

## 9. Specifications

### General

Weight	20.2 kgs / 45 lbs
Dimensions (without cables) W x H x D	452 x 157 x 440 mm / 17.8" x 6.2" x 17.3"
Line Voltage	230 Vac / 50 Hz or 115 Vac / 50/60 Hz (single voltage, factory setting depending on country)
Power consumption	
in stand by	< 20 VA
in idle	< 40 VA
Maximum	< 1000 VA (w. 2 x 300 W @ 4 Ω)

### Connections

Inputs: RCA unbalanced	2 x MBL CD1 / CD2 1 x Tuner 1 x Processor By-Pass
XLR balanced unity gain Option	1 x Symmetrical 1 x optional Phono Module (RCA)
Outputs: RCA unbalanced	1 x Variable Out 1 x Fixed Record Out  1 pair Loudspeaker Binding Posts
Other:	Case (Ground) Terminal 2 x MBL Remote Out

### Specifications

#### Preamplifier Section:

#### Output Level / Maximum Output Level

Variable unbalanced RCA Output 0 ... 5 V @ 2 V Input, max 1.7 V \*<sup>1</sup>  
(According to Volume Setting)

\*1: Input Voltage for Rated Power  
(switch Power Amp-On only with Speaker Load connected)

Fixed Record Output 2 V @ 2 V Input, max. 8 V

Nominal / Maximum Input Level 2 V / 8V  
(All Inputs except Phono)

Absolute Polarity In-Phase (RCA / XLR Pin2)

Frequency Range DC - > 200 kHz  
(All Inputs and Outputs except Phono)

<b>Output Impedance</b>	
All RCA Outputs	100 Ω
<b>Input Impedance</b>	
CD and Processor By-Pass Inputs	≥ 5 kΩ
AUX Inputs	50 kΩ
XLR Inputs	10 kΩ
<b>Signal to Noise Ratio</b> All Inputs and Outputs (except Phono)	> 110 dB (A) @ 2 V Input Volume set to 0 dBr / unity gain
<b>Channel Separation</b> All Inputs and Outputs (except Phono)	> 100 dB @ 1 kHz
<b>Total Harmonic Distortion + Noise</b> All Inputs and Outputs (except Phono)	< 0.001 % @ 2V Input / 1kHz Volume set to 0 dBr / unity gain
<b>Power Amplifier Section:</b>	
<b>Rated Power</b>	
Stereo 4 Ω	2 x 300 W
Stereo 8 Ω	2 x 180 W
Stereo 2 Ω	2 x 400 W
<b>Peak Output Voltage</b>	62 Vp
<b>Peak Output Current</b>	20 Ap
<b>Input Sensitivity (RCA / XLR)</b>	100 mV for 1 W @ 4 Ω
<b>Rated Input Voltage (RCA / XLR)</b>	1.70 V for 300 W @ 4 Ω
<b>Voltage Gain</b>	20 (26 dB)
<b>Absolute Polarity</b>	In-Phase
<b>Signal / Noise Ratio @ Rated Output</b>	124 dB (A) @ 300 W / 4 Ω
<b>Signal / Noise Ratio @ 1 Watt</b>	100 dB (A) @ 1 W / 4 Ω
<b>Equivalent Input Noise</b>	126 dB (A) @ 2 V Input
<b>Frequency Response</b> (Avg. of Small / Large Signal)	< 10 Hz – 45 kHz Avg. of 1 W / 220 Watt @ 4 Ω
<b>Distortion THD+N</b>	Typ. 0.01 % @ 3 W from 20 Hz ... 20 kHz
<b>Damping Factor</b>	> 100 (40 dB) @ 1 kHz / 4 Ω
<b>Channel Separation</b>	> 95 dB @ 1 kHz

Design and specifications are subject to change without notice.