7.3 INTEGRATED AMPLIFIER C51

General

Weight	23 kg / 50.7 lbs
Dimensions (without cables)	W 45,0 cm / D 45,2 cm / H 14,5 cm W 17.7 in / D 17.5 in / H 5.7 in
Dimensions with packaging	W 59,0 cm / D 54,0 cm / H 35,5 cm W 23.2 in / D 21.3 in / H 21.9 in
Line Voltage	230 Vac / 50 Hz or 115 Vac / 50/60 Hz (single voltage, factory setting depending on country)
Power consumption	
in stand by	< 0.5 VA
in idle	< 70 VA
Maximum	< 1000 VA (w. 2 x 300 W @ 4 Ohm)

Connections

Inputs

RCA unbalanced	2 x MBL CD1 / CD2 2 x Tuner AUX1 / AUX2 1 x Processor By-Pass
XLR balanced (unity gain)	1 x Symmetrical
Options	1 x optional Phono Module (RCA)

Outputs

RCA unbalanced	1 x Variable Out 1 x Fixed Record Out
Loudspeaker	1 x pair Loudspeaker Binding Posts
Other	Ground Terminal 2 x MBL SmartLink

Preamplifier Section

Output Level / Maximum Output

Variable unbalanced RCA Outputs	0 ... 5 V @ 2 V Input, max 1.7 V *1 (According to Volume Setting) *1: Input Voltage for Rated Power
Fixed Record Output	2 V @ 2 V Input, max. 8 V
Nominal / Maximum Input Level (All Inputs except Phono)	2 V / 8V (According to Volume Setting)
Absolute Polarity	In-Phase (RCA / XLR Pin2)
Frequency Range (All Inputs and Outputs except Phono)	DC - > 200 kHz

Output Impedance	
All RCA Outputs	100 Ohm
Input Impedance	
CD and Processor By-Pass Inputs	≥ 5 kOhm
AUX Inputs	50 kOhm
XLR Input	10 kOhm
Signal to Noise Ratio (All Inputs and Outputs except Phono)	> 110 dB (A) @ 2 V Input, Volume set to 0 dBr / unity gain
Channel Separation (All Inputs and Outputs except Phono)	> 100 dB @ 1 kHz
Total Harmonic Distortion + Noise (All Inputs and Outputs except Phono)	< 0.001 % @ 2V Input / 1kHz, Volume set to 0 dBr / unity gain

Power Amplifier Section	
Rated Power	
Stereo 4 Ohm	2 x 300 W
Stereo 8 Ohm	2 x 180 W
Stereo 2 Ohm	2 x 400 W
Peak Output Voltage	62 Vp
Peak Output Current	20 Ap
Input Sensitivity (RCA / XLR)	100 mV for 1 W @ 4 Ohm
Rated Input Voltage (RCA / XLR)	1.70 V for 300 W @ 4 Ohm
Voltage Gain	20 (26 dB)
Absolute Polarity	In-Phase
Signal / Noise Ratio @ Rated Output	122 dB (A) @ 300 W / 4 Ohm
Signal / Noise Ratio @ 1 Watt	98 dB (A) @ 1 W / 4 Ohm
Equivalent Input Noise	124 dB (A) @ 2 V Input
Frequency Response	< 10 Hz – 45 kHz
Distortion THD+N	Typ. 0.01 % @ 3 W from 20 Hz ... 20 kHz
Damping Factor	> 100 (40 dB) @ 1 kHz / 4 Ohm
Channel Separation	> 90 dB @ 1 kHz