

SOUNDMASTER

PROFESSIONAL POWER AMPLIFIER

PRO 8000



TECHNICAL SPECIFICATIONS

Output channels	8
Output stage	MOSFET, class D device
Output stage power supply (max)	$\pm 68V$
PWM frequency	400 $\pm 25KHz$
Power supply filter capacity	56400 μF
Output power (1KHz, TDH = 1%, 230V/50Hz, limiter off)	
into 8 Ω	8x300W
into 4 Ω	8x550W
into 2 Ω	8x900W
into 4 Ω bridged	4x1900W
into 8 Ω bridged	4x1100W
Output power (20Hz \div 20KHz/ TDH = 0.5%, 230V/50Hz, limiter off)	
into 8 Ω	8x250W
into 4 Ω	8x500W
into 2 Ω	8x800W
into 4 Ω bridged	4x1600W
into 8 Ω bridged	4x1000W
Dynamic power (1ch., 1KHz, 4 Ω bridge, 50ms)	2230W
Max output level (1KHz, TDH 1%, bridge, no load)	96V RMS
Frequency response (+0dB, -3dB)	10Hz \div 20KHz
Voltage gain	32
Input sensitivity	+5dB
Max input level	+21dB
TDH (20Hz \div 20KHz, -3dB, parallel)	$\leq 0.25\%$
TDH (20Hz \div 20KHz, -3dB, bridge)	$\leq 0.15\%$
Slew rate	45V/ μs
Damping factor (into 8 Ω , 20Hz \div 1KHz)	≥ 250
Signal/Noise ratio	$\geq 95dB$
DC output offset	$\pm 20mV$
Protections	short circuit, Dc out, thermal cut off, limiter, slow start, rail over voltage, rail under voltage
Cooling	variable speed DC fan
AC power consumption (max)	220V/50Hz $\pm 10\%$, 8300W
AC power consumption (full music load)	220V/50Hz $\pm 10\%$, $\sim 4000W$
Weight	27kg