

# V-6B

## Amplifier



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## V6B Amplifier Specifications



### Power Output:

240 watts RMS minimum continuous at less than 0.3% total harmonic distortion (T.H.D.) into a 4 ohms load over the 20 to 20,000 Hertz band; 160 watts into 8 ohms.

### Front Panel:

Two inputs — one high gain and one low gain  
Volume control, detented bass, midrange and treble controls, and ultra-hi switch  
Power switch  
Pilot light  
Protective transit cover

### Rear Panel:

Two speaker jacks (wired in parallel)  
Patching jacks (in and out)  
Cord storage compartment  
15-foot three-wire line cord (4.6 m.)  
Accessory outlet  
Protective transit cover

### Tone Control Range:

Treble  $\pm 17$  dB @ 10,000 Hertz  
Bass  $\pm 20$  dB @ 40 Hertz  
Midrange  $\pm 20$  dB @ 300, 800 or 3,000 Hertz  
Ultra-Hi + 12 dB @ 8,000 Hertz

### Signal to Noise Ratio (S/N):

-90 dB below full power

### Frequency Response (1 Watt):

$\pm 1$  dB 20 to 20,000 Hertz

### Sensitivity/Input Impedance:

Input sensitivity for high gain jack is .011 volts for full power. High gain jack is 100K ohms. Low gain jack is 47K ohms. Signals as large as 4 volts will not overload low gain jack. Two volts will not overload high gain jacks.

### Patching Facilities:

Power amplifier input jack is high impedance and 0.28 volts produces full power. Preamp output jack is 600 ohms.

### Circuitry:

Solid state

### Power Module:

Removable and safety interlocked. Complete circuit self-protection is provided by automatic variable power programmed limiting. Shorted, mismatched or open loads have no adverse effect — amplifier is safe with any input signal or load. Overload recovery is instantaneous on any waveform. No thermal protection or forced air cooling is required due to the massive black anodized heat sink.

### Power Supply Requirements:

(Standard) 100-130 volts 50-60 Hz. 4.4 amps  
(Export) 200-260 volts 50-60 Hz. 2.2 amps

Power consumption at rated output is 383 watts maximum.

### Safety Approvals:

Underwriters' Laboratories (UL)

Canadian Standards Association (CSA)

### Chassis Construction:

Heavy-gauge aluminized steel front panel with decorative overlay  
Steel chassis with baked enamel finish

### Cabinet Construction:

$\frac{3}{4}$ " solid jointed core 7-ply plywood  
Interlock construction to join top, bottom, back and sides for greatest strength  
Eight chrome corners  
Heavy duty covering  
Two flush mounted strap handles

### Dimensions:

24" W x 10.6" H x 13" D  
60.9 cm. x 27 cm. x 33 cm.

### Weight:

53 pounds (24 Kg.)

### Recommended Speaker Enclosure Options:

One or two V-6B enclosures (Altec speakers optional)  
One SVT enclosure  
One or two V-9 enclosures  
One V-4B enclosure  
One B-25B enclosure (Altec speakers required)  
Two B-25B enclosures (Altec speakers optional)  
Two B-15S enclosures (Altec speakers required)  
Four B-15S enclosures (Altec speakers optional) with Y-Adapter  
One or two B-40 enclosures (Altec speakers optional)  
Two VT-22 enclosures (Altec speakers optional)  
One or two V-6 enclosures  
Four S-48 columns  
One or two G-60 enclosures  
Two V-4 enclosures (Altec speakers optional)  
Two V-2 enclosures (Altec speakers optional)

### Recommended Usage:

Bass, Guitar, Keyboard Instruments and Sound Reinforcement

### Optional Equipment:

Vinyl cover  
Model 8819 Master Volume Control for low volume distortion



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## V6B Speaker Enclosure Specifications

### Power Handling:

240 watts RMS per enclosure

### Impedance:

4 or 16 ohms selectable

### Enclosure Design:

Active ducted port

### Speaker Complement:

Two 15" speakers with 2½" voice coils and 54 oz. ceramic magnets

### Cabinet Construction:

¾" solid jointed core 7-ply plywood

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

Front mounted speakers

Four chrome corners

Two special design molded foam ducts

Mounted wheels and bar handle

Heavy duty vinyl covering

Phone jack

7-foot speaker cable

Removable grille frame

### Dimensions:

26.7" W x 40.3" H x 15.1" D

67.9 cm. x 102.4 cm. x 38.3 cm.

### Weight:

118 pounds (54 Kg.)

### Recommended Amplifiers:

V-6B, V-4B, V-4, V-2, B-25B, G-60, B-40, A-120, V-9 and SVT (Two Altec-equipped speaker enclosures must be used with the SVT and V-9 amplifier option.)

### Recommended Usage:

Bass, Low Frequency Sound Reinforcement

### Optional Equipment:

Vinyl cover





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