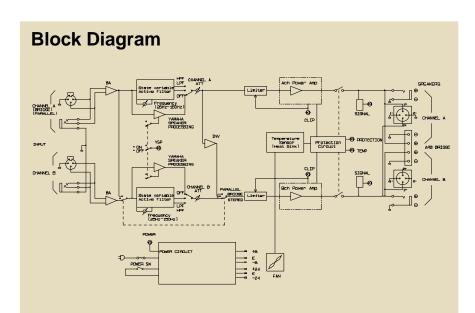
Specifications

			D7000C	DENNO	Darung	Darung
Output Power		8Ω/STERE0	P7000S 750W+750W	P5000S 525W+525W	P3500S 390W+390W	P2500S 275W+275W
outhur Lower	1kHz	4Ω/STEREO	1100W+1100W	750W+750W	590W+590W	390W+390W
	THD+N=1%	8Ω/BRIDGE	2000W	1500W	1180W	780W
		8Ω/STERE0	700W+700W 650W+650W (230V)*	500W+500W	350W+350W	250W+250W
	20Hz–20kHz	4Ω/STERE0	950W+950W	700W+700W	450W+450W	310W+310W
	THD+N=0.1%	8Ω/BRIDGE	1900W	1400W	900W	620W
	1kHz	2Ω/STERE0	1600W+1600W	1300W+1300W	1000W+1000W	650W+650W
	20mS nonclip	4Ω/BRIDGE	3200W	2600W	2000W	1300W
Power Bandwidth	<u> </u>	halfpower		10Hz-40kHz (ΓHD+N=0.5%)	
THD+N 20Hz–20kHz, half power			≤0.1%			
Intermodulation Distortion 60Hz: 7kHz, 4:1, half power			≤0.1%			
Frequency Response Po=1W, RL=8 Ω		0dB, +0.5dB, -1dB f=20Hz-50kHz				
$\begin{array}{ccc} \textbf{Channel Separation} \\ & \text{half power} & \text{RL=8}\Omega \\ & \text{Att.max} & \text{input } 600\Omega \text{ shunt} \end{array}$			≥70dB 1kHz			
Residual noise A	tt. min	DIN AUDIO		≤-7		
S/N ratio		DIN AUDIO	104dB	103dB	102dB	100dB
Damping Factor	RL=8Ω	1kHz	≥3	50	≥2	00
Sensitivity $@8\Omega$		Att.max	+8dB	+6dB	+4dB	+3dB
Voltage Gain Att.max			32.1dB			
Input Impedance			30 K Ω (balance) 15 k Ω (unbalance)			
Controls Front Panel		POWER switch (push on/push off) attenuator (31position) × 2				
		Rear Panel	FI FF	IODE switch (STEREC LTER switch (SUB W REQ.CONTROL (25Hz AMAHA SPEAKER PR	00FER/LOW CUT/0F -150Hz) × 2	F) × 2
Connectors		Input	XLR-3-31 type/ch 1/4" TRS/ch			
		Output	SPEAKON, 5way biding post, 1/4" phone/ch			
Indicators POWER PROTECTION TEMP YS PROCESSING SIGNAL CLIP			×1 (Green) ×1 (Red) ×1 (Red) heatsink temp ≥85°C ×1 (Yellow) ×2 (Green) ×2 (Red)			
Load Protection			POWER switch on/off mute DC-fault power supply shutdown (P7000S/5000S) DC-fault power output cut (P3500S/2500S)			
Amplifier Protection			Thermal (heatsink temp≥90°C) VI limitter (RL≤1Ω)			
Limitter Circuit				omp. :THD≥0.5%		
Cooling				ual variable-speed far	n Single variable-sp	eed fan
Power Requirements			US and Canadian model 120V 60Hz European model 230V 50Hz Australian model 240V 50Hz			
ldle Power Consu	ımption		35W	35W	30W	25W
1/8 Power Consu	mption	(4Ω)	700W	550W	450W	320W
Maximum Dawar	Consumption	(4Ω)	4000W	3000W	2000W	1600W
Maximum Power						
Dimensions (W ×	H×D)		480 >	× 88 × 456 mm (18-7	/8" × 3-7/16" × 17-15	5/16")

^{• 0}dB=0.775V • half power=1/2 output power

[•] Specifications and appearances are subject to change without notice.





- All components used in this device have passed Yamaha's stringent quality control.
- This device is designed to comply with the safety standards of, and is certified by, the following organizations. (UL, CSA, SEMKO...)
- Yamaha has gained accreditation from NVLAP* as an in-house testing facility for electromagnetic compatibility and telecommunications.
- * The NVLAP is the National Voluntary Laboratory Accreditation Program that is administered by the United States' NIST (National Institute of Standards and Exchology) which, based on the ISO Guide 25, strictly checks the overall quality systems, the facilities and its employees.









YAMAHA Web Site

http://www.yamaha.co.jp/english/ http://www.yamaha.co.jp/product/proaudio/homeenglish/



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P7000S/P5000S P3500S/P2500S



^{*}Output power into 8Ω stereo (20Hz–20kHz) on the P7000S 230V model is 650W + 650W.

Robust Power Output, Superfor Audio Quality, Efficient Operation, and Excellent Cost Performance

Yamaha's audio engineers have designed the new P-Series Power Amplifiers as perfect mates to the popular Club Series loudspeakers. To achieve this, they provided them with big power output that matches the power handling capabilities of the Club Series Speakers, and equipped them with YS Processing (Yamaha Speaker Processing) to deliver a signal that is tuned to the needs of these loudspeakers.

Big power output is evident in their power ratings, from 3200 watts for the P7000S to 1300 watts from the P2500S, operating at 4-ohms bridged. This power output also best matches the power handling capabilities of our Club Series Speakers. So, if you want to drive a pair of Club S115s with 500-watt program ratings, the P5000S, with 500-watts per channel into 8-ohms, makes it the perfect choice.

Further matching is found in Yamaha's proprietary YS Processing. Each model is equipped with this specially designed circuit that delivers output tailored to the specific response of the Club Series speakers for superior audio

quality and performance. All models feature both XLR and 1/4-inch TRS inputs and Neutrik Speakon[™], phone plug, and 5-way binding post outputs to make connections quick and easy.

Other features include Yamaha's exclusive EEEngine technology which delivers high performance



Big Output Power Delivered with Great Efficiency

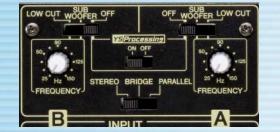
The new P-Series Power Amplifiers deliver a robust amount of professionalquality power in a wide range of configurations designed to suit most any need. In a 4ohm bridged application, the P7000S delivers 3200 watts, the P5000S delivers 2600 watts, the P3500S 2000 watts, and the P2500S 1300 watts.

Those on a budget will find the lineup's high power output and affordable prices deliver higher quality without putting a strain on funds. Further savings are realized with extremely efficient operation utilizing Yamaha's exclusive EEEngine technology which keeps operational costs down by significantly reducing AC power consumption and heat generation.

The Perfect Match with Your Club Speakers

The new P-Series Power Amplifiers can be used with any loudspeaker system, but if you're using our Club Series, they will provide power and performance tailored to deliver maximum performance from your system. In an 8-ohm stereo application power output per channel on the P7000S is 700 watts (650 YS Processing watts on the

230V model), the P5000S 500 watts, the P3500S 350 watts, and the P2500S 250 watts. This wide selection lets you choose the amplifier that best matches the power handling capabilities of your speaker system



All four models are equipped with independent sweepable high and low pass filters on each channel so you can optimize output for subwoofer or full range systems to provide peak audio quality and performance from any speaker system you may be usina.

Light Weight Keeps Transport and Setup Easy

Look at the specifications and you'll notice that the P2500S and P3500S are respectably light in weight making transport and setup less strenuous. What's amazing though, is the comparison in weight per watt when you look at the P5000S and P7000S. The use of a switching power supply makes these two models very lightweight while maintaining superior audio quality.

Flexible Connectivity

To provide the most flexible connectivity possible, all four models are equipped with

Neutrik Speakon[™] output jacks, and 1/4-inch output jacks for each channel in



addition to 5-way binding post. Channel inputs consist of both XLR and 1/4-inch TRS jacks.

* Speakon is the registered trademark of Neutrik AG.

Other Features

The new P-Series' industrial design delivers a refined and impressive look with deep blue faceplates bordered in silver trim, handles, and mounts. The chassis is specially designed to provide added durability and strength. Continuously variable-speed fans mounted internally on either side of the front panel offer quiet, efficient cooling. Comprehensive protection consists of power on/off muting, DC detection, thermal protection, current limiting, and a protective cover for the attenuators is also supplied.



YS Processina

EEEnaine

EEEngine (Energy Efficient Engine) Technology makes more efficient use of AC power by reducing power consumption and heat generation without degrading output power or

sound quality. When power requirements are low, the system uses a highly efficient current

buffer to transparently switch input power on

increase, an independently responding auxiliary

and off as needed. As power requirements

power line supplies additional power as

required. Output isn't compromised, as the

auxiliary power line is driven by the power

supply voltage, which maintains maximum

Power Consumption Comparison

output to the speaker load.

With YS Processing (Yamaha Speaker Processing), you get direct compatibility with our popular Club Series loudspeaker systems. This special circuit optimizes output from the power amplifier to match the characteristics of Club Series speaker systems delivering a signal that is precisely what the speaker requires. With the YS Processing system. extra-smooth highs and enhanced lowfrequency from your Club Series loudspeaker system is assured.

P7000S Front Pane





