**JM-1P: Arrayable Loudspeaker**

The JM-1P self-powered loudspeaker is a high-Q, arrayable loudspeaker suited for a wide range of applications. Utilizing Meyer Sound’s patented REM™ technology and trapezoidal cabinet design, the JM-1P can be deployed in tightly-packed array clusters to deliver coverage that is proportional to the number of units in the array. While JM-1P point source arrays are optimized for horizontal installations, they can also be used vertically when necessary. With its scalable coverage and versatile QuickFly® rigging options, the JM-1P loudspeaker can be used for touring, rental, and fixed installations.

Boasting a wide operating frequency range of 53 Hz to 18 kHz, the JM-1P delivers a remarkably smooth sound with ample low-frequency headroom. Designed and manufactured at Meyer Sound headquarters in Berkeley, California, the JM-1P’s drivers include one low-frequency 15-inch long excursion cone driver, and one high-frequency 4-inch compression driver with an REM manifold coupled to an extremely accurate horn. The unit’s consistent polar response and trapezoidal enclosure allow for tightly packed arrays with minimal overlap in high frequencies.

The JM-1P's sophisticated onboard amplification and processing produces consistent and predictable results in any system design. A proprietary two-channel, class AB/H power amplifier with complementary MOSFET output stages yields a total power output of 1275 W (2550 W peak). Built-in signal processing includes an electronic crossover, driver protection, and correction filters for achieving flat phase and frequency responses. Each amplifier channel has peak and rms limiters that prevent driver overexcursion and regulate voice coil temperatures. Limiting activity is easily monitored with the rear panel limit LEDs.

The optional RMS™ remote monitoring system provides comprehensive monitoring of system parameters on a Windows®-based computer.

The optional MPA-JM1 pickup plate suspends JM-1P horizontal arrays of up to four units with or without deck. For additional flexibility, the optional MTG-JM1 vertical grid suspends vertical arrays of up to six units.

**Applications**
- Theatrical sound reinforcement
- Houses of worship
- Portable and installed AV systems
- Centerfill and sidefill in large-scale systems
- Theme parks, stadiums, concert halls, and nightclubs

**Dimensions**
- 16.79" w x 36.08" h x 29.30" d
  (427 mm x 916 mm x 744 mm)
- Weight: 147 lbs (66.68 kg)

**Enclosure**
- Multi-ply hardwood

**Finish**
- Black textured

**Protective Grille**
- Hex-stamped steel with black mesh screen

**Rigging**
- Aluminum end plates with side links for arraying units; optional pickup plate and vertical grid for suspending arrays with up or down tilt

**Features & Benefits**
- Tightly controlled coverage yields scalable coverage proportional to the number of arrayed units
- Exceptional size to power ratio
- QuickFly rigging offers the flexibility of both horizontal and vertical arrays
- Consistent and predictable array performance ensures accurate system design

**Applications**
- Theatrical sound reinforcement
- Houses of worship
- Portable and installed AV systems
- Centerfill and sidefill in large-scale systems
- Theme parks, stadiums, concert halls, and nightclubs
The loudspeaker shall be the Meyer Sound JM-1P. Dimensions shall be 427 mm x 916 mm x 744 mm. Weight shall be 147 lbs (66.68 kg).

Each amplifier channel shall be class AB/H with two-channel complementary MOSFET output stages. Burst capability for the low-frequency channel shall be 1000 watts total with nominal 2-ohm resistive load impedance. Power handling capability: 1200 W (AES).

The loudspeaker system shall provide facilities for installing Meyer Sound’s optional RMS remote monitoring system. Equipped with two-conductor twisted-pair network, reporting all operating parameters of amplifiers to system operator’s host computer.

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