(cm³): 346

* All parameters are derived using a laser velocity measurement method and verified with actual measured Mmd and Re. All dual voice coil models are wired in series. Xmax₁₀ represents actual effective excursion at <10% THD.

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