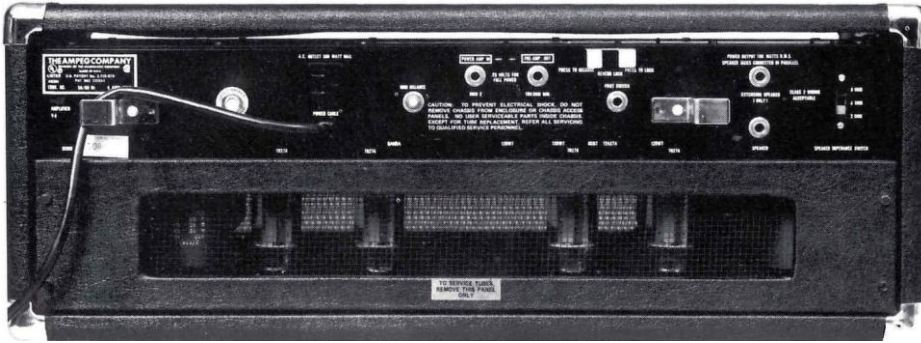


V-4 Amplifier



V-4 Amplifier



V-4 Amplifier Specifications

Power Output:

100 watts RMS minimum continuous at less than 3% total harmonic distortion (T.H.D.) into a 2, 4, or 8 ohm load over 20 to 20,000 Hertz bandwidth

Front Panel:

Two inputs
Two volume controls
Bass, midrange and treble controls
Two-position ultra-hi switch
Reverb and distortion controls operated by footswitch supplied with unit
Power switch
Standby switch
Red pilot light
Amber standby light

Rear Panel:

Impedance selector switch (2, 4, 8 ohms)
Two speaker output jacks
Patching jacks (in and out)
Accessory outlet (500 watt)
Patented reverb lock
Hum-balance control
15-foot three-wire line cord (4.6 m.)
Two cord winders

Tone Control Range:

Treble \pm 12 dB @ 4,000 Hertz
Bass \pm 12 dB @ 40 Hertz
Midrange \pm 20 dB @ 300, 800 or 3,000 Hertz
Ultra-Hi + 12 dB @ 8,000 Hertz (dependent on volume control position)

Signal to Noise Ratio (SIN):

-80 dB below full power

Frequency Response (1 watt):

\pm 1 dB 20 to 20,000 Hertz

Sensitivity:

Channel 1 distortion circuit threshold is 800 microvolts for 10% T.H.D.
Channel 1 and 2 input impedance is 5.6 megohms, and input sensitivity is .011 volts for full power.

Patching Facilities:

Preamplifier output jack is 10K ohms.
Power amplifier input jack is high impedance (.25 volts for 100 watts).

Special Circuit Features:

Smooth overload characteristics provided by tube-type preamplifier distortion circuitry, frequency response extremity tailoring and advanced power amp design.
Special input filters reject nearby radio frequency (RF) interference.

Tube Complement:

Four 7027A/Three 12DW7/One 12AX7A/One 6CG7/One 6AN8A

Power Supply Requirements:

(Standard) 100-130 volts 50-60 Hz.
4 amps

(Export) 200-260 volts 50-60 Hz.
2 amps

Power consumption 280 watts at rated output.

Safety Approvals:

Underwriters' Laboratories (UL)
Canadian Standards (CSA)

Chassis Construction:

Shock mounted, $\frac{1}{2}$ " steel reinforced chassis, enclosed for RF rejection
Baked enamel finish
Patented extruded aluminum front panel
Decorative overlay
Four output tube retainers
Three service access covers

Cabinet Construction:

$\frac{3}{4}$ " solid jointed core 7-ply plywood
Dovetail corner construction
Eight chrome corners
Heavy duty vinyl covering
Ventilating rear cover and front baffle
Flush mounted strap handle

Weight:

64 pounds (29 Kg.)

Dimensions:

26.6"Wx9.7"Hx11.1"D
67.6 cm. x 24.7 cm. x 28.3 cm.

Recommended Speaker Enclosure Options:

One or two G-60 enclosures
One or two V-4 enclosures (Altec speakers optional)
One or two VT-22 enclosures (A/tee speakers optional)
One or two V-2 enclosures (A/tee speakers optional)
One or two B-40 enclosures (Altec speakers optional)

One B-15S enclosure (Altec speaker required)

Two B-15S enclosures (Altec speakers optional)

One or two B-25B enclosures (Altec speakers optional)

One or two V-6B enclosures (Altec speakers optional)

One or two V-6 enclosures

One SVT enclosure

Recommended Usage:

Guitar, Keyboard Instruments, Bass

Optional Equipment:

Vinyl cover

Performance kit consisting of four 6550 output tubes and tube retainers which yield 130 watts at 3% T.H.D. (installation available from authorized Ampeg Service Center).

V-4 Speaker Enclosure Specifications

Power Handling:

130 watts RMS per enclosure

Impedance:

8 ohms

Enclosure Design:

Totally sealed infinite baffle system

Speaker Complement:

Four 12" speakers with 1½" aluminum voice coils and 20 oz. ceramic magnets

Enclosure Construction:

¾" solid jointed core 7-ply plywood

Interlock construction joining top, bottom, sides, back and baffle

Eight chrome corners

Front mounted speakers

Heavy duty vinyl covering

Three flush mounted strap handles



Phone jack
7-foot speaker cable
Removable grille frame

Weight:

90 pounds (40.8 Kg.)

Dimensions:

27" W x 30" H x 14" D
69 cm. x 76 cm. x 36 cm.

Recommended Amplifiers:

V-4, V-2, B-25B, G-60, B-40, A-120, V-6B, V-4B; and SVT and V-9 when speaker enclosures are equipped with Altec speakers

Recommended Usage:

Guitar, Keyboard Instruments, Bass

Optional Equipment:

Dolly

Vinyl cover

Altec 417-BC speakers