
MUSICAL FIDELITY

When music matters most

Reference Guide Update March 1998

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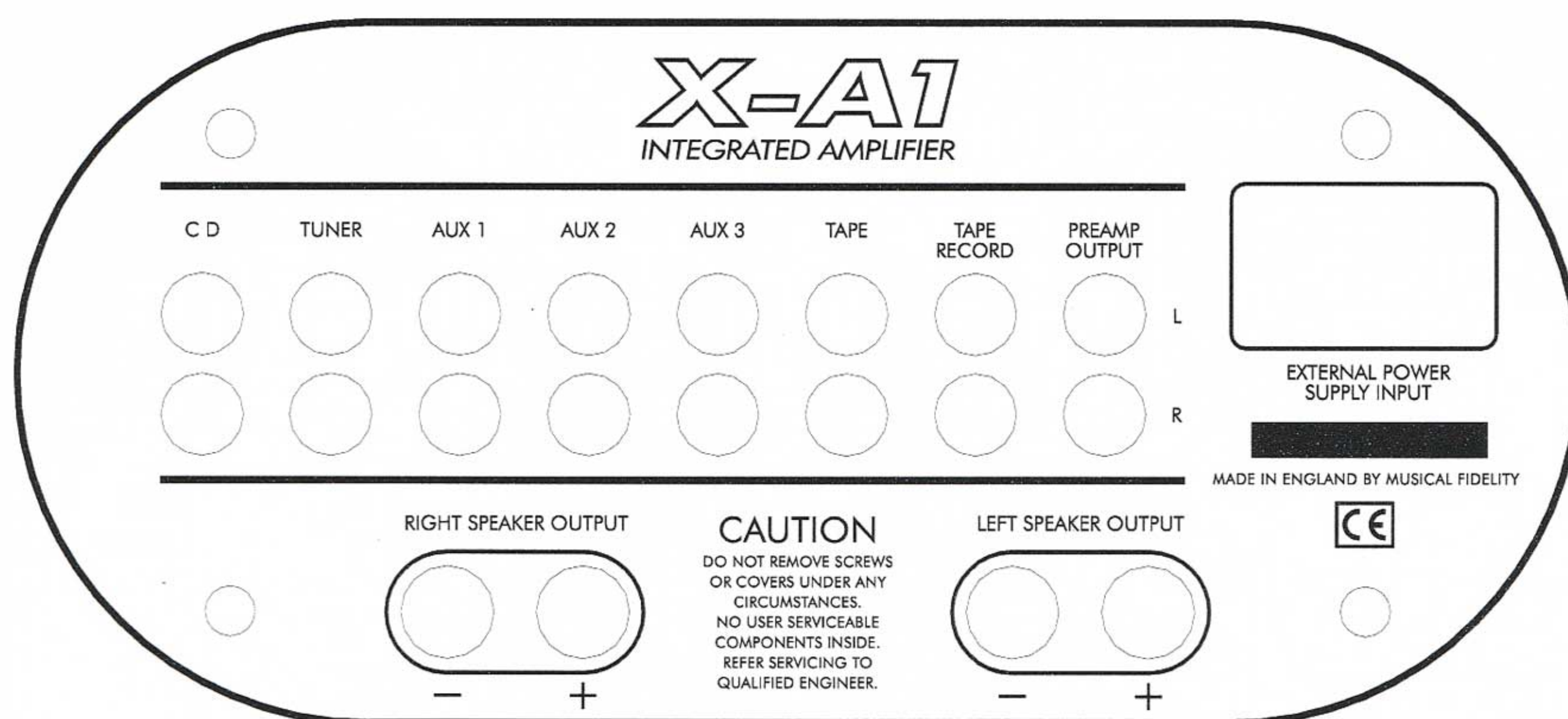
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X-A1

X-Series Integrated Amplifier

Power output	50 watts per channel, 8Ω (17 dBW) 100 watts per channel, 4Ω
Peak current	14 Amps
THD	< 0.007% at 1kHz < 0.03% 20Hz - 20kHz unweighted < 0.003% 20Hz - 20kHz 'A' weighted
Frequency response	10Hz - 35kHz ± 1dB
Inputs	6 Line
Input sensitivity	300mV
S/N ratio	> -88dB unweighted > -98dB 'A' weighted
Power consumption	260 watts (maximum)
Dimensions	230 x 110 x 315mm (W x H x D) Width and height include feet
Standard accessories	X-A1 power supply unit IEC type mains lead



X-A1

X-Series Integrated Amplifier

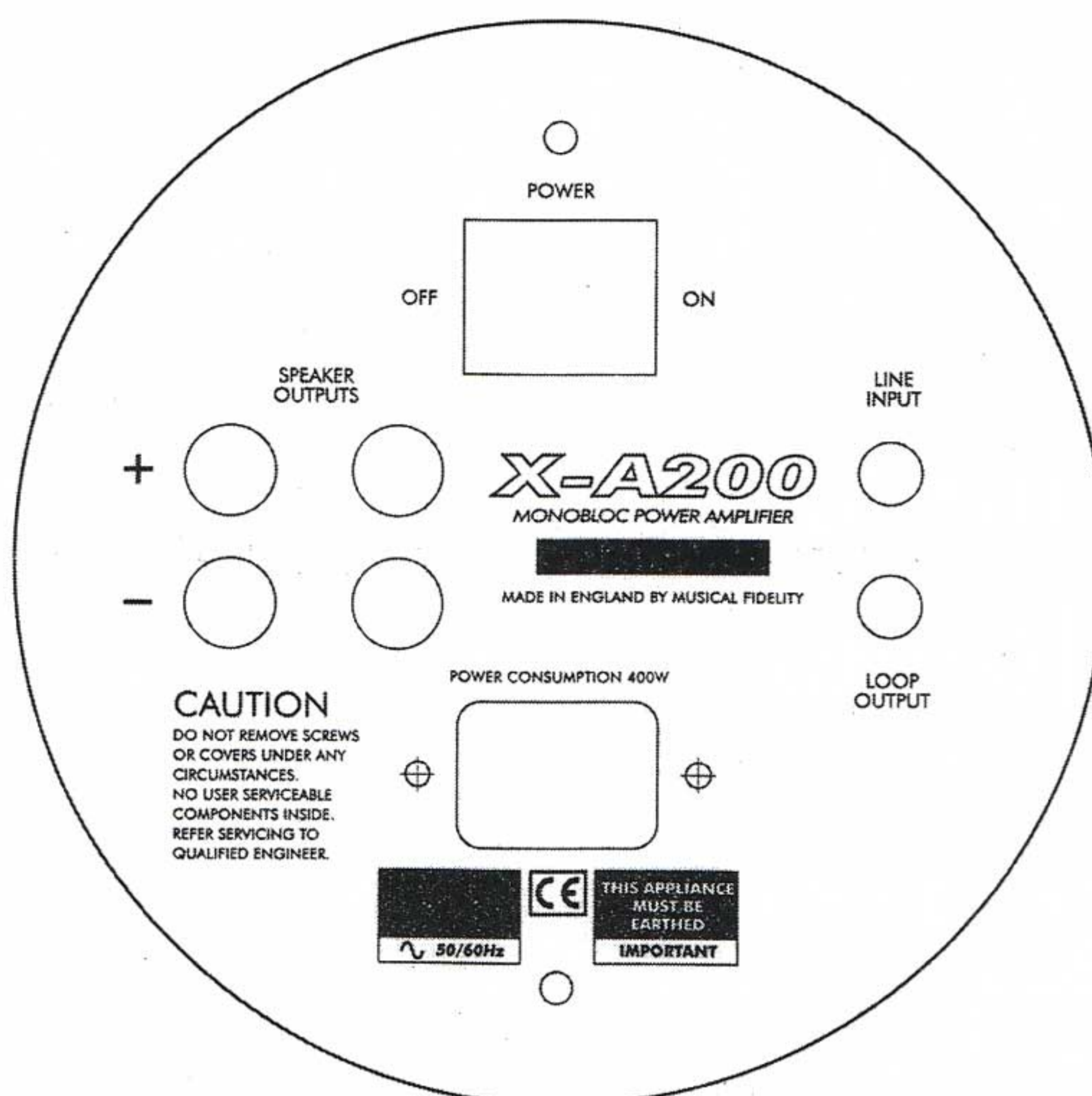
<i>Features</i>	<i>Benefits</i>
Class A/B output stage	<i>Combines the benefits of Class A (smooth sound at average listening levels) with the advantages of Class B (efficient use of power supply)</i>
Active preamp output included	<i>Allows flexible use of the X-A1 in multi-room or surround sound situations or passive bi-amping with a pair of X-A50s or X-A200s</i>
Structured internally as separate pre- and power amps but packaged in an integrated chassis	<i>Allows optimum design free from intermodulation and other distortions that can occur when these circuits are combined but with the advantage of perfect interconnection between them</i>
Fully discrete preamp and power amp circuits	<i>No I.C.s are used, all circuitry is designed for its purpose. Constructing the circuits from the ground up allowed Musical Fidelity engineers complete freedom to optimise the X-A1 design for the best sound quality possible</i>
High current output stage	<i>Easily drives 'difficult' speaker loads and gives excellent bass control and weight</i>
Tape monitor circuit	<i>Allows off-tape monitoring with three head tape decks, plus insertion of sound processors</i>



X-A200

200 watt monobloc power amplifiers

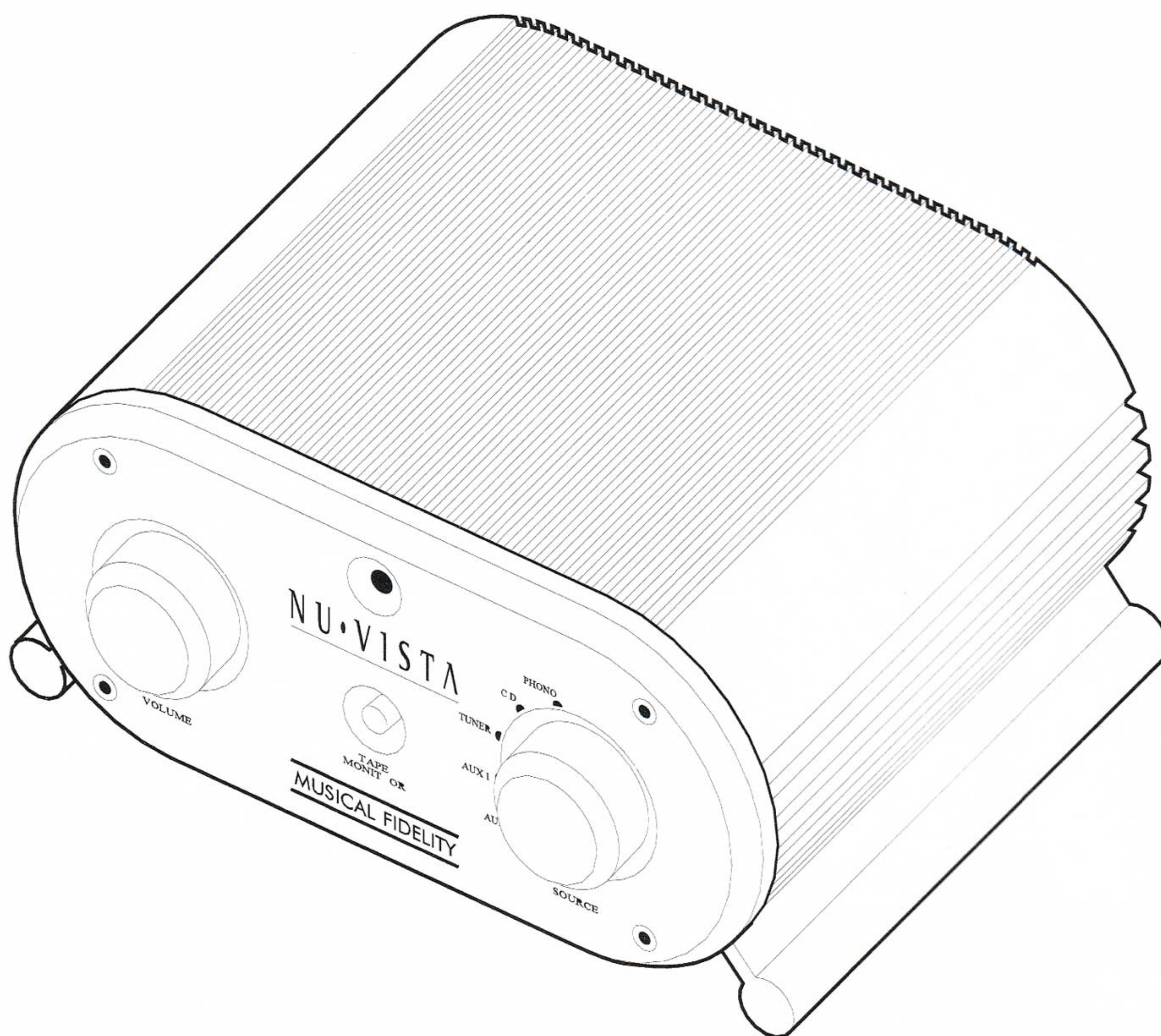
Output power	200 Watts RMS into 8Ω (23 dBW) 400 Watts RMS into 4Ω
THD	< 0.09% 20Hz-20kHz unweighted < 0.01% 20Hz-20kHz 'A' weighted < 0.003% 20Hz-20kHz @ 1W unweighted
Peak current	30 Amps
Frequency response	10Hz - 50kHz ± 0.5dB 5Hz - 80kHz ± 1dB
S/N ratio	> 107 dB unweighted > 120 dB 'A' weighted
Power consumption	400W (maximum)
Dimensions (mm)	170 x 175 x 430 approx. (W x H x D) width and height include feet, depth includes terminals
Standard accessories	IEC type mains lead x2



X-A200

200 watt monobloc power amplifiers

<i>Features</i>	<i>Benefits</i>
200 watts per channel into 8 ohms or 400 watts per channel into 4 ohms	<i>Massive headroom gives excellent dynamics and a clean unfatiguing sound at all volumes</i>
Same gain as X-A50 and E11 power amp stage	<i>Allows the X-A200 to be used in passive bi-amping systems with E11 or X-A50s</i>
Three pairs of very high current bipolar power transistors per unit	<i>Very high peak current delivery of 30 Amps gives excellent load driving ability coupled to solid bass control</i>
Loop out facility	<i>Allows easy 'daisy-chaining' of X-200s for bi or tri-amping or home cinema use with existing setup</i>
Monobloc construction	<i>Complete physical separation of left and right channels for faultless soundstaging and imaging properties - ideal for surround sound use. Each unit may be placed very close to its speaker minimising the loudspeaker cable lengths - again improves sound quality, particularly bass control</i>



NU·VISTA

Class A Tube Preamplifier with remote Control

Inputs

THD

Frequency response

S/N ratio

Valve type

Dimensions

Standard accessories

5 Line, MM phono

< 0.007% 20Hz - 20kHz unweighted

< 0.004% 20Hz - 20kHz 'A' weighted

20Hz - 20kHz \pm 0.2dB

MM phono > 70dB unweighted

MM phono > 78dB 'A' weighted

Line > 83dB unweighted

Line > 91dB 'A' weighted

4 x 6CW4 Nuvistor

230 x 110 x 315mm (W x H x D)

Width and height include feet

Remote control handset

Nu-Vista power supply unit

IEC type mains lead

2 x batteries (AA, SUM-3, CR6)

NU·VISTA

Class A Tube Preamplifier with remote Control

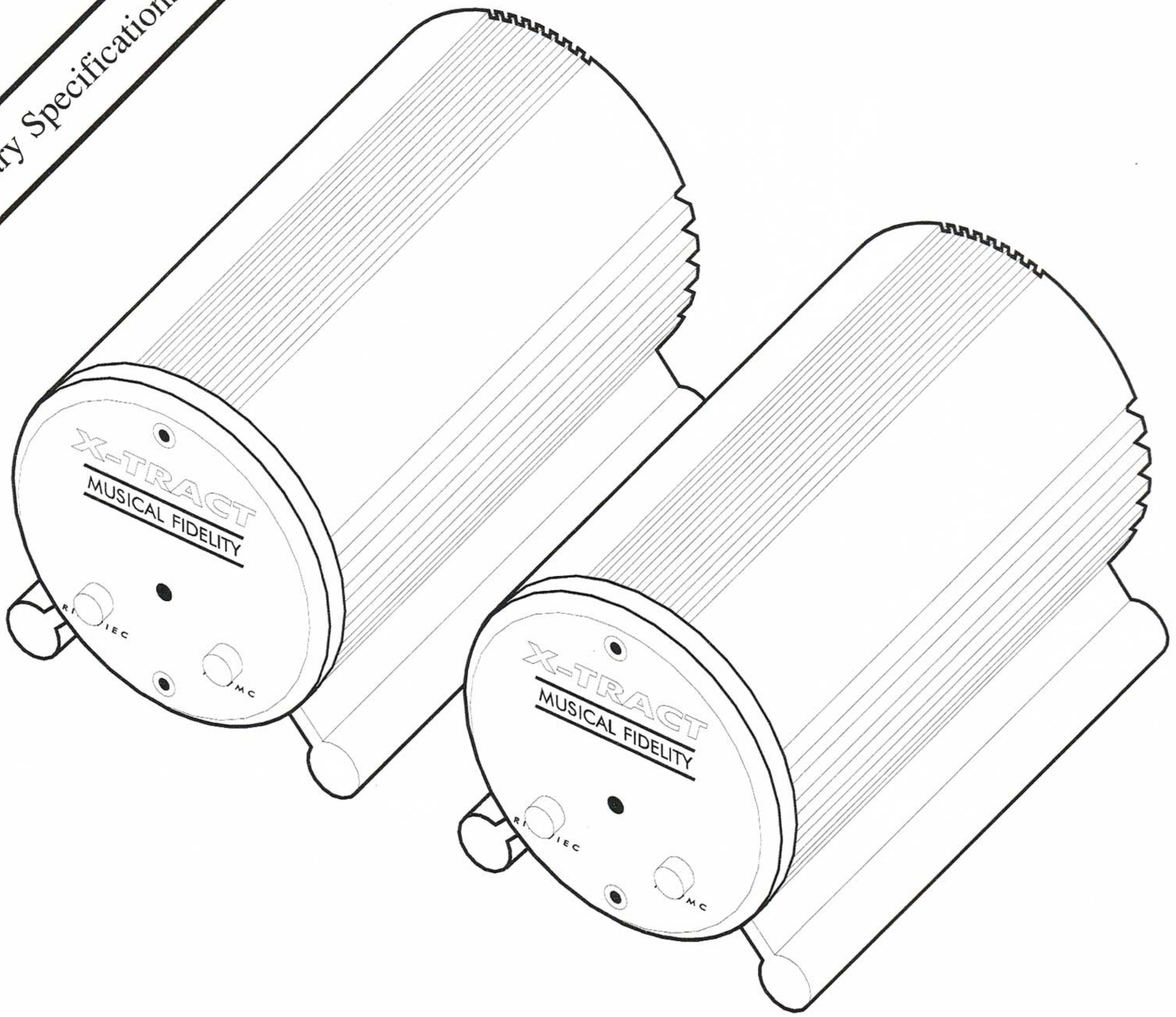
The Nu Vista is a Limited Edition model using the 6CW4 Nuvistor triode valve. These unusual 20mm high miniature valves are metal clad for full magnetic sheilding. Developed at the end of the valve era they represent the zenith of valve developement and were designed for very low noise, microphony and distortion, mainly to be used in military and instrumentation applications.

Due to the very high quality of the Nuvistor valve we expect each set to have at least 100,000 hours of use before performance begins to tail off.

The Nu Vista preamp also features full remote control and a high quality discrete MM phono stage.

<i>Features</i>	<i>Benefits</i>
Class A single ended triode tube design	<i>High end valve preamplifier sound quality rivalling the very best components</i>
External mains transformer	<i>Improves the already excellent signal to noise ratio and prevents inductive coupling effects</i>
Very high quality MM phono stage included	<i>Based on concepts evolved for the X-TRACT monobloc phono stages, allows use of treasured vinyl collections</i>
Full remote control	<i>X-communicator remote control unit provides volume adjustment, input selection and mute functions for armchair convenience</i>
Motorised volume control and selector switch	<i>Provides the best sound quality by using high quality passive components rather than using sound degrading volume control and switching I.C.'s</i>
Electromagnetically sheilded valves	<i>Provides immunity from R.F. and hum pickup</i>
High quality output stage with low output impedance	<i>Gives both excellent and consistent sound quality with a wide range of amplifiers</i>

Preliminary Specifications



X-TRACT

Monobloc Phono Stages

MM input

Sensitivity	1mV
Input impedance	47k Ω
THD	< 0.01% for 350mV output
Input overload margin	> 40 dB
S/N ratio	> 80dB unweighted > 85dB 'A' weighted

MC input

Sensitivity	100 μ V
Input impedance	10 Ω /100 Ω /200 Ω /1k Ω switchable
THD	< 0.01% for 350mV out
Input overload margin	> 40 dB
S/N ratio	> 70dB unweighted > 75dB 'A' weighted

RIAA/IEC curve accuracy

20Hz - 20kHz \pm 0.2dB

Dimensions (each monobloc)

110 x 110 x 220mm (W x H x D)

Width and height include feet

Weight

1.3 kg each

Standard accessories

12V mains adaptor x2

X-TRACT

Monobloc Phono Stages

The X-TRACT is a new concept in phono stages, a monobloc design of the highest quality created to x-tract the last ounce of detail and nuance from vinyl records. Designed for the vinyl enthusiast who wishes to get the very best from their treasured collection of recordings, this is truly a no compromise design. Drawing on 15 years of experience in designing phono stages, this is our statement product for phono, simply the best we can do!

<i>Features</i>	<i>Benefits</i>
Separate dedicated MM and MC inputs	<i>Allow use of either cartridge type into the optimum termination impedance and with the shortest possible signal path for the best possible results</i>
Extremely wide overload margin	<i>Extended headroom allows effortless handling of transients and dynamics</i>
Switchable RIAA/IEC correction curves	<i>The user can choose standard RIAA or the later IEC curve which incorporates additional subsonic filtering to remove record warp noise</i>
Switchable loading impedances adjustable for both resistance and capacitance on both MM and MC inputs	<i>Allows fine tuning of cartridge matching for optimum results with any cartridge type or model</i>
Unique monobloc construction	<i>Allows perfect stereo separation of Left and Right signals for pin-point accurate stereo image</i>
Very low noise circuits	<i>Maximum available dynamic range and low level detail resolution</i>



A1001 Class A Super Integrated Amplifier

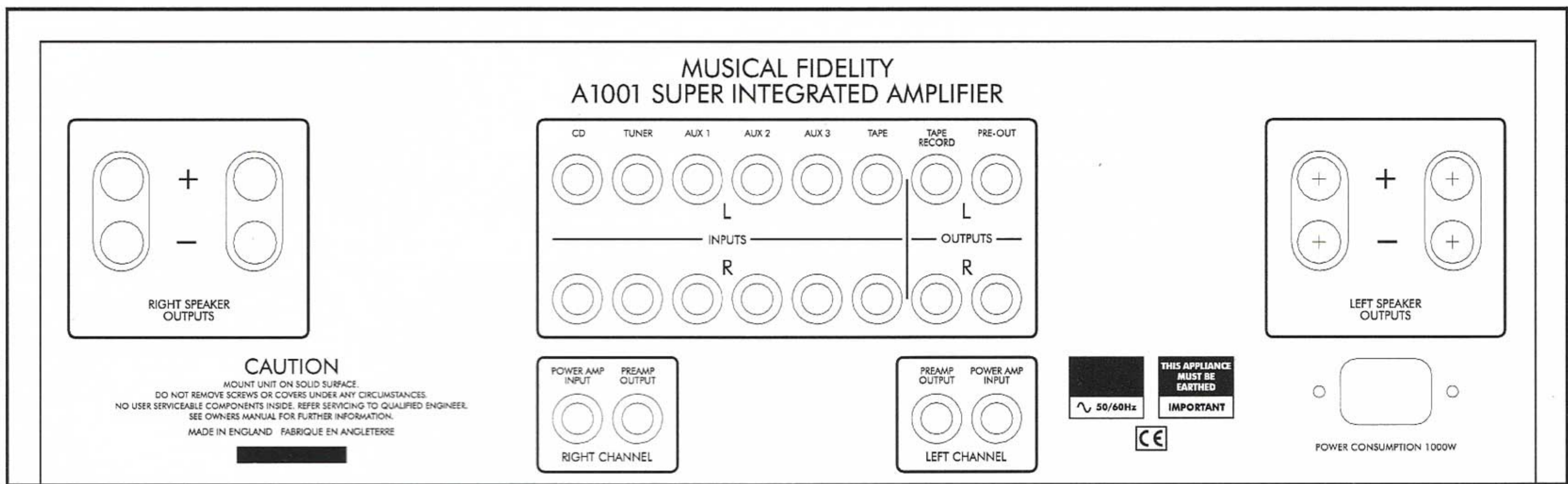
Power output	200 watts per channel, 8Ω (23 dBW) 400 watts per channel, 4Ω
Frequency response	10 Hz - 30kHz ± 1dB
THD	< 0.06% 20Hz - 20kHz to full rated power < 0.003% 1kHz to full rated power
Peak current	50 Amps
S/N ratio	> 91dB unweighted > 96dB 'A' weighted
Channel separation	typically > 70dB
Inputs	6 Line
Input sensitivity	300mV
Power consumption	1000 watts (maximum)
Dimensions	475 x 164 x 540mm (W x H x D) Height includes feet, depth includes terminals and volume knob
Weight	30 kgs
Standard accessories	IEC type mains lead Remote control handset 2 x batteries (AA, SUM-3, CR6)

“I challenge you to put any disc, any CD player, any speaker on this amplifier, and not enjoy the result: an amplifier which manages that almost impossible feat - to be all things to all men.”

Hi-Fi News & Record Review

“Not since Muhamed Ali at his peak have power and grace been combined so successfully, and certainly not in a one-box amplifier”

Hi-Fi Choice



A1001 Class A Super Integrated Amplifier

Features

Benefits

High bias Class A/B operation

Gives the best sound quality due to constant current operation and reduced power supply noise modulation

Structured as completely separate preamp and dual monobloc power amplifiers in a single box

Provides the best of both worlds with the advantages of separated components but with perfect interconnection between them and without the need for potentially sound degrading interconnect cables

Three separate fully magnetically shielded mains transformers

Pre and Power amps all have their own supplies for reduced intermodulation giving solid imaging and a palpable bass response

Preamp and power amp sections are connected by removable links on the back panel

Allows the easy insertion of surround sound processors etc.

Additional second preamp output

Extra flexibility for use with surround sound systems, bi-amping or multi-room etc.

Fully discrete preamp design utilising high current pre-driver transistors

Pure Class A preamp circuit for very low distortion and the smooth, open sound characteristic of this type of operation

Full remote control

Armchair convenience

High power, high current output stage using 5 pairs of output transistors per channel

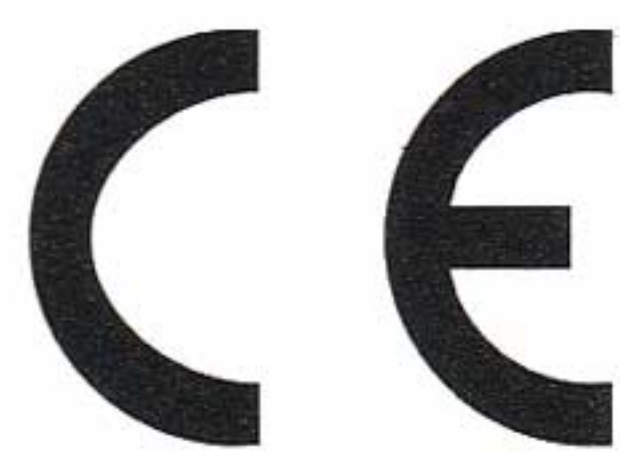
200 watts per channel (400 watts per channel into 4 ohms) with massive peak current capability gives the A1001 the ability to drive any speaker with ease and ensures exceptionally low distortion under transient or dynamic conditions

MUSICAL FIDELITY

When music matters most

Musical Fidelity Limited
MF House
15-17 Olympic Trading Estate Fulton Road, Wembley
Middlesex HA9 0TF
United Kingdom

Tel: +44 (0)181 900 2866



All Musical Fidelity units are CE compliant

Musical Fidelity reserves the right to make improvements which may result in specification or feature changes without notice. This brochure contains some advance product information, features and specifications of actual units may vary.