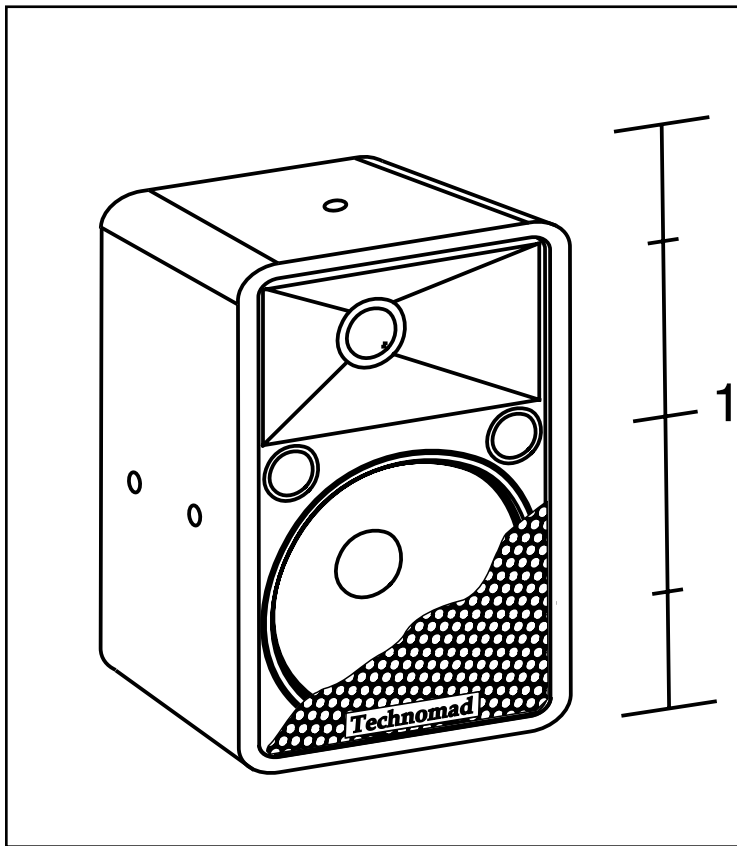


The Vernal 15

MP Series

Ultra-Compact, 2-Way Full-Range All Environment Loudspeaker System



Superb audio quality

High-SPL, horn-loaded 1" HF driver

Fully weatherproof construction

Optional multi-tap 70-volt transformer

Molded-in colors will not crack or fade

Comprehensive warranty: 10 year cabinet, 5 year hardware, 2 year electronics

1/4-20 T-Nut flypoints, all sides

Two rear 1/4-20 T-Nuts for bracket mounting

Three layer, chemically treated, WeatherTech™ grill

Twelve (12) optional cabinet colors

Self-draining cabinet design

Mil-Spec 810E compliant

Unrivalled projection in the ultra-compact loudspeaker class

One-piece 3/8" thick molded cabinet

The smallest of the MP Series of loudspeakers, the Vernal 15 is the perfect loudspeaker for any application where ultra-compact size and powerful full-spectrum sound are required. No other ultra-compact loudspeaker can rival the sensitivity and power-handling of the Vernal 15.

The Vernal 15 features a true horn-loaded high frequency driver, resulting in much better throw and vocal intelligibility in high ambient noise environments than any dome-tweeter loaded loudspeaker. Only the highest-quality metalized polypropylene capacitors and heavy gauge inductors are used in Technomad networks, minimizing insertion loss and producing smooth response throughout the operating bandwidth.

The Vernal 15 was designed for maximum flexibility and ease of use. Developed with the needs of contractors in mind, the Vernal 15 incorporates a wide range of mounting options. Threaded 1/4-20 inserts on each side allow easy suspension. The Vernal 15 has two 1/4-20 inserts on the back of the cabinet which are compatible with a wide range of wall-mounting brackets including models from Omnimount™, APC™, and Quik-Lok™. The Vernal is

also compatible with Bose™ mounting hardware.

The Vernal 15 is extremely weather resistant. Both the rubber-surround polypropylene mid/bass driver and the high-frequency ceramic driver offer excellent performance in even the most severe weather conditions. The three layer WeatherTech™ grill system sheds water off of the loudspeaker before it can penetrate to the components and all internal assemblies are treated to prevent damage by any moisture which gets past the grill. Rust is never a problem as all external hardware, including the grill, is black stainless steel. Technomad cabinets are cast from Mil-Spec polyethylene, carry a 10-year warranty and are self-draining. From the inside out, every part of every Technomad loudspeaker is designed to provide optimum performance in even the worst conditions.

Combining excellent sound reproduction with high power-handling in an architecturally neutral cabinet, the Vernal 15 is used worldwide in applications such as resorts, theme parks, restaurants, residences, and cruise ships.

Technomad
THE TOUGHEST LOUSPEAKERS IN THE WORLD

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Specifications

Vernal 15

Audio Specifications

Frequency Response	70Hz- 20kHz (+/- 2 dB)
	55Hz- 20kHz (+/- 10 dB)
Maximum Continuous Power ¹	60 watts
Maximum Peak Power ¹	120 watts
Recommended Amplifier Power	80 watts
Sensitivity *	90 db SPL
Maximum Output (long term) ^{1**}	107.5 dB SPL
Maximum Output (peak)	110 dB SPL
HF Dispersion	120° V x 120° H
Nominal Impedance	8 ohms

Signal Chain

HF	1" Horn Loaded Ceramic Driver
LF	5.0" Polypropylene Driver
Connectors	1x two-pole terminal block
Crossover	Passive Internal
70-Volt (option)	10, 20, 40, 60 watt switchable taps

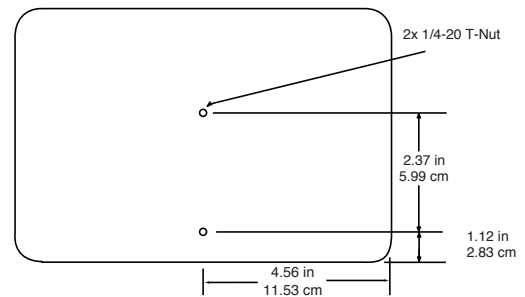
¹ Based on ALMA EIA test 426B

* RTA Total output axial 1W@1M

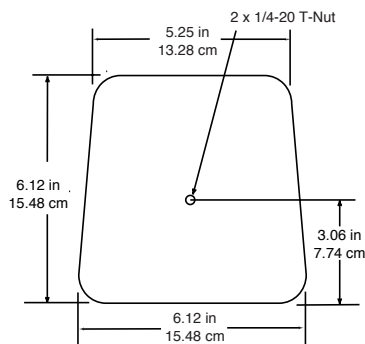
** Based on Maximum Continuous Power rating

Physical Specifications

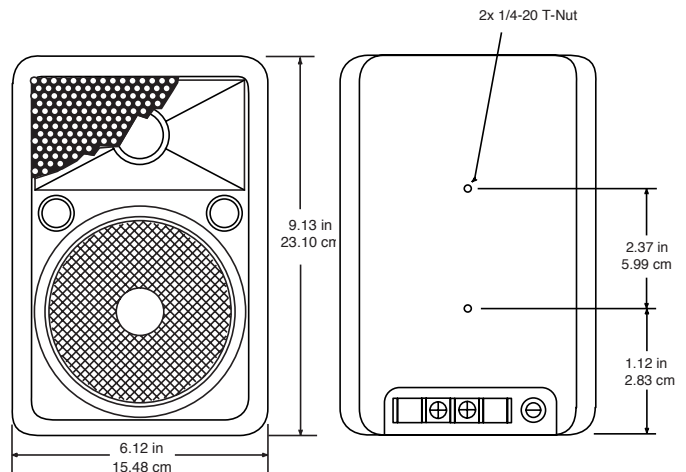
Height	9.1"	23.0cm
Width	6.1"	15.4 cm
Depth	6.1"	15.40 cm
Weight	8.5 lb	3.86 kg
Shipping Weight	10 lb	4.54 kg
Fittings	6 x 1/4-20 inserts (2 per side, 1 ea. end)	
	2 x 1/4-20 on back for OmniMount 25™	
Cabinet	Mid-density Polyethylene	
Grill	Stainless Steel Weather Tech™ (Black standard)	



Vernal 15 Side View



Vernal 15 End View



Vernal 15 Front View

Vernal 15 Back View

Architectural and Engineering Specifications

The loudspeaker system shall be of two-way type consisting of a 5" low frequency cone type transducer in a ported direct - radiating enclosure and a horn-mounted 1" ceramic driver.

The system shall meet the following performance criteria:
 Frequency Response: 70Hz - 20 kHz. Power Handling: 60W.
 Rated Impedance shall be 8 ohms. High frequency dispersion shall be 120° H x 120° V. The loudspeaker shall have an optional 70-volt transformer, with power taps selected by a rotary switch. The system shall include an internal passive crossover network, providing full-range operation via a screw-terminal block.

The cabinet shall be molded from mid-density polyethylene. All

cabinet dyes shall be non-heavy metal based. The cabinet shall have a 10 year warranty.

The system shall have two 1/4-20 flypoint inserts per side, and one additional 1/4-20 insert on each end for yoke mounting. The system shall also have two 1/4-20 flypoint inserts on the back of the cabinet to allow attachment of an OmniMount™ 25 or Allen Products MM-010 bracket.

All drivers shall be protected by a three-layer chemically treated grill system. Cabinet drainage shall be provided by bleed holes.

The loudspeaker system shall be the Technomad Vernal 15.

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