

PX10	PX8	PX5	PX3		
100V models					
Output power; 1kHz Non-clip 20msec Burst Both channels driven	8Ω	1000W x 2	800W x 2	500W x 2	300W x 2
	4Ω	1200W x 2	1050W x 2	800W x 2	500W x 2
	2Ω	700W x 2	600W x 2	500W x 2	300W x 2
	8Ω/Power Boost Mode	-	-	800W x 1	600W x 1
	4Ω/Power Boost Mode	-	-	1200W x 1	1000W x 1
120V models					
Output power; 1kHz Non-clip 20msec Burst Both channels driven	8Ω	1000W x 2	800W x 2	500W x 2	300W x 2
	4Ω	1200W x 2	1050W x 2	800W x 2	500W x 2
	2Ω	700W x 2	600W x 2	500W x 2	300W x 2
	8Ω/Power Boost Mode	-	-	800W x 1	600W x 1
	4Ω/Power Boost Mode	-	-	1400W x 1	1000W x 1
220V-240V models					
Output power; 1kHz Non-clip 20msec Burst Both channels driven	8Ω	1000W x 2	800W x 2	500W x 2	300W x 2
	4Ω	1200W x 2	1050W x 2	800W x 2	500W x 2
	2Ω	700W x 2	600W x 2	500W x 2	300W x 2
	8Ω/Power Boost Mode	-	-	800W x 1	600W x 1
	4Ω/Power Boost Mode	-	-	1400W x 1	1000W x 1
General specifications					
Sampling frequency rate	Internal	48kHz	48kHz	48kHz	48kHz
A/D D/A Converters		AD/DA: 24-bit linear, 128 times over sampling	AD/DA: 24-bit linear, 128 times over sampling	AD/DA: 24-bit linear, 128 times over sampling	AD/DA: 24-bit linear, 128 times over sampling
Total harmonic distortion		0.1% (1kHz, 10W), 0.3% (1kHz, Half power)	0.1% (1kHz, 10W), 0.3% (1kHz, Half power)	0.1% (1kHz, 10W), 0.3% (1kHz, Half power)	0.1% (1kHz, 10W), 0.3% (1kHz, Half power)
Frequency response		±1.0dB (1W, 8Ω, 20Hz to 20kHz)	±1.0dB (1W, 8Ω, 20Hz to 20kHz)	±1.0dB (1W, 8Ω, 20Hz to 20kHz)	±1.0dB (1W, 8Ω, 20Hz to 20kHz)
S/N ratio		101dB (A-weighted, 8Ω, Gain setting = +14dBu)	101dB (A-weighted, 8Ω, Gain setting = +14dBu)	100dB (A-weighted, 8Ω, Gain setting = +14dBu)	100dB (A-weighted, 8Ω, Gain setting = +14dBu)

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Crosstalk		Less than -60dB (Half Power, 8Ω, 1kHz, Vol max input 150Ω shunt)	Less than -60dB (Half Power, 8Ω, 1kHz, Vol max input 150Ω shunt)	Less than -60dB (Half Power, 8Ω, 1kHz, Vol max input 150Ω shunt)	Less than -60dB (Half Power, 8Ω, 1kHz, Vol max input 150Ω shunt)
Voltage Gain/Sensitivity	8Ω Volume max	32.0dB/+9.3dBu (Gain setting: 32dB), 26.0dB/+15.3dBu (Gain setting: 26dB), 37.3dB/+4dBu (Gain setting: +4dBu), 27.3dB/+14dBu (Gain setting: +14dBu)	32.0dB/+8.3dBu (Gain setting: 32dB), 26.0dB/+14.3dBu (Gain setting: 26dB), 36.3dB/+4dBu (Gain setting: +4dBu), 26.3dB/+14dBu (Gain setting: +14dBu)	32.0dB/+6.3dBu (Gain setting: 32dB), 26.0dB/+12.3dBu (Gain setting: 26dB), 34.3dB/+4dBu (Gain setting: +4dBu), 24.3dB/+14dBu (Gain setting: +14dBu)	32.0dB/+4.1dBu (Gain setting: 32dB), 26.0dB/+10.1dBu (Gain setting: 26dB), 32.1dB/+4dBu (Gain setting: +4dBu), 22.1dB/+14dBu (Gain setting: +14dBu)
	8Ω Volume max /Power Boost mode	-	-	34.0dB/+6.3dBu (Gain setting: 32dB), 28.0dB/+12.3dBu (Gain setting: 26dB), 36.3dB/+4dBu (Gain setting: +4dBu), 26.3dB/+14dBu (Gain setting: +14dBu)	35.0dB/+4.1dBu (Gain setting: 32dB), 29.0dB/+10.1dBu (Gain setting: 26dB), 35.1dB/+4dBu (Gain setting: +4dBu), 25.1dB/+14dBu (Gain setting: +14dBu)
Maximum input voltage		+24dBu	+24dBu	+24dBu	+24dBu
Input impedance		20kΩ (Balance), 10kΩ (Unbalance)	20kΩ (Balance), 10kΩ (Unbalance)	20kΩ (Balance), 10kΩ (Unbalance)	20kΩ (Balance), 10kΩ (Unbalance)
I/O Connectors	Speaker output ports	Neutrik speakON NL4 x2, Binding post x2 pairs, 1/4" PHONE(TS) x2	Neutrik speakON NL4 x2, Binding post x2 pairs, 1/4" PHONE(TS) x2	Neutrik speakON NL4 x2, Binding post x2 pairs, 1/4" PHONE(TS) x2	Neutrik speakON NL4 x2, Binding post x2 pairs, 1/4" PHONE(TS) x2
	Line Input	XLR-3-31 x2, 1/4" PHONE(TRS) x2	XLR-3-31 x2, 1/4" PHONE(TRS) x2	XLR-3-31 x2, 1/4" PHONE(TRS) x2	XLR-3-31 x2, 1/4" PHONE(TRS) x2
	Others	USB 2.0 Standard-A Connector (Female) for Save/Load, Speaker preset update, Firmware update with USB memory; AC inlet x1 with AC cord clamp	USB 2.0 Standard-A Connector (Female) for Save/Load, Speaker preset update, Firmware update with USB memory; AC inlet x1 with AC cord clamp	USB 2.0 Standard-A Connector (Female) for Save/Load, Speaker preset update, Firmware update with USB memory; AC inlet x1 with AC cord clamp	USB 2.0 Standard-A Connector (Female) for Save/Load, Speaker preset update, Firmware update with USB memory; AC inlet x1 with AC cord clamp
Indicators		POWER x1 (Green), ALERT x1 (Red), USB x1 (Green), PROTECT x2 (Red), CLIP/LIMIT x2 (Red), SIGNAL x2 (Green); Auto LED off feature	POWER x1 (Green), ALERT x1 (Red), USB x1 (Green), PROTECT x2 (Red), CLIP/LIMIT x2 (Red), SIGNAL x2 (Green); Auto LED off feature	POWER x1 (Green), ALERT x1 (Red), USB x1 (Green), PROTECT x2 (Red), CLIP/LIMIT x2 (Red), SIGNAL x2 (Green); Auto LED off feature	POWER x1 (Green), ALERT x1 (Red), USB x1 (Green), PROTECT x2 (Red), CLIP/LIMIT x2 (Red), SIGNAL x2 (Green); Auto LED off feature
Processors		Input summing; D-CONTOUR(FOH/MAIN, MONITOR, OFF); Delay(0 - 74msec); HPF/LPF(cutoff frequency 20Hz~20kHz with polarity control); Speaker Processor(6 band PEQ + Limiter + Delay)	Input summing; D-CONTOUR(FOH/MAIN, MONITOR, OFF); Delay(0 - 74msec); HPF/LPF(cutoff frequency 20Hz~20kHz with polarity control); Speaker Processor(6 band PEQ + Limiter + Delay)	Input summing; D-CONTOUR(FOH/MAIN, MONITOR, OFF); Delay(0 - 74msec); HPF/LPF(cutoff frequency 20Hz~20kHz with polarity control); Speaker Processor(6 band PEQ + Limiter + Delay)	Input summing; D-CONTOUR(FOH/MAIN, MONITOR, OFF); Delay(0 - 74msec); HPF/LPF(cutoff frequency 20Hz~20kHz with polarity control); Speaker Processor(6 band PEQ + Limiter + Delay)
Latency		1.5 msec (Analog Input to Speakers)	1.5 msec (Analog Input to Speakers)	1.5 msec (Analog Input to Speakers)	1.5 msec (Analog Input to Speakers)
Presets		8 user amplifier presets (Factory preset: Speaker presets for Yamaha passive speakers)	8 user amplifier presets (Factory preset: Speaker presets for Yamaha passive speakers)	8 user amplifier presets (Factory preset: Speaker presets for Yamaha passive speakers)	8 user amplifier presets (Factory preset: Speaker presets for Yamaha passive speakers)

PX10	PX8	PX5	PX3		
Protection circuit	Load protection	POWER switch on/off: Output mute; Output voltage protection: Over voltage limiter, user configurable by wattage and speaker preset; DC-fault: Power Supply shutdown (NOT restored automatically)	POWER switch on/off: Output mute; Output voltage protection: Over voltage limiter, user configurable by wattage and speaker preset; DC-fault: Power Supply shutdown (NOT restored automatically)	POWER switch on/off: Output mute; Output voltage protection: Over voltage limiter, user configurable by wattage and speaker preset; DC-fault: Power Supply shutdown (NOT restored automatically)	POWER switch on/off: Output mute; Output voltage protection: Over voltage limiter, user configurable by wattage and speaker preset; DC-fault: Power Supply shutdown (NOT restored automatically)
	Amplifier protection	Thermal: Output limiter (Restored automatically) → Output mute (Restored automatically); Over current: Output mute (Restored automatically); Over voltage: Output limiter (Restored automatically); Integrated Power Limit: Output limiter (Restored automatically)	Thermal: Output limiter (Restored automatically) → Output mute (Restored automatically); Over current: Output mute (Restored automatically); Over voltage: Output limiter (Restored automatically); Integrated Power Limit: Output limiter (Restored automatically)	Thermal: Output limiter (Restored automatically) → Output mute (Restored automatically); Over current: Output mute (Restored automatically); Over voltage: Output limiter (Restored automatically); Integrated Power Limit: Output limiter (Restored automatically)	Thermal: Output limiter (Restored automatically) → Output mute (Restored automatically); Over current: Output mute (Restored automatically); Over voltage: Output limiter (Restored automatically); Integrated Power Limit: Output limiter (Restored automatically)
	Power supply protection	Thermal: Output limiter (Restored automatically) → Power supply shutdown; Over voltage: Power supply shutdown; Over current: Power supply shutdown	Thermal: Output limiter (Restored automatically) → Power supply shutdown; Over voltage: Power supply shutdown; Over current: Power supply shutdown	Thermal: Output limiter (Restored automatically) → Power supply shutdown; Over voltage: Power supply shutdown; Over current: Power supply shutdown	Thermal: Output limiter (Restored automatically) → Power supply shutdown; Over voltage: Power supply shutdown; Over current: Power supply shutdown
Amplifier class		Class D, Balanced output circuit (BTL)	Class D, Balanced output circuit (BTL)	Class D, Balanced output circuit (BTL)	Class D, Balanced output circuit (BTL)
Cooling		16 step variable speed fan x 2, front to rear airflow	16 step variable speed fan x 2, front to rear airflow	16 step variable speed fan x 2, front to rear airflow	16 step variable speed fan x 2, front to rear airflow
Power requirements		Depending on area of purchase; 100V 50Hz/60Hz, 120V 60Hz, 220V-240V 50Hz/60Hz *Verified as operating at rated power voltage +/- 10% voltage.	Depending on area of purchase; 100V 50Hz/60Hz, 120V 60Hz, 220V-240V 50Hz/60Hz *Verified as operating at rated power voltage +/- 10% voltage.	Depending on area of purchase; 100V 50Hz/60Hz, 120V 60Hz, 220V-240V 50Hz/60Hz *Verified as operating at rated power voltage +/- 10% voltage.	Depending on area of purchase; 100V 50Hz/60Hz, 120V 60Hz, 220V-240V 50Hz/60Hz *Verified as operating at rated power voltage +/- 10% voltage.
Power consumption		310W (1/8 MAX power, 4Ω, Pink noise at all channels), 60W (4Ω, Idling)	280W (1/8 MAX power, 4Ω, Pink noise at all channels), 60W (4Ω, Idling)	230W (1/8 MAX power, 4Ω, Pink noise at all channels), 55W (4Ω, Idling)	160W (1/8 MAX power, 4Ω, Pink noise at all channels), 55W (4Ω, Idling)
Dimensions	W	480mm (18-7/8")	480mm (18-7/8")	480mm (18-7/8")	480mm (18-7/8")
	H	88mm (3-7/16"): 2U	88mm (3-7/16"): 2U	88mm (3-7/16"): 2U	88mm (3-7/16"): 2U
	D	388mm (15-2/8")	388mm (15-2/8")	388mm (15-2/8")	388mm (15-2/8")
Net weight		7.4 kg (16.31 lbs)	7.2 kg (15.87 lbs)	6.9 kg (15.21 lbs)	6.9 kg (15.21 lbs)
Accessories		USB cover, Owner's Manual, Specification sheet, AC cable (2.0m) x 1	USB cover, Owner's Manual, Specification sheet, AC cable (2.0m) x 1	USB cover, Owner's Manual, Specification sheet, AC cable (2.0m) x 1	USB cover, Owner's Manual, Specification sheet, AC cable (2.0m) x 1
Others		Operating Temperature: 0°C to +40°C, Storage temperature: -20°C to +60°C	Operating Temperature: 0°C to +40°C, Storage temperature: -20°C to +60°C	Operating Temperature: 0°C to +40°C, Storage temperature: -20°C to +60°C	Operating Temperature: 0°C to +40°C, Storage temperature: -20°C to +60°C