SPECIFICATIONS (See notes 1 and 2)

Loudspeaker Type: 3-way, horn loaded

Operating Range: 60 Hz - 18 kHz
70 Hz - 17 kHz (+/-2dB)

Max Input (Passive): 600W continuous, 1500W program
49 volts RMS, 110 volts momentary peak

Recommended Power Amp: 1250W to 1800W @ 4 Ohms

Maximum Inputs (Triamp):

- LF: (Same as for Passive mode)
- Recommended LF Power Amp: 170W to 240W @ 8 Ohms
  - HF: 100W continuous, 400W program
  - 28 volts RMS, 80 volts momentary peak
- Recommended HF Power Amp: 330W to 480W @ 8 Ohms

Sensitivities 1W/1m:
- LF: 108 dB SPL (80 Hz - 630 Hz 1/3 octave bands)
- MF: 112 dB SPL (630 Hz - 4000 Hz 1/3 octave bands)
- HF: 117 dB SPL (4000 Hz - 12500 Hz 1/3 octave bands)

Maximum Output: 136 dB SPL / 143 dB SPL (peak)

Nominal Impedance (passive): 4 Ohms
Min Impedance: 3.7 Ohms @ 110 Hz

Nominal Impedances (Triamp): LF: 4 Ohms
- MF: 8 Ohms
- HF: 8 Ohms

Nominal -6dB Beamwidth:
- 30° H (+/3° - 7°, 2000 Hz - 16000 Hz)
- 40° V (0° above 40° below plane) (+23° - 10°, 2000 Hz - 16000 Hz)

Axial Q / DI: 28.5 / 14.5, 1.6 kHz - 16 kHz

Crossover Frequencies: 630 Hz / 4 kHz

Recommended Signal Processing:
- 70 Hz - 700 Hz crossover (for triamp)
- 700 Hz - 4 kHz crossover (for triamp)
- 70 Hz high pass filter

Drivers:
- LF (2) 12"
  - MF (1) M200
  - HF (1) UC2

Input Connection:
- (2) Neutrik NL8MP, (tri-amp)
- (2) Neutrik NL4MP, (passive/bi-amp)
- (3) dual banana jacks

Controls:
- Passive / Bi-amp switch

Enclosure:
- 13-ply 18 mm Baltic Birch

Enclosure Hardware:
- (10) Ergo-Grip handles

Mounting / Rigging Provisions:
- (8) 3/8-16 ring mounting points, W.L.L. 300 lb. vertical pull each
- (3) seat track

Grille:
- 16 gauge perforated steel (see options)

Required Accessories:
- Digital Signal Processor

Supplied Accessories:
- None

Optional Accessories:
- 3/8-EYBLTKIT: (4) forged 3/8-16 eyebolts,
  - Digital speaker controller, TFRJP: Joiner Plate connects adjacent TFR FLYBAR, TFR-FB: Single flybar, TFR-RAFRAC: Rear seat track mount, TFRCOVER, TFR-DOLLY, TFR-RIGCABLE, SKIP1, SKIP5

Dimensions:
- Height: 25.1 in. / 637.5 mm
- Width Front: 25.45 in. / 646.4 mm
- Width Rear: 12.1 in. / 307.3 mm
- Depth: 13.5 in. / 342.2 mm
- Weight: 155 lb. / 70.3 kg
- Shipping Weight: 161 lb. / 73 kg

1. Sensitivity: Free field pink noise measurement at 40 ft / 12.2 m at 50% power;
   extrapolated to 1 meter and an input of 2 volts RMS.

2. Watts: All wattage figures are calculated using the rated nominal impedance.

APPLICATIONS:
The TFR34A is well suited for use as a stand-alone element, or as a distributed system loudspeaker in properly configured indoor applications including:

- Full-spectrum, Center Cluster Reinforcement for Churches, Auditoriums, etc.
- Dance/Nightclubs
- Athletic Field Houses (basketball, skating/ice hockey rinks, etc.)
- Convention Centers, Stadia

DESIGN BENEFITS:
- High Efficiency Horn Loading
- Asymmetrical Coverage Pattern
- High-Fidelity, Full-Range Reproduction of Music And Speech

FEATURES:
- Drivers: LF (2) 12” cast frame
- MF (1) M200, 2” (51mm) exit, low compression driver
- HF (1) UC2, 2” (51mm) exit, low compression driver
- Trapezoidal Baltic Birch enclosure ships with a Tri-amp input panel
  - Passive/Biamp crossover available
- Input Connections: Neutrik NL4 (passive/bi-amp), NL8 (tri-amp)
  - Four top/bottom eye-bolt rigging points.

DESCRIPTION
The TFR34A is an all horn-loaded tri-axial design using precision, hand-laminated fiberglass, proprietary waveguides to deliver quality, full-range sound projection in short throw downfill applications. Its wide, smooth frequency response and high efficiency provide superb projection of clear, intelligible speech and ensure high-fidelity music reproduction at very low distortion.

The outer TFR34A enclosure forms a double wall construction, while the mid/high frequency horn assembly is mounted in the mouth of the bass horn. The unique TFR34A mid/Hz horn uses single M200 mid-range and a UC2 HF driver for asymmetrical 30°H x 40°V coverage. Intensity is highest on axis and drops off as down angle increases. Asymetrically, vertical coverage is 0° up and 40° down. For flexibility, a switchable, high quality passive crossover/bi-amp input panel is available.

The TFR34A permits good down-angle coverage from a dead-hung array, especially where TFR34As can be interspersed with TSS subwoofers. The TFR34A is also appropriate where a section of the listening area is positioned above the loudspeaker array and can be used in vertical pairs with the upper cabinet inverted in situations requiring 80°V coverage.

Five-year limited non-component warranty.
Two-year limited component warranty.

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Specifications subject to change without notice.
The TFR34A loudspeaker system shall be a horn-loaded, three-way, full-range bass reflex trapezoidal design with two 12" woofers, plus one 2" exit mid-range driver with a non-metallic diaphragm, and one 2" exit HF driver with a non-metallic diaphragm mounted to an integrated, interchangeable MF/HF fiberglass waveguide module. Crossover frequencies shall be of 630 Hz and 4 kHz. There shall be two NL8MP (tri-amp) connectors. The system shall meet the following performance criteria: Overall amplitude response of 70Hz to 17 kHz (+/-2dB) with LF section amplitude response 80-630Hz, mid-range section amplitude response 630 Hz-4000 Hz, and HF section amplitude response 4000 Hz-12.5 kHz. (+/-2dB) Tri-amp mode power handling shall achieve, 600W RMS and 1500W PGM for LF, 75W RMS and 200W PGM for mid-range and 100W RMS and 400W PGM for HF (@4kHz/24dB HPF). NOTE: HF bandpass NOT accessible in passive mode. The loudspeaker enclosure shall be well-braced 18mm 13-ply Baltic birch with a black powder-coated 16 guage perforated steel grille. The enclosure is finished with black Tuf-Coat™. There shall be eight 3/8in-16(threads per inch) integral threaded insert mounting points connected to top and bottom internal steel bracing. The LF sensitivity is 108 dB SPL/1W @ 4 ohms. The MF sensitivity is 112 dB SPL/1W @ 8 ohms. The HF sensitivity is 117 dB SPL/1W @ 8 ohms. Nominal dispersion shall be 30°H x 40°V from 1.6 kHz to 16 kHz (vertical 0° up and 40° down). The loudspeaker shall be 25.1"(637.5mm) H, 25.45"(646.4mm) W(front), 12.1"(307.3mm) W(rear) x 33.5"(852.2mm) D and weigh 155lbs (70.3kg). The three-way, full-range loudspeaker system shall be the Community Model TFR64A.