

Appendix A: Target Performance Specifications

Performance	CSMA 180	CSMA 1120	CSMA 240	CSMA 280	CSMA 2120
Max Output Power per Channel into 4 Ω or 8 Ω ; 1kHz, \leq 0.5% THD	80W	120W	40W	80W	120W
Insertion Loss (70V & 100V outputs)	1 dB maximum				
Continuous Power per Channel	10W	15W	5W	10W	15W
Number of Input Channels	4	4	8	8	8
Number of Output Channels	1	1	2	2	2
Line Output level	5.0V _{RMS} into 10k Ω				
Input Sensitivity to obtain full rated power at 8 Ω (or 5V _{RMS} to line out)	Mic Input: 3mV _{RMS} Line Input: 775 mV _{RMS} RCA Input: 300mV _{RMS}				
Frequency Response (measured at 2.83V _{RMS} into rated load impedance at any output)	4/8 Ohm Output: 20Hz - 20kHz, +/-2dB 70V/100V Outputs: 80Hz - 15kHz +/-2dB Line Out: 20Hz - 20kHz, +/-1dB				
Total Harmonic Distortion (THD) (measured at 2.83V _{RMS} into rated load impedance at any output)	Power Amp Output: <0.5%, 20Hz - 20kHz Line Output: 0.05% typical				
Signal-to-Noise Ratio (Ref. Rated Power, mixer levels @ min., master volume @ max. A-weighted)	>90dB				
Input Impedance (nominal)	Mic: 400 Ω Line: 20 k Ω (balanced) RCA: 50 k Ω				
Phantom Power	27VDC				
Crosstalk (reference rated power, volume at mid position, 1kHz)	-70 dB				
Nominal AC Line Voltages	100-240V, 50/60 Hz				
Minimum Load Impedance Low Impedance Output 70V Output 100V Output	4 Ω 60 Ω 120 Ω	4 Ω 40 Ω 80 Ω	4 Ω 120 Ω 240 Ω	4 Ω 60 Ω 120 Ω	4 Ω 40 Ω 80 Ω
Operating Temperature/Humidity	0°C to 35°C @ 95% R.H. (non-condensing)				
Storage Temperature	-20°C to 85°C				
Dimensions & Weight					
Net Weight (preliminary estimate)	6.8 lb (3.1 kg)	7.1 lb (3.2 kg)	10.6 lb (4.8 kg)	11.9lb (5.4 kg)	12.1 lb (5.5 kg)
Dimensions	Width: 8.6 in. (218.5 mm) Depth: 11.9 in. (303.4 mm) Height: 1.7 in. (43.3 mm)		Width: 17.2 in. (436.9 mm) Depth: 11.9 in. (303.4 mm) Height: 1.7 in. (43.3 mm)		
Shipping Weight	9.9 lb (4.5 kg)	10.1 lb (4.6 kg)	13.9 lb (6.3 kg)	15.2 lb (6.9 kg)	15.5 lb (7.0 kg)

Note: For AC power draw and thermal dissipation information, please visit our website. www.jblcommercialproducts.com