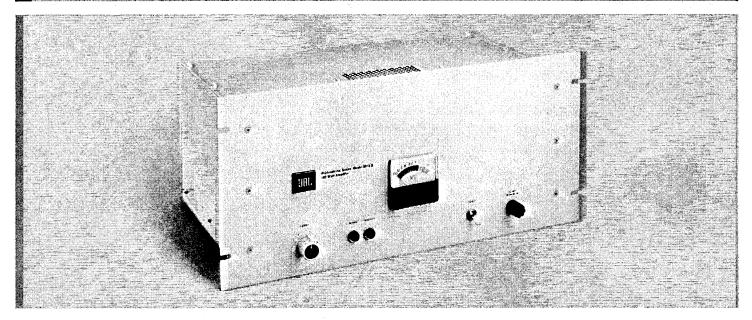
Professional Series Model 6010 B Power Amplifier

100 watts @ Jess than
1.0% THD 40-12 kHz
85 dB signal to noise ratio
Power output meter
Forced air cooled



The JBL 6010B is a highly reliable, conservatively rated amplifier, designed for professional sound engineering applications where a high degree of performance is required.

The circuitry has been carefully designed to reduce the possibility of failure within the specified environmental and electrical conditions. A protective circuit is utilized in this amplifier which makes it virtually impossible to damage it under any conditions of overload, including shorted or grossly mismatched load, inductive load at low frequencies, capacitive load at high frequencies, excessive input signal, white noise or installation errors.

The JBL 6010B can be overdriven by at least ten times normal input voltage, from 40-12 kHz, and eventually produces square waves increasing in RMS value up to about 160W at which point the output actually begins to decrease.

The DC fuse is intended as a protective device for the power supply in the event of output stage malfunction. It is not intended to protect the output transistors which are guarded by the special circuitry provided. As an indication of high frequency stability, the JBL 6010B

draws only 30% more power from the AC line at 12 kHz, 100W, than at 1 kHz for at least one hour without malfunction or entering the "protect" mode.

In the event of fan failure, the thermal switch will activate if the heat sink temperature exceeds 200° F. The hum and noise level is extremely low—at least 85 dB below maximum output.

The 6010B amplifier is designed for maximum flexibility in varying input and output arrangements. A standard unbalanced 50K input is provided which can be converted to balanced line bridging or matching with the installation of the accessory 5195 transformer. A low cut filter switch reduces the possibility of damaging horns. All the power outputs are balanced and the bridging output unbalanced.



Model 6010 B - Power Amplifier

Architectural Specifications

The amplifier shall be capable of delivering an output of 100W RMS with less than 1.0% THD, 40-12,000 Hz, and 150W RMS from 50 to 8000 Hz with less than 4% THD.

The high impedance program input shall be provided with a socket to accommodate a balanced line with isolation. Matching and bridging inputs shall be available. Screw type terminal board shall be provided for the balanced line inputs as well as for the high impedance unbalanced input. In addition, a phono plug shall be provided for the high impedance input. A low frequency filter switch shall be provided.

The amplifier shall have balanced 8-ohm, 16-ohm and 70.7-volt outputs on a screw type terminal board listed by Underwriters' Laboratories, Inc. for class 2 wiring.

The amplifier shall be equipped with a protective circuit which will prevent damage due to overload. A power output meter shall be standard equipment.

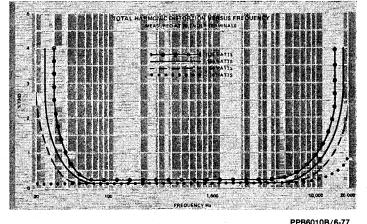
The amplifier shall operate on 120/240 VAC, 50/60 Hz power source.

The performance specifications shall be as listed under SPECIFICATIONS and shall be met or exceeded.

The amplifier shall be listed by the Underwriters' Laboratories, Inc.

The amplifier shall be JBL Model 6010B.

Specifications	
Power Grin	70 dB
Input Sensitivity	
Unbalanced HiZ (50,000 ohms)	0.7 volts
Belenced Bridging, with	
5195 Transformer	
(15,000 ohms)	0.383 volts
Balanced Matching, With	-11
5196 Transformer (600 ohms)	0.077 volts
Power Output	100 Watts at less than 1.0% THD,
	40 to 12,000 Hz
	150 Watts at less than 4% THD.
	50 to 8000 Hz
Power Bandwidth	40 to 12 000 Hz
(At Rated Power)	40 to 12,000 Hz
Total Harmonië Distortion Intermodulation Distortion	Pers (Intel 1749)
(SMPTE Standard)	
Full Power	Lass then 2.0%
TO Warts RMS	Less than 1.0%
0.15 Warts RMS	Less than 1.0%
Frequency Response (Measured at 1 Watt)	20 to 20,000 Hz, + 2 dB
Load Impedance	
Transformer Isolated	8, 16 or 50 ohms
Unbalanced Direct Output	4 Ohms
Load Voltage	7.7
(Fufl Power) 4-ohm output	20.0 volts
8-ahin output	28.3 volts
16-ohm output	40.0 volts
70.7 volt output	70.7 volts
Output Regulation	Better than 15%
Signal/Noise Ratio	Better than 85 dB below full power
Low Cut Filter	Carp (and this before 950 b)
(Rear Fariel Slide Switch)	8 dB/octave below 250 Hz
Front Panel Controls Power	Toggle
Level	Continuous
Indicators	
Normal	Red
Protect	Green
Level Mater	90 Watts output at "0" 120/240 VAC, 50/60 Hz
Power Supply	I ZU ZRU Y AL., DU/DU HZ
Power Consumption Quiescent	36 Watts
33% Output	138 Watts
Full Power	225 Wetts
Fuse	6-amp, slow-blow, SAG
Maximum Ambient	e enta
Operating Temperature	140" F 50" C
Special Features	Overload protection circuit Forced sir cooling
465	AC convenience outlet (unswitched)
Dimensions	
Including Controls	8-3/4" x 19" x 11-5/8" deep
Depth Behind Panel	22.2 x 48.3 x 29.5 cm deep 10-3/4" 27.3 cm
Mounting Mounting	6 EIA standard rack species
Panel Finish	the contract of the contract o
7.7	Semi-gloss baked enamel, dark gray
Net Weight	46 lbs 21 kg
Shipping Weight	57 lbs - 24 kg
Warranty	2 years
Listing	Underwriters' Laboratories, Inc.
Accessory	5195 Matching/Bridging Trensformer



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