SPECIFICATIONS

Continuous Power Per Channel
20 Hz—20 kHz 0.015% THD, 8 ohms ..... 50 W
1 kHz 0.015% THD, 8 ohms ..... 55 W
DIN Standard Output Power Per Channel
1 kHz 1% THD, 4 ohms ..... 70 W
Dynamic Power
1 kHz 1% THD 8/4/2 ohms
..... 85 W/115 W/120 W
PMPO ..... 230 W
Power Bandwidth
0.05% THD, 25 W, 8 ohms ..... 10 Hz—50 kHz
Damping Factor
50 Hz, 8 ohms 50
1 kHz, 8 ohms 50
Input Sensitivity/Impedance
Phono MC ..... 160 μV/100 ohms
Phono MM ..... 2.5 mV/47 kohms
AUX/TAPE/TUNER ..... 150 mV/30 kohms
Input Sensitivity (New IHF)
Phono MC ..... 23 μV
Phono MM ..... 0.35 mV
AUX/TAPE/TUNER ..... 21 mV
Maximum Input Level
0.02% THD, 1 kHz
Phono MC ..... 11 mV
Phono MM ..... 155 mV
Output Level/Impedance
Rec Out ..... 150 mV/600 ohms
Headphone Jack Rated Output
0.015% THD ..... 0.7 V/8 ohms
Headphone Output Impedance ..... 220 ohms
Frequency Response
AUX/TAPE/TUNER ..... 20 Hz—20 kHz +0/−0.5 dB
MAIN IN ..... 20 Hz—20 kHz +0/−0.5 dB
RIAA Equalization Deviation
Phono MC RIAA ..... ±0.8 dB
Phono MM RIAA ..... ±0.5 dB
Total Harmonic Distortion (20 Hz—20 kHz)
Phono MC to REC Out 3 V 0.01%
Phono MM to REC Out 3 V 0.007%
AUX/TAPE/TUNER to SP Out 25 W,8 ohms
..... 0.01%
Intermodulation Distorsion (AUX/TAPE/TUNER)
Rated Output, 8 ohms 0.01%
1 W, 8 ohms 0.005%
Signal to Noise Ratio (IHF-A-Network)
Phono MC (500 μV Input Shorted) ... 74 dB (72 dB*)
Phono MM (5 mV Input Shorted) ..... 90 dB (82 dB*)
AUX/TAPE/TUNER (5.1 kohms) ..... 100 dB
Signal to Noise Ratio (New IHF)
Phono MC (500 μV, 1 W, 8 ohms) ..... 72 dB
Phono MM (5 mV, 1 W, 8 ohms) ..... 76 dB
AUX/TAPE/TUNER (0.5V, 1 W, 8 ohms) ..... 85 dB
Residual Noise (IHF-A-Network)
..... 160 μV
Channel Separation
(Phono MM, AUX, TAPE) 40 Hz ..... 80 dB
1 kHz ..... 60 dB
10 kHz ..... 40 dB

Tone Control Characteristics
BASS boost/cut ..... ±10 dB (20 Hz)
BASS turnover frequency ..... 350 Hz
TREBLE boost/cut ..... ±10 dB (20 kHz)
TREBLE turnover frequency ..... 3.5 kHz
Continuous Loudness Control
(Level-related equalization)
Attenuation ..... 20 dB (1 kHz)
Gain Tracking Error (0— −60 dB) ..... 2 dB
Power Supply
U.S. and Canadian models ..... AC 120 V 60 Hz
European model ..... AC 220 V 50 Hz
British and Australian models ..... AC 240 V 50 Hz
Other area model ... AC 110/120/220/240 V 60/50 Hz
Power Consumption
U.S. model ..... 210 W
Canadian model ..... 210 W 270 VA
British, Australian and European models ..... 290 W
Other area model ..... 210 W
Dimensions (W×H×D) ..... 435×112×327 mm
(17-1/8"×4-7/16"×12-7/8")
Weight
U.S., Canadian and other area models ..... 5.9 kg
(13 lbs.)
British, Australian and European models ..... 6.2 kg
(13 lbs. 10 oz.)

Specifications subject to change without notice.
**European model*

TROUBLESHOOTING

Before assuming that your amplifier is faulty, check it according to the following troubleshooting list which details the corrective action you can take yourself without having to call a service engineer. If you have any doubts or questions, get in touch with your nearest Yamaha dealer.

Fault	Cause	Cure
Power is not supplied even though the Power switch is turned on	The power plug is not securely plugged in.	Plug it is securely.
There is no sound with any input selector button pressed.	The Speaker switches is not set correctly.	Set the Speaker switches correctly.
	The input cords are not connected securely.	Connect them securely.
	The speaker system is not connected correctly.	Check and secure connections.
There is no sound from one speaker.	The speaker connections are not secure.	Secure the connections.
	The Balance control is set all the way to the left or right.	Adjust the Balance control correctly.
There is a lack of bass and no ambience.	The + and − cords have been reversed at the amp or the speakers.	Connect the speaker wires in the correct phase (+ and −).
There is a humming sound when playing records	The input cords are not connected securely.	Plug the input cords in securely.
	The turntable's ground wire not connected.	Connect the ground wire.
There is a howling sound when playing records at high volume	The turntable and the speakers are too close together or the turntable is not mounted on a firm surface.	Change the location of the turntable or the speakers.