

SOUNDMASTER

PROFESSIONAL THREE CHANNEL POWER AMPLIFIER

PRO3000 SUB



TECHNICAL SPECIFICATIONS

Input channel	2 (A, B)
Output channels	3 (A, B, Sub)
Output stage	Mosfet, class D device
Output stage power supply (max)	$\pm 68V$
PWM frequency	400kHz ± 25 kHz
Power supply filter capacity	94000 μ F

Output power (1ch, 20Hz \div 20kHz, TDH 0,5%, 230V/50Hz, Limiter off)	
into 8 Ω out A (out B)	$\geq 270W$
into 4 Ω out A (out B)	$\geq 500W$
into 2 Ω out A (out B)	$\geq 800W$
into 8 Ω out Sub	$\geq 1000W$
into 4 Ω out Sub	$\geq 1600W$

Dynamic power (out Sub, 100Hz, 4 Ω , 50ms)	2230W
Dynamic power (out A/out B 1kHz, 2 Ω , 50ms)	1100W
Max output voltage (out Sub, 100Hz, TDH 1% no load)	96V RMS
Max output voltage (out A/out B 1kHz, TDH 1%, no load)	48V RMS
Minimal load impedance (protection limited)	
out A(out B)	1,5 Ω
out Sub	3 Ω

Frequency response (+0dB -3dB, out A(out B), Low cut off)	7Hz \div 28kHz
Low cut (custom made filter parameter possible)	75Hz, 6dB/oct
Variable Sub out hight cut frequency (custom made filter parameter possible)	70Hz \div 200Hz, 12dB/oct
Voltage gain	40
Input sensitivity	1,1V RMS (+3dB)
Max input level	7,75V RMS/+20dB
TDH (20Hz \div 20kHz, -3dB, out A (out B))	$\leq 0,15\%$
TDH (20Hz \div 200Hz, -3dB, out Sub)	$\leq 0,09\%$
Slew rate out A (out B) (ultrasonic filter off)	$\geq 45V/\mu s$
Damping factor (into 8 Ω , 20Hz \div 1kHz)	≥ 250
Signal/Noise ratio (limited 20Hz \div 20kHz)	$\geq 95dB$
DC output offset	$\pm 20mV$

Protections short circuit, DC out, thermal cut off, limiter, slow start, rail over voltage, rail under voltage

Short circuit protection self reset time	10s
Cooling	Variable speed DC fan
AC power consumption (max)	220V/50Hz $\pm 10\%$, $\sim 3600W$
AC power consumption (full music load)	220V/50Hz $\pm 10\%$, $\sim 1600W$
Weight	26kg

