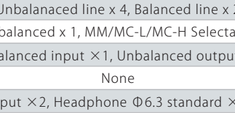
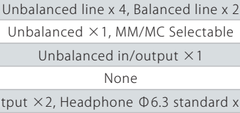
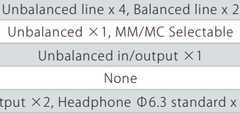
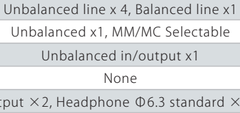
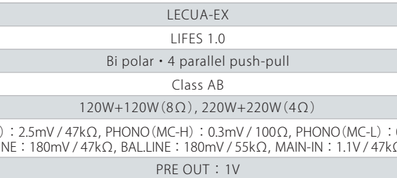
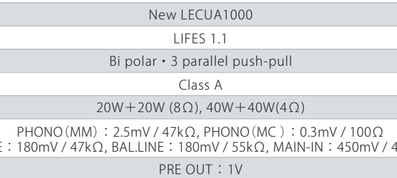
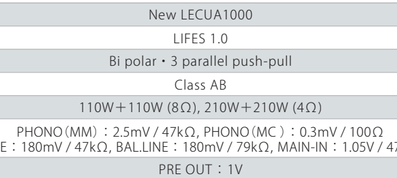
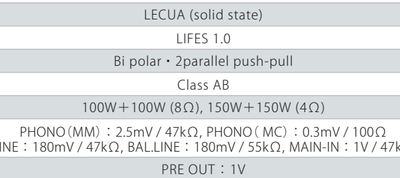
LUXMAN

SPEC COMPARISON CHART FOR INTEGRATED AMPLIFIERS

Model	Flagship L-509Z	Pure Class A L-100 CENTENNIAL	Middle range L-507Z	Standard L-505Z
				
Launch date	September, 2023	April, 2026	June, 2022	June, 2024
LINE Input	Unbalanaced line x 4, Balanced line x 2	Unbalanced line x 4, Balanced line x 2	Unbalanced line x 4, Balanced line x 2	Unbalanced line x 4, Balanced line x1
Phono Input	Unbalanced x 1, MM/MC-L/MC-H Selectable	Unbalanced ×1, MM/MC Selectable	Unbalanced ×1, MM/MC Selectable	Unbalanced x1, MM/MC Selectable
Separate in/output	Unbalanced input ×1, Unbalanced output ×2	Unbalanced in/output ×1	Unbalanced in/output ×1	Unbalanced in/output x1
Recording in/output	None	None	None	None
Output	Speaker output ×2, Headphone Φ6.3 standard ×1, Φ4.4 ×1	Speaker output ×2, Headphone Φ6.3 standard x1, Φ4.4 ×1	Speaker output ×2, Headphone Φ6.3 standard x 1, Φ4.4 ×1	Speaker output ×2, Headphone Φ6.3 standard ×1, Φ4.4 ×1
Tone control	BASS, MIDDLE, TREBLE	BASS, TREBLE	BASS, TREBLE	BASS, TREBLE
Volume mechanics	LECUA-EX	New LECUA1000	New LECUA1000	LECUA (solid state)
Amplification circuit	LIFES 1.0	LIFES 1.1	LIFES 1.0	LIFES 1.0
Output configuration	Bi polar・4 parallel push-pull	Bi polar・3 parallel push-pull	Bi polar・3 parallel push-pull	Bi polar・2parallel push-pull
Amplification method	Class AB	Class A	Class AB	Class AB
Rated output	120W+120W(8Ω), 220W+220W(4Ω)	20W＋20W (8Ω), 40W＋40W(4Ω)	110W＋110W (8Ω), 210W＋210W (4Ω)	100W＋100W (8Ω), 150W＋150W (4Ω)
Input signal level / Input impedance	PHONO(MM)：2.5mV / 47kΩ, PHONO(MC-H)：0.3mV / 100Ω, PHONO(MC-L)：0.1mV / 40Ω LINE：180mV / 47kΩ, BAL.LINE：180mV / 55kΩ, MAIN-IN：1.1V / 47kΩ	PHONO(MM)：2.5mV / 47kΩ, PHONO(MC)：0.3mV / 100Ω LINE：180mV / 47kΩ, BAL.LINE：180mV / 55kΩ, MAIN-IN：450mV / 47kΩ	PHONO(MM)：2.5mV / 47kΩ, PHONO(MC)：0.3mV / 100Ω LINE：180mV / 47kΩ, BAL.LINE：180mV / 79kΩ, MAIN-IN：1.05V / 47kΩ	PHONO(MM)：2.5mV / 47kΩ, PHONO(MC)：0.3mV / 100Ω LINE：180mV / 47kΩ, BAL.LINE：180mV / 55kΩ, MAIN-IN：1V / 47kΩ
Output voltage	PRE OUT：1V	PRE OUT：1V	PRE OUT：1V	PRE OUT：1V
Frequency response	PHONO：20Hz to 20kHz (±0.5dB), LINE：20Hz to 150kHz (+0, -3.0dB)	PHONO：20Hz to 20kHz (±0.5dB), LINE：20Hz to 100kHz (+0, -3.0dB)	PHONO：20Hz to 20kHz (±0.5dB), LINE：20Hz to 100kHz (+0, -3.0dB)	PHONO：20Hz～20kHz(+0, -3.0dB), LINE：20Hz～100kHz(+0, -3.0dB)
Total harmonic distortion	0.006% or lower (8Ω, 1kHz), 0.06% or lower (8Ω, 20Hz to 20kHz)	0.005% or lower (8Ω, 1kHz), 0.015% or lower (8Ω, 20Hz to 20kHz)	0.007% or lower (8Ω, 1kHz), 0.03% or lower (8Ω, 20Hz to 20kHz)	0.009% or lower(8Ω, 1kHz), 0.09% or lower(8Ω, 20Hz～20kHz)
S/N ratio	PHONO(MM)：87dB or more, PHONO(MC-H)：70dB or more PHONO(MC-L)：62dB or more, BAL. LINE: 90dB or more, LINE：106dB or more	PHONO(MM)： 80dB or more, PHONO (MC) : 65dB or more, LINE : 98dB or more	PHONO(MM)：91dB or more, PHONO(MC)：75dB or more LINE : 105dB or more	PHONO(MM)：87dB or more, PHONO(MC)：70dB or more, LINE : 104dB or more
Power transformer	EI type 600VA	EI type 500VA	EI type 560VA	EI type 540VA
Filter capacitors	80,000μF (10,000μF x 8)	80,000μF (10,000μF x 8)	80,000μF(10,000μF x 8)	40,000μF (10,000μF x 4)
Damping factor	330(EIAJ current ejection method)	300(EIAJ current ejection method)	300(EIAJ current ejection method)	200 (EIAJ current ejection method)
Volume level display	Needle type meter (white light) + 7segment LED	Needle type meter (yellow light) + 7segment LED	Needle type meter (white light)+7segment LED	Needle type meter (white light) + 7segment LED
External interlocking terminal	Trigger：Φ3.5mm in/output x 1, Control：Φ3.5mm in/output x 1	Trigger：Φ3.5mm in/output x1, Control：Φ3.5mm in/output x1	Trigger：Φ3.5mm in/output x1, Control：Φ3.5mm in/output x1	Trigger：Φ3.5mm in/output x 1, Control：Φ3.5mm in/output x1
Chassis finish	Blaster white / hair line top panel	Blaster white / hair line top panel	Blaster white / hair line top panel	Blaster white / hairline top panel
Control knobs	All aluminum	All aluminum	All aluminum	All aluminum
Insulator legs	Density gradient	Density gradient	Density gradient	Resin
Power voltage	230V~(50Hz) / 115V~(60Hz)	230V~(50Hz) / 115V~(60Hz)	230V~(50Hz) / 115V~(60Hz)	230V~(50Hz) / 115V~(60Hz)
Power consumption	390W, 150W (under no signal), 0.5W (at standby)	260W, 210W (under no signal), 0.5W (at standby)	350W, 86W (under no signal), 0.4W (at standby)	330W, 90W (under no signal), 0.5W (at standby)
External dimensions	440 (W) × 193 (H) × 463 (D) mm front side knob of 20mm and rear side terminal of 37mm included in depth	440 (W) x 178 (H) x 454 (D) mm front side knob of 20mm and rear side terminal of 27mm included in depth	440 (W) x 178 (H) x 454 (D) mm front side knob of 20mm and rear side terminal of 27mm included in depth	440 (W) x 178 (H) x 454 (D) mm front side knob of 20mm and rear side terminal of 27mm included in depth
Weight	29.4kg	25.4kg	25.4kg	22.5kg
Accessories	Remote control (RA-17A), Power cable	Remote control (RA-17A), Power cable	Remote control (RA-17A), Power cable	Remote control (RA-17A), Power cable
Speaker terminals - Supported Y-lug terminal dimensions	Width of part a: 16mm or less Width of part b: 7mm or more 	Width of part a：15mm or less Width of part b：8mm or more	Width of part a：15mm or less Width of part b：8mm or more	Width of part a：15mm or less Width of part b：8mm or more
Rear panel				
Internal configuration/ insulator position				

※Connection may not be performed depending on the shape of the Y-lug terminal