

VT-22

Amplifier



VT-22 Amplifier



BOX 310 / ELKHART, INDIANA 46514



VT-22 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 (S/N):

-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 circuit, 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, $\frac{3}{16}$ " 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
Removable grille frame
Flush mounted strap handle

Speaker Complement:

Two 12" speakers with 2" aluminum voice coils and 40 oz. magnets

Enclosure Design:

Front mounted speakers in open back enclosure

Weight:

88 pounds (40 Kg.)

Dimensions:

26.6" W x 23" H x 11.1" D.
67.6 cm. x 58.4 cm. x 28.3 cm.

Recommended Extension Speaker Enclosures:

One V-4 enclosure (Altec speakers optional)
One VT-22 enclosure (Altec speakers optional)
One B-40 enclosure (Altec speakers optional)
One B-15S enclosure (Altec speaker required)

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)
Dolly



Strictly Heavy VT-22



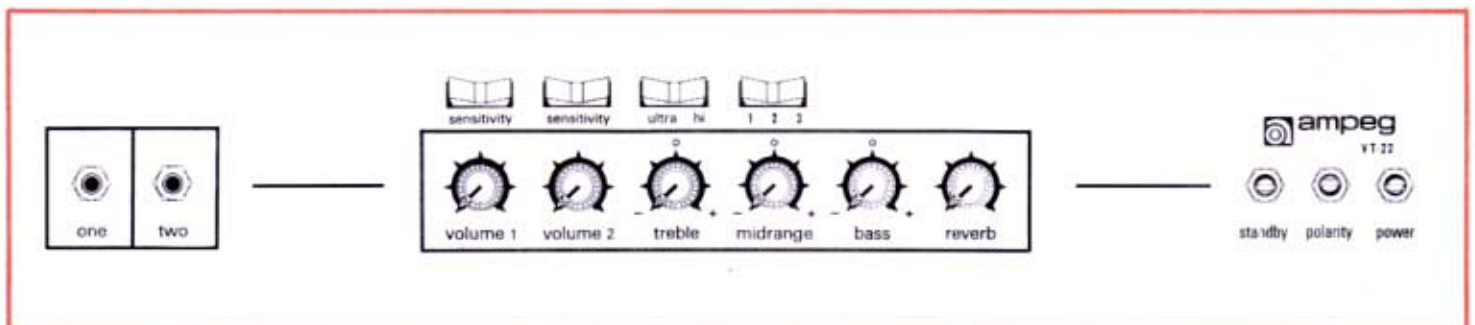
100 WATTS RMS • STRICTLY TUBES

- TWO 12" SPEAKERS
- MIDRANGE CONTROL
- REVERB
- SENSITIVITY SWITCHES FOR TAILORING OVERLOAD.

VT-22

SPECIFICATIONS:

- SINGLE CHANNEL** — two inputs, each with volume control.
- POWER RATING** — 100 watts RMS.
260 watts peak music power.
- SPEAKERS** — 2 — 12" Ampeg special design.
- REAR PANEL** — one speaker jack, one ext. speaker jack, speaker impedance switch for 2, 4, or 8 ohm output, two ext. amp. jacks, foot switch jack (reverb only), A. C. outlet, fuse, line cord winder.
- DIMENSIONS** — 26 $\frac{3}{8}$ x 23 x 11 $\frac{1}{8}$.
- WEIGHT** — 83 pounds.



- SENSITIVITY** — Pos. 1 — **Normal** sensitivity with **high** overload.
Pos. 2 — **Medium** sensitivity with **moderate** overload.
Pos. 3 — **High sensitivity** with **easy** front end overload.
- ULTRA-HIGH** — Pos. 1 — Reverse Ultra-Hi.
Pos. 2 — Normal.
Pos. 3 — Ultra-Hi.

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