

AMPLIFIER

HP 802

**1800 W
MAX POWER**

STEREO AMPLIFIER WITH CROSSOVER



Power Supply

Power supply voltage / fuse:	11 ÷ 15 VDC / 4 x 30 A
Idling current (power ON/OFF):	0.04 mA
Consumption @ 1 Ω, 14.4 VDC (Max Musical Power):	100 A
Remote In:	7 ÷ 15 VDC - 1 mA

Amplifier Stage

Features:

Distortion - THD (100 Hz @ 4 Ω):	0.05 %
Bandwidth (filter off):	10 ÷ 55k Hz
S/N Ratio (A weighted @ 1 V):	103 dB
Damping factor (100 Hz @ 4 Ω):	500
Pre-In sensitivity:	0.3 ÷ 5 VRMS (15 kΩ)
Load impedance (MIN) @ 2 Ch:	1 Ω
@ 1 Ch:	2 Ω

Output Nominal Power (RMS) @ 14.4 VDC, THD 1%:

2 Ch:	330 W x 2 (4 Ω)
2 Ch:	550 W x 2 (2 Ω)
2 Ch:	800 W x 2 (1 Ω)
1 Ch:	1100 W x 1 (4 Ω)
1 Ch:	1600 W x 1 (2 Ω)

Output Power (RMS) @ 14.4 VDC, THD 10%:

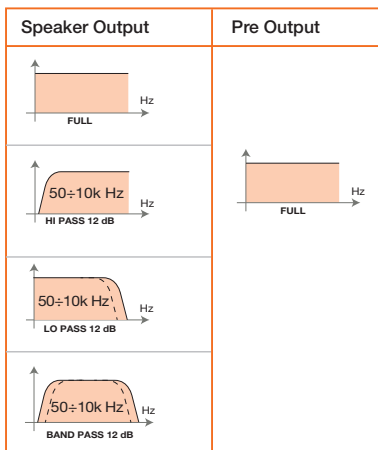
2 Ch:	380 W x 2 (4 Ω)
2 Ch:	630 W x 2 (2 Ω)
2 Ch:	900 W x 2 (1 Ω)
1 Ch:	1260 W x 1 (4 Ω)
1 Ch:	1800 W x 1 (2 Ω)

Inputs / Outputs / Filter

INPUTS:	PRE IN
Pre out FULL range:	Yes
Filter Hi-Pass On/Off:	Yes
Hi-Pass:	50 ÷ 1k Hz / 500 ÷ 10k Hz
Filter Lo-Pass On/Off:	Yes
Lo-Pass:	50 ÷ 1k Hz / 500 ÷ 10k Hz
Filter Band-Pass:	50 ÷ 10k Hz (HI) 50 ÷ 10k Hz (LO)
Equalizer Freq.:	50 ÷ 1k Hz
Equalizer Q:	0.5 ÷ 2
Equalizer GAIN:	± 12

1. In order to deliver such extraordinarily high power, the power supply stage features 4 toroidal transformers, 8 - 2200 uF 105° Low ESR primary capacitors for a total of 17600uF, 120A TO247 Mosfets and 4 - 3300uF secondary capacitors capable of 80V.
2. The AB-Class output stage provides stability into 1 Ω stereo or 2 Ω mono loads and features 20 - 10A/200V impulsive BJT: robust power and thermal dissipation without compromise.
3. By-passable Hi-Pass and Lo-Pass filter, separately activated or in combination to create a Band-Pass for each speaker.
4. Parametric equalizer with Q, Frequency and Gain control, to optimize each speaker's response.
5. Full range Pre output to re-launch the signal to other amplifiers in a multiamplified system.

Configurations



Size / Weight

Max size (mm / in.):	544 x 240 x 65,5 / 21.41 x 9.45 x 2.55
Weight (kg / lb.):	7,5 / 16.53