Accuphase

The Grand Prix Award Products

Accuphase stereo components known for their high quality and excellence in performance and design have continually won awards in Japan.

The Grand Prix Award on audio equipment in Japan is under the auspices of the Japanese Electronic Magazine "Radio Gijutsu". The selection of the award is held towards the end of each year by the Grand Prix committee consisting of eight famous Japanese audio commentators. Stereo components not only from Japan but every corner of the world are judged on the basis of performance and design, and the award is highly honored in Japan.

Out of the ten Accuphase models so far developed, following is a brief listing of the awards won in the respective years.

1974:	P-300	selected for honorable Grand Prix award, the best of all for the year
	C-200	selected as the best of the year in the category of Pre-Amplifier
1975:	T-101	selected as the best of the year in the category of Tuner
	E-202	selected as the best of the year in the category of Integrated Amplifier
1976:	M-60	selected as the best of the year in the category of Power Amplifier
1977:	P-20	selected as the best of the year in the category of Power Amplifier
1977:		"The Grand Prix Award" committee at the 7th Annual Stereo Components instituted a new award for equipment sold successfully in the Japanese market for long periods of time. The Accuphase Power Amplifier P-300 and Control Amplifier C-200 were picked for this first honorable award.

E-202
INTEGRATED STEREO AMPLIFIER

The Accuphase E-202 is a top class Integrated Amplifier with separate component grade features and characteristics. It delivers 100 Watts Per Channel RMS into 8 ohms with less than 0.1% distortion from 20 to 20,000Hz. This high power capability is backed up by heavy duty power transistors in a parallel push-pull drive output stage. The three position Speaker Damping Control allows one to gain the maximum performance from your speakers. The preamplifier section is loaded with features such as, Disc Low Enhancement, Subsonic Filter, Switchable Disc Impedance Selector and provision for connection of up to three tape decks with independent dubbing. The E-202 combines the best of separate components into a single unit with performance that rivals many.

POWER OUTPUT: (both channels driven from 20Hz to 20,000Hz with no more than 0.1% total harmonci distortion):
140 watts per channel, min. RMS, at 4 ohms
100 watts per channel, min. RMS, at 8 ohms
50 watts per channel, min. RMS, at 16 ohms

TOTAL HARMONIC DISTORTION: (from 20Hz to 20,000Hz at any power output from 1/4 watt to rated power)
4 ohms; 0.15% max.
8 ohms; 0.15% max.
16 ohms; 0.15% max.

INTERMODULATION DISTORTION: (High Level Input to Main Output)
will not exceed 0.1% at rated power output for any combination of frequencies between 20Hz and 20,000Hz

FREQUENCY RESPONSE:
Main Amp. Input: +0, −0.2dB
High Level Input: +0, −0.5dB
Low Level Input: +0, −1.0dB
(at rated power output from 20Hz to 20,000Hz)

DAMPING FACTOR: (at 8 ohms load, 20Hz to 20,000Hz)
with "SPEAKER DAMPING" switch set to;

"NORMAL"	"MEDIUM"	"SOFT"
50	5	1

INPUT SENSITIVITY AND IMPEDANCE:
Disc 1; 2.5-5mV*; 30K ohms, 47K ohms, 100K ohms
Disc 2; 2.5mV; 47 kohms
High Level Input: 160mV; 100K ohms
Main Amp. Input: 1.0V; 100K ohms
(*2.5-5mV variable)

MAXIMUM INPUT FOR LOW LEVEL INPUT:
Disc 1; 300mV RMS at disc level control maximum for 1kHz
Disc 1; 600mV RMS at disc level control minimum for 1kHz
Disc 2; 300mV RMS
(distortion 0.05% at 1 kHz)

OUTPUT LEVEL AND IMPEDANCE:
Preamp. Output; 1.0V, 600 ohms (at rated input level)
Tape Rec. 1, 2; 160mV, 200 ohms (at rated input level)

HEADPHONE JACK:
For listening with low impedance (4-32 ohms) dynamic stereo headphones

VOLTAGE AMPLIFICATION IN DECIBELS:
Main Amp. Input to Output; 29 dB
High Level Input to Preamp. Output; 16dB (at VOLUME control maximum)
Low Level Input to Tape Rec.; 36dB (Disc 1 level control provides 6dB variation)

HUM AND NOISE:
Main Amp. Input; 94dB below rated output
High Level Input; 80dB below rated output
Low Level Input; 74dB below rated output
when adjusted for 10mV input at 1kHz

BASS/TREBLE controls: 10-step Rotary Switch for both channels with ON-OFF switch. Tone is varied in 2 dB steps.
BASS turnover frequency; 400Hz, ±10dB at 100Hz
TREBLE turnover frequency; 2.5kHz, ±10dB at 10,000Hz

VOLUME control: Less than 1dB tracking error.
COMPENSATOR: ON position boosts low frequencies for low level listening.
+9dB boost at 50Hz when the volume knob is adjusted to −30dB position.

DISC LOW ENHANCEMENT (for Disc Input):
+1dB at 100Hz to RIAA standard characteristics with "LOW ENHANCE" switch set to ON position.

FILTERS:
Disc Subsonic Filter; 25Hz cutoff 6dB/oct
Low Filter; 30Hz cutoff 18dB/oct
High Filter; 5kHz cutoff 12dB/oct

POWER LEVEL METER:
Meter is calibrated to read 0dB when amplifier produces 100 watts into 8 ohms load.
METER RANGE switch is provided to increase meter sensitivity by 10dB or 20dB.

OUTPUT LOAD IMPEDANCE: 4, 8 and 16 ohms

POWER REQUIREMENT:
Voltage selector for 100V, 117V, 220V, 240V 50/60Hz operation
Consumption: 70 watts at zero singal output
375 watts at rated power output into 8 ohms load

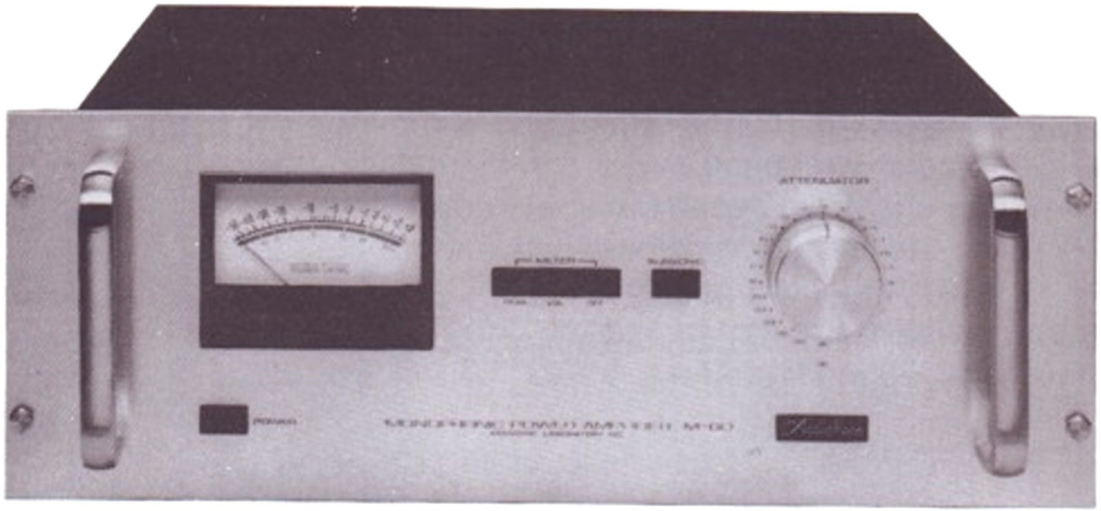
SEMICONDUCTOR COMPLEMENT:
53 Transistors, 4 FET's, 44 diodes, 2 Thermistors

DIMENSIONS: 455mm (18 inches) wide, 152mm (6 inches) high, 355mm (14 inches) deep

WEIGHT: 19.5 kgr. (42.9 lbs.) net, 23.8 kgr. (52.3 lbs) in shipping carton.

Accuphase

M-60
MONOPHONIC POWER AMPLIFIER



The ACCUPHASE Monophonic Power Amplifier Model M-60 was completed after extensive engineering efforts in which perfection was sought without compromises. Monophonic design was chosen to completely eliminate any possibility of inter-channel interferences from power supply circuit and wirings, and also to feature a handy weight so that it can be handled even by one person. The M-60 provides 19" rack mounting facilities and a cannon type input terminal for studio monitor or PA system applications.

***Guaranty Specifications**

Performance Guaranty:
Products of Accuphase guarantee specifications stated.

POWER OUTPUT:
(from 20Hz to 20,000Hz with no more than 0.1% total harmonic distortion):

450 watts, min. RMS, at 4 ohms
300 watts, min. RMS, at 8 ohms
150 watts, min. RMS, at 16 ohms

TOTAL HARMONIC DISTORTION:
(from 20Hz to 20,000Hz at any power output from 1/4 watt to rated power): 4 ohms; 0.1% max.
8 ohms; 0.1% max.
16 ohms; 0.1% max.

INTERMODULATION DISTORTION:
will not exceed 0.1% at rated power output for any combination of frequencies between 20Hz and 20,000Hz

FREQUENCY RESPONSE:
20Hz to 20,000Hz; +0, -0.2dB at rated power output
2Hz to 90,000Hz; +0, -3dB at rated power output

DAMPING FACTOR: 45 (at 8 ohms load, 20Hz to 20,000Hz)

RISE TIME: 3 μSec.

SLEWING RATE: 25 V/μSec.

INPUT SENSITIVITY AND IMPEDANCE:
2.0 Volts, 100 Kohms, for rated output at the maximum level control

HUM AND NOISE: 100dB below rated output

OUTPUT LOAD IMPEDANCE: 4, 8 and 16 ohms

SUBSONIC FILTER: cutoff frequency: 17Hz, 18dB/oct.

POWER LEVEL METER:
switchable for Volume Level and Peak Level, calibrated to read 0dB = 300 watts into 8 ohms load and capable of directly reading down to -50dB (3 mW)

ATTENUATOR: precision, 1dB stepping type

POWER REQUIREMENT:
voltage selector for 100V, 117V, 220V, 240V 50/60Hz operation
Consumption: 65 watts at zero signal output
540 watts at rated output (8 ohms load)
800 watts at rated output (4 ohms load)

SEMICONDUCTOR COMPLEMENT: 47 transistors, 51 diodes, 3 IC's

DIMENSIONS:
482mm (19 inches) wide, 170mm (6-11/16 inches) high, 345mm (13-9/16 inches) deep
*mountable on 19" standard rack. rack mount pitch; 100mm (4") rack inside horizontal measurement; 430mm (16-15/16")

WEIGHT:
27kgs (59.4 lbs) net, 32kgs (70.4 lbs) in shipping carton