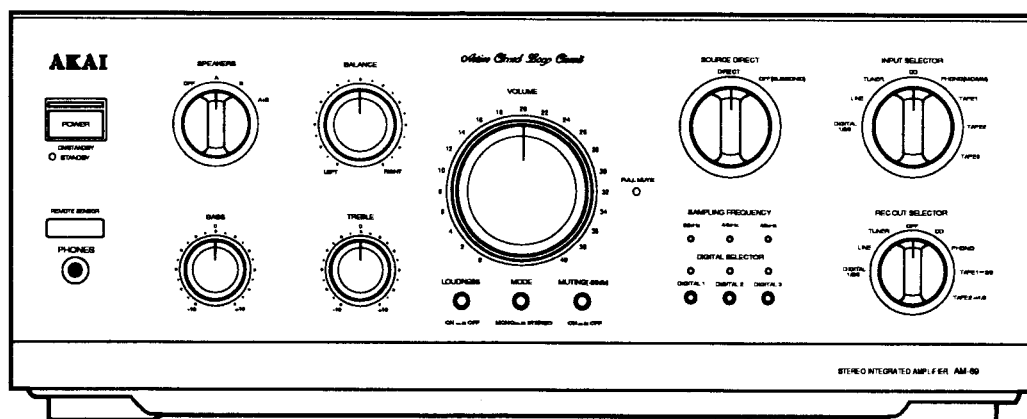


AKAI SERVICE MANUAL



MODEL AM-69

DIGITAL INTEGRATED AMPLIFIER

MODEL AM-59, 69

SPECIFICATIONS

Power output		Cross talk	
AM-69	220 W+220 W (DIN, 4 ohms at 1 kHz, 1%)	CD to Phono	90 dB (1 kHz, 500mV input level)
	110 W + 110 W (FTC, 8 ohms at 20 Hz to 20 kHz, 0.05 %)	CD to Tuner/Tape	90 dB (1 kHz, 500mV input level)
AM-59	200W + 200 W (DIN, 4 ohms at 1 kHz, 1%)	Required speaker impedance	
	100 W+100 W (FTC, 8 ohms at 20 Hz to 20 kHz, 0.05 %)	A or B	4 to 16 ohms
Power band width	5 Hz to 60 kHz (0.1 %)	A and B	8 to 16 ohms
Total harmonic distortion	0.005 % (1 kHz, 8 ohms)	Power requirements	220-230 V, 50 Hz for Europe except U.K.
Frequency response	5 Hz to 100 kHz (+0 dB, -3 dB)	Power consumption	
Tone control		AM-69	400 W
Bass	± 10 dB (100 Hz)	AM-59	300 W
Treble	± 10 dB (10 kHz)	Dimensions	425 (W) X 177 (H) X 401 (D) mm
Input level / Impedance		Weight	
Phono (MM)	2.0 mV / 47 kohms	AM-69	14.7 kg
Phono (MC)	200 µV / 100 ohms	AM-59	13.8 kg
Tuner, CD, Tape	150 mV / 47 kohms	[DIGITAL section (AM-69 only)]	
Maximum input level		D/A converter	Interpolative one bit dual type
Phono (MM)	170 mV	Digital filter	18 bit, 8 times over sampling
Tuner, CD, Tape	9 V (at tone control flat)	Sampling frequency	32 kHz / 44.1 kHz / 48 kHz
Damping factor	120 (1 kHz, 8 ohms)	Digital input level	
Residual noise	0.1 mV (IEC-A)	Coaxial	0.5 Vp-p / 75 ohms
S/N ratio		Optical	- 14 dBm to - 23dBm
Phono (MM)	86 dB (IEC-A)	Frequency response	5 Hz to 20 kHz (± 0.3 dB)
Phono (MC)	71 dB (IEC-A)	Dynamic range	96 dB
Tuner, CD, Tape	102 dB (IEC-A)	Total harmonic distortion	0.002 %
Audio mute	- 20dB	Standard accessory	
Full mute	- 70 dB	Remote control unit	x 1
Channel separation	65 dB (1 kHz) / 55 dB (10 kHz)	Batteries for remote control	x 2
		Operator's manual	x 1

* For improvement purposes, specifications and design are subject to change without notice.