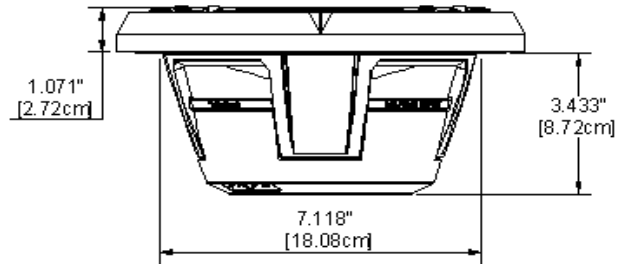
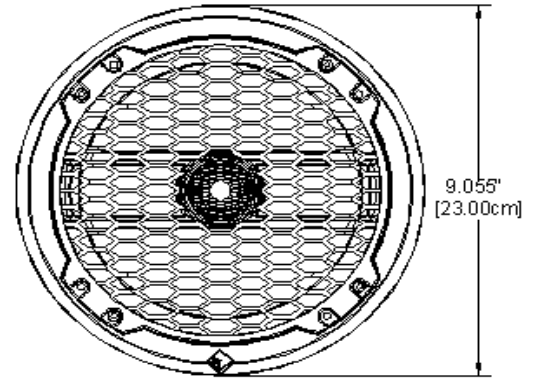


Model: M282/M282B

Type: Marine 8" 2-way Speaker

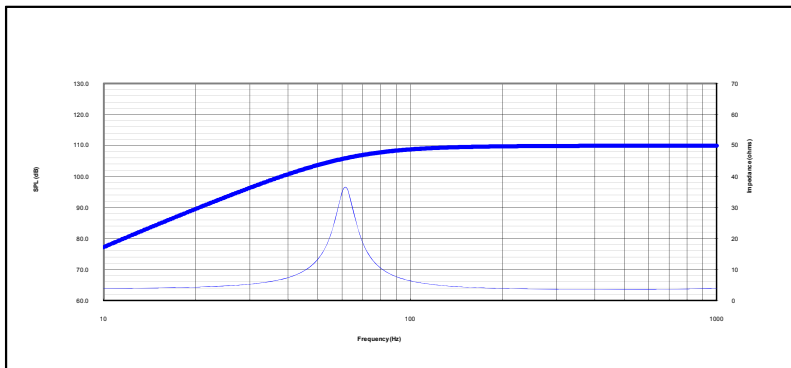
Power Rating: 100 Watts

Impedance: 4 ohms

Features

- True Marine Grade Compliance.
- UV stable Centrex™ 814 injection molded plastic parts.
- Corrosion resistant gold plated polarized input terminals.
- 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.
- Fully insulated flex lead wire stitched under spider.
- Spare terminal set for optional additional tweeters
- Moisture, tear and fatigue resistant aramid fiber spider.
- Linear, high excursion matched motor magnetics and suspension design.
- Integrated 6/12 dB per octave sealed crossover.
- Removable trim ring/grill options

Recommended Applications

Enclosure	Volume (Vb)		Tuning(Fb)	System (Qtc)	-3dB (F3) Hz	Port Dia.		Port Length	
	Liters	cu.ft.	Hz			in.	mm	in.	mm
Inf. Baffle:	56.6	2.00	69.2	0.67	69.7	-	-	-	-
Sealed:	10.6	0.38	61.4	1.16	62.0	-	-	-	-

SPL (Near Field) & Impedance

SPL (Far Field)
Thiele-Small Specifications

- Fs (Hz): 50
- Re (Ohms): 3.50
- Le (mH): 0.3
- Qts: 0.53
- Qes: 0.57
- Qms: 8.00
- Cms (mm/N): 0.45
- Vas (L): 30.0
- Mms (g): 22.7
- Mmd (g): 20.7
- Rms (kg/s): 0.9
- Airload (g): 2.0
- No (%): 0.64
- SPL (dB - 1W/1M): 90.0
- BL (T*M): 6.6
- *Xmax₁₀ (mm): 8.0
- Sd (cm²): 232
- EBP: 87
- Krm (mOhms): 0.7
- Erm: 0.82
- Kxm (mH): 4.1
- Exm: 0.73
- Rem (Ohms): 1.86

* 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.

Technical Specifications

Voice Coil Diameter:	1.27	32.334	inches mm
Voice Coil Height:	0.79	20.0	inches mm
Voice Coil Layers:	2		layers
Magnetic Gap Height:	0.24	6.0	inches mm
Linear Excursion, pk-pk (Xmax):	0.55	14.0	inches mm
Maximum Excursion, pk-pk:	0.94	24.0	inches mm
Magnet Weight:	21.2	0.60	oz. kg
Woofers Displacement:	1.5	0.053	liters cubic ft.
Net Weight:	4.62	2.1	lbs. kg
Power Rating:	100	200	RMS Peak