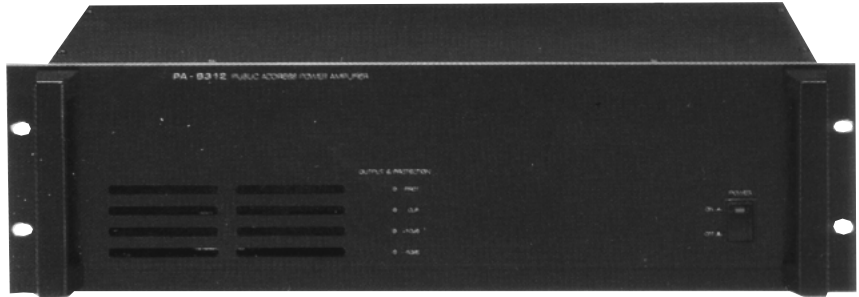


Features

- 120 Watts RMS Power (PA-9312)
- 240 Watts RMS Power (PA-9324)
- Mono 4 , 25V or 70V output
- Balanced XLR input
- Link connector on input for multiple amplifier operation
- Adjustable input gain from -12dB to 0dB
- Switchable high-pass filter
- Automatic 2-speed cooling fan
- Automatic thermal protection
- Output level indicator LEDs
- 115/230 VAC and/or 24 VDC powered
- Rack mount (3 rack unit height)



Description

The PA-9312 and PA-9324 are reliable, heavy duty single channel power amplifiers designed for demanding commercial and professional sound system applications. Both models feature an XLR balanced input, with adjustable input sensitivity from -12 dB to 0 dB, and a parallel male XLR connector enables convenient link

hookup in multiple amplifier installations. Automatic thermal protection circuitry is provided and an automatic idling circuit protects against thermal runaway. Two speed fan cooling ensures reliability, switching to high efficiency when amplifier demand is at peak operating levels. A switchable high-pass filter provides driver protection from excessive low frequencies. Front panel LEDs indicate output levels of -40 dB, -10 dB and clipping, as well as protection circuit activation. A ground lift switch is provided to isolate signal ground in case of hum or ground loop problems, and the output is selectable for 4 , 25 volt or 70 volt operation.

The PA-9312 and PA-9324 can be powered by 115/230 VAC and/or 24 VDC, enabling its use as part of a portable P.A. system, or connection to a standby power supply for emergency operation. Both units are packaged in a 5 1/4" high triple-space rack-mount enclosure.

Technical Specifications

ELECTRICAL	PA-9312	PA-9324
Power output (RMS)	120 watts	240 watts
Output impedance or voltage	4 , 25 V or 70 V	
Front panel LEDs	-40 dB, -10 dB, clipping & protection circuit activation	
Frequency response	70 Hz to 18 kHz (+1/-3 dB)	
THD @ 1 kHz @ rated output	< 1%	
Signal-to-noise ratio	> 95 dB	
High pass filter	-3 dB at 400 Hz	
Input sensitivity & impedance	1.0 V / 10 k : Balanced : XLR	
Input level adjustment	-12 dB to 0 dB	
GENERAL		
Power source AC	115 VAC @ 60 Hz or 230 VAC @ 50 Hz selectable	
Power source DC	24 VDC (auto-switching from AC)	
Power consumption	300 watts maximum	680 watts maximum
Power switch front panel mounted	Push on-push off with integral power LED	
Weight	31 lbs (14 kg)	42 lbs (19 kg)
Dimensions (W x H x D)	19" (482 mm) x 5 1/4" (132 mm) x 11" (280 mm)	

PA-9312 / PA-9324 Architectural and Engineering

The power amplifier shall be a single channel amplifier capable of _____ [120/PA-9312 or 240/PA-9324] watts RMS output, and shall provide a selectable 4, 25 volt or 70 volt output. Amplifier protection shall be provided by a thermal sensing circuit, protecting against over-temperature and over-current, and an automatic idling circuit to protect against thermal runaway. A two-speed cooling fan shall ensure low fan noise at low amplifier demand and high efficiency when operating at peak demand. The input shall be balanced, with adjustable sensitivity from -12 dB to 0 dB. The input connector shall be female XLR, and a parallel male XLR

connector shall be provided to facilitate link-up connection in multiple amplifier applications. A switchable high-pass filter shall provide -3 dB attenuation at 400 Hz. Front panel LEDs shall indicate output levels at -40 dB, -10 dB and at clipping, as well as protection circuit activation.

The power amplifier shall meet the following performance criterion:

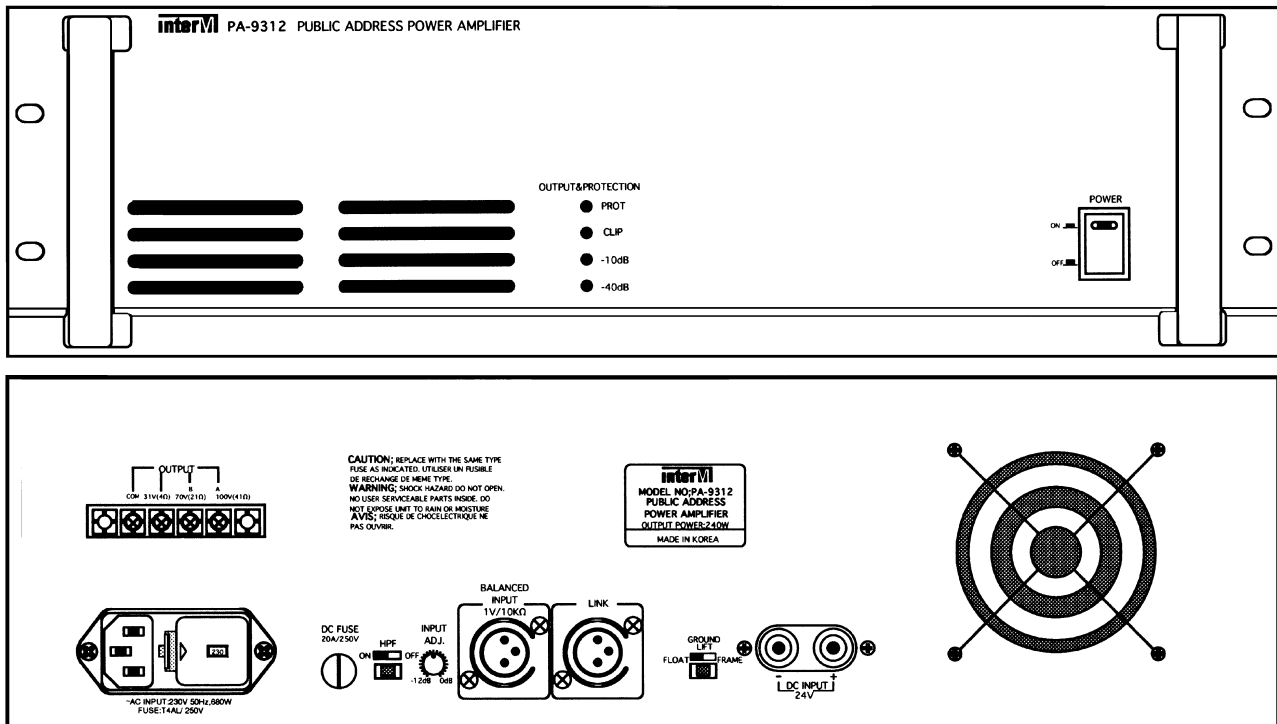
Frequency response shall be from 70 Hz to 18 kHz +1/-3 dB; total harmonic distortion shall be less than 1% at rated output at 1 kHz; and signal-to-noise ratio shall exceed 95 dB. Input sensitivity

and impedance shall be 1.0 V @ 10 k . The power amplifier shall measure 19" (483 mm) width x 5.25" (132 mm) height x 11" (280 mm) depth, and incorporate provisions for 19" rack mounting. The power source shall be auto-switching between AC and 24 VDC, with the AC power switch-selectable between 115 VAC @ 60 Hz and 230 VAC @ 50 Hz.

The power shall be controlled from a front-panel mounted push-on/push-off switch with an integral power LED.

The power amplifier shall be an Inter M model _____ [PA-9312 or PA-9324].

PA-9324 Front & Rear Views



interM

Dallas, Texas Tel (903) 455-2001 800-233-5014 Fax (903) 455-2233
 Vancouver, BC Tel (604) 291-8401 800-663-1042 Fax (604) 294-2697

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