

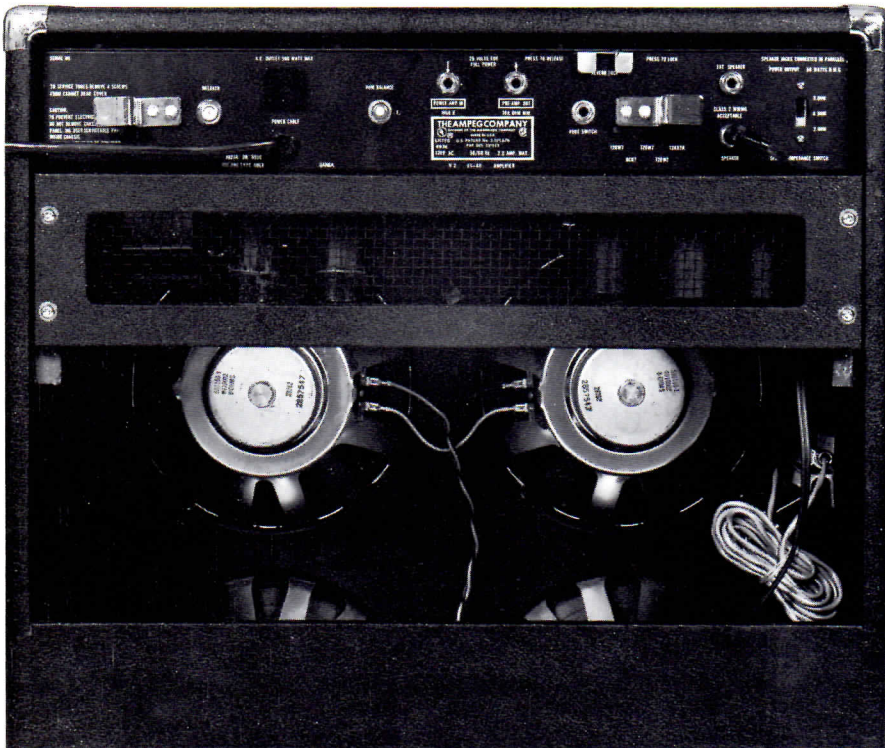
VT-40

Amplifier



VT-40 Amplifier

VT-40 Amplifier Specifications



Power Output:

60 watts RMS minimum continuous at less than 5% total harmonic distortion (T.H.D.) into a 2, 4, or 8 ohm load over the 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 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 ± 12 dB @ 4,000 Hertz
- Bass ± 12 dB @ 40 Hertz
- Midrange ± 20 dB @ 300, 800 or 3,000 Hertz
- Ultra-Hi $+ 12$ dB @ 8,000 Hertz (dependent on volume control position)

Signal to Noise Ratio (S/N):

-80 dB below full power

Frequency Response (1 watt):

± 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 circuit, frequency response extremity tailoring, and advanced power amp design.

Special input filters reject nearby radio frequency (RF) interference.

Tube Complement:

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

Power Supply Requirements:

(Standard) 100-130 volts 50-60 Hz.
2 Amps

(Export) 200-260 volts 50-60 Hz.
1 Amp

Power consumption 170 watts at rated output.

Safety Approvals:

Underwriters' Laboratories (UL)
Canadian Standards (CSA)

Chassis Construction:

- Shock mounted, $\frac{1}{16}$ " steel reinforced chassis, enclosed for RF rejection
- Baked enamel finish
- Patented aluminum extrusion front panel
- Decorative overlay
- Two output tube retainers
- Three service access covers

Cabinet Construction:

3/4" solid jointed core 7-ply plywood
Dovetail corner construction
Eight chrome corners
Heavy duty vinyl covering
Ventilating rear cover and front baffle
Removable grille frame
Flush mounted strap handle

Speaker Complement:

Four 10" special design speakers
with 3/4" aluminum voice coils and
10 oz. magnets

Enclosure Design:

Four front mounted 10" speakers
in open back cabinet

Weight:

70 pounds (38 Kg.)

Dimensions:

23.6" W x 26.7" H x 11.1" D
60.0 cm. x 67.9 cm. x 28.3 cm.

Recommended Extension Speaker Enclosures:

One V-4 enclosure
One VT-22 enclosure
One B-40 enclosure
One B-15S enclosure

Recommended Usage:

Guitar, Keyboard Instruments, Bass

Optional Equipment:

Vinyl cover
Performance kit consisting of two
6550 output tubes and tube retainers
which yield 80 watts at 5% T.H.D.
(installation available from authorized
Ampeg Service Center).
Dolly





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