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Panthera

A75 Integrated Stereo Amplifier



ROGERS



The PANTHERA A75 Integrated Stereo Amplifier is the first model in a new range of professional quality equipment styled by Murdoch & Gibbs.

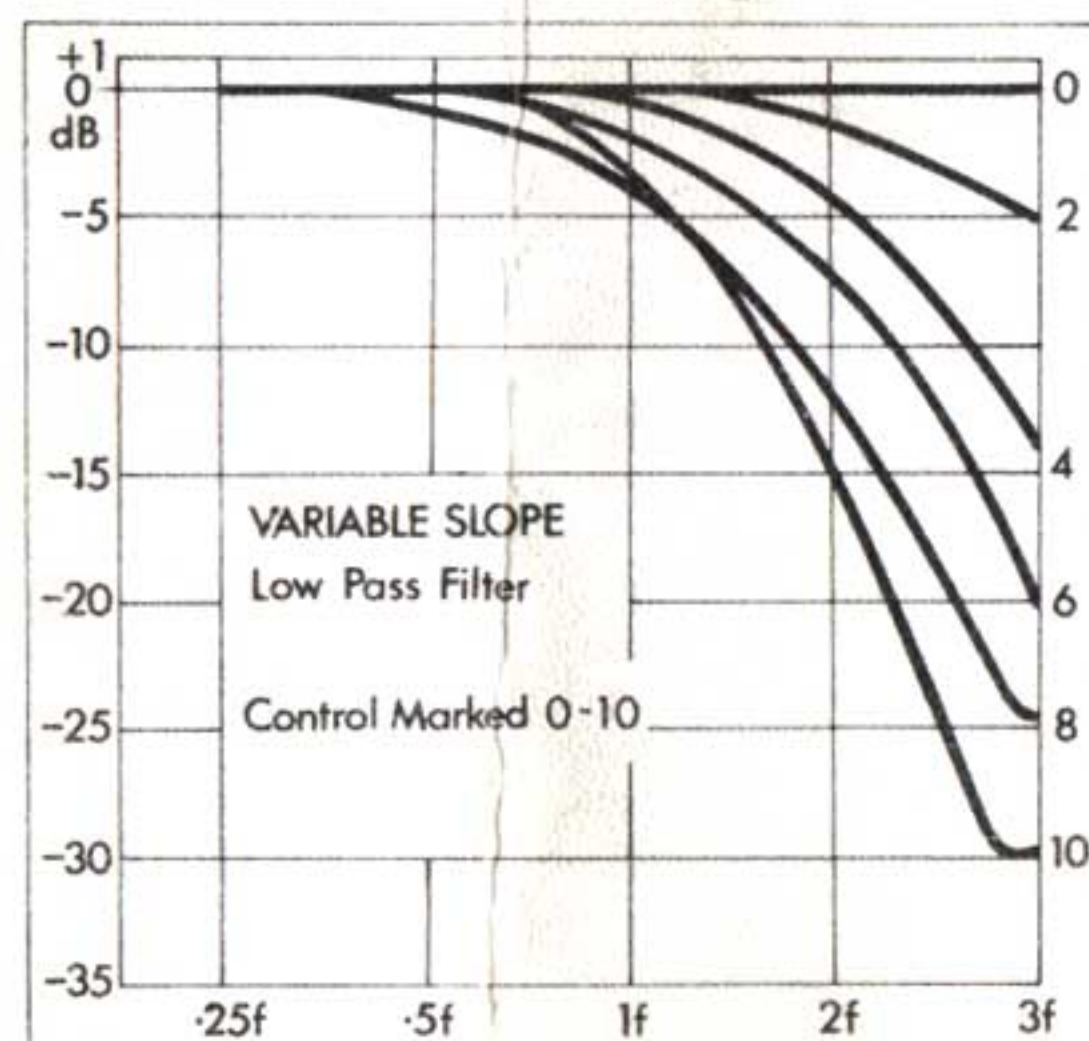
Developed from the established Ravensbourne design, the new amplifier is conservatively rated at 37.5 + 37.5 watts R.M.S. and offers a blend of performance, flexibility, reliability and styling to make it a class leader for years to come.

Inputs are provided for disc, tuner, tape and auxiliary, all via DIN sockets. Four pre-set disc sensitivities cater for virtually all high quality pick-up cartridges, including those with very low output. Full tape record and replay facilities are provided via a DIN panel socket, duplicated at the rear of the chassis. Tape monitoring is possible with recorders having separate



replay heads. A standard 1/4" stereo jack socket provides for stereo headphones. A separate push button switch selects headphones and mutes speakers. Two pairs of speaker outputs are provided on each channel to facilitate the connection of extension speakers or additional speakers in a derived rear third channel system.

Comprehensive controls include a close tolerance ganged volume control matched to 1 dB., wide range bass and treble controls using a modified Baxendall circuit, a vernier balance



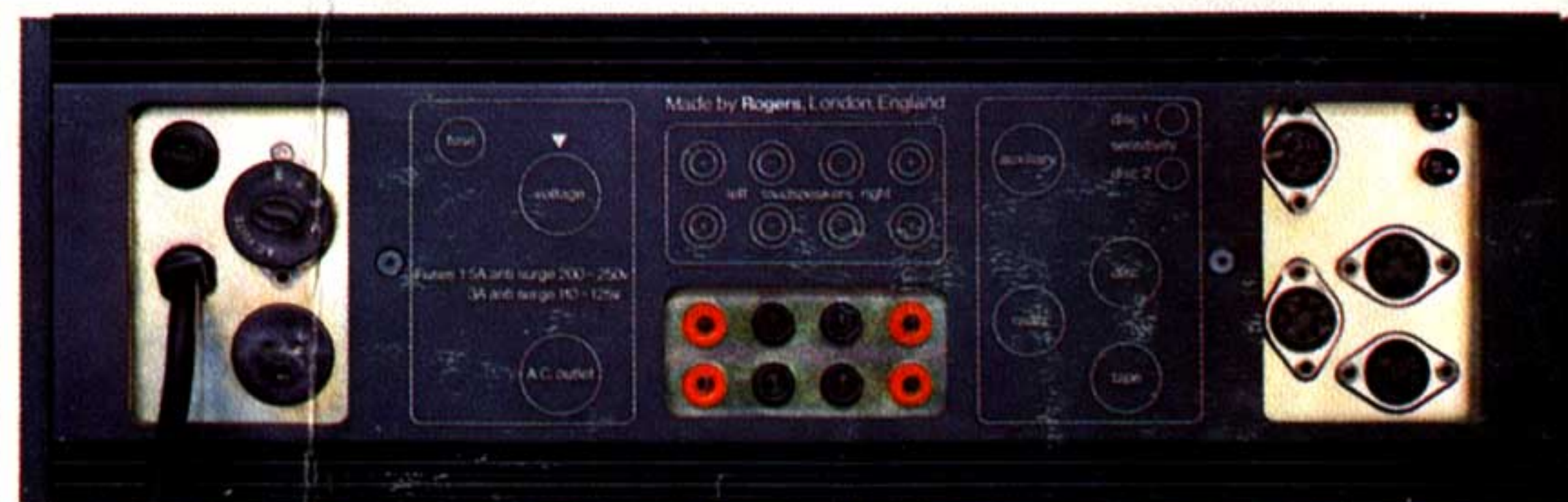
control, a fixed high pass filter and a sophisticated low pass filter featuring two switched cut-off frequencies and a variable 'slope' control. The curves illustrate the excellent filter

characteristics achieved. Use of the filter enables optimum performance to be obtained from a very wide range of programme material.

The superb new styling by Murdoch & Gibbs features a black anodised front panel and is characterised by meticulous attention to detail. A typical example is the specially designed control knob in solid aluminium with edge markings machine engraved, ensuring precise control settings and elimination of parallax error. End covers finished in Rosewood are available as an optional extra. The detail illustration shows the amplifier with end cover removed.



Construction and wiring follows the usual high standard which has come to be expected from ROGERS products. Translucent Fibreglass printed circuit boards are used throughout and a remarkably clean and open layout has been achieved. High quality components, conservatively rated, coupled with careful quality control ensure long term reliability, reflected in the unconditional One Year Guarantee covering both materials and labour.



Technical

Power Output. 37.5 + 37.5 watts. Continuous Sine Wave into 8 ohms. 1 kHz. (32 + 32 watts into 15 ohms) (Both channels driven simultaneously). **Total Harmonic Distortion.** Less than .06% up to 20 watts into 15 ohms at 1 kHz. (.1% average at 32 watts). **Output Impedance Matching.** 4-8 ohms. 8-16 ohms. **Negative Feedback.** 36 dB. **Damping Factor.** 60 at 1 kHz. 15 ohms. **Power Frequency Response.** 0 dB 32 watts into 15 ohms. -3dB 25 Hz - 35 kHz. (Constant input) (Both channels driven simultaneously). **Input Sensitivities.** For 37.5 watts into 8 ohms. 1 kHz. DISC: 2.5/3.5/55/80 mV. 50K impedance RIAA \pm 1/2 dB (overload characteristic better than 26 dB 30 Hz - 10 kHz). **TUNER, TAPE REPLAY and AUXILIARY:** 170 mV. 100 K impedance. Flat \pm 1 dB 25 Hz - 25 kHz. **Tape Record Output.** 170 mV for rated input sensitivity. External load not less than 50K ohms impedance. **Headphone Output.** Standard 1/4" stereo jack socket, suitable for headphones having an impedance of 8-200 ohms. **Signal to Noise Ratio.** Volume control minimum, better than -80 dB, volume control maximum, TUNER, TAPE and AUXILIARY Inputs, better than -75 dB, DISC Inputs, short circuit or 10K load, 2.5/3.5 mV better than -60 dB, 55/80 mV better than -65 dB, all relative to 32 watts into 15 ohms. **Crosstalk.** TUNER, TAPE and AUXILIARY better than 45 dB, 1 kHz better than 30 dB, 10 kHz. DISC input short circuited better than 40 dB up to 25 kHz. **Bass Control.** \pm 16 dB at 40 Hz. **Treble Control.** \pm 16 dB at 10 kHz. **High Pass Filter.** Built-in 20 Hz 30 dB per octave. **Low Pass Filter.** Switched 6 or 9 kHz. Variable slope 0-20 dB per octave. **Balance Control.** Range 9 dB. **Transistors.** 22 silicon. **Mains Voltage.** 110 / 125 / 220 / 240 V. 50 / 60 Hz. **Consumption.** Quiescent: 40 watts. Rated Output. 110 watts. **Overall Dimensions.** 14 1/4" x 11 1/4" x 4.5/8". (36.2cm x 28.6cm x 11.7cm). **Weight.** 15 1/2 lbs. (7 kilos).

The manufacturers reserve the right to alter specifications without prior notice.

ROGERS products are available only through appointed Franchised Dealers.

ROGERS

Rogers Developments (Electronics) Limited,
4/14 Barmeston Road London SE6 3BN
England Telephone: 01-698 7424/4340