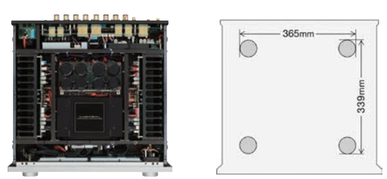
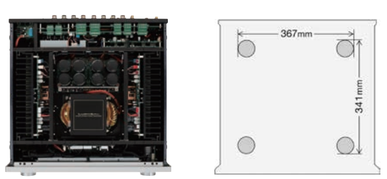
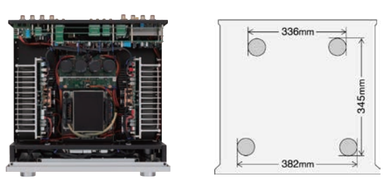
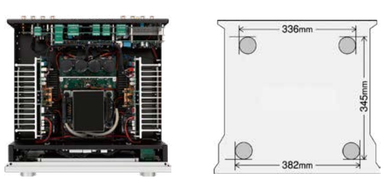
LUXMAN

SPEC COMPARISON CHART FOR INTEGRATED AMPLIFIERS

Model	Flagship L-509Z	Middle range L-507Z	Standard L-505Z	Standard L-505uXⅡ
				
Launch date	April, 2023	June, 2022	June, 2024	Nov, 2017
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 1	Unbalanced line x 4, Balanced line x 1
Phono Input	Unbalanced x 1、MM/MC-L/MC-H Selectable	Unbalanced ×1、MM/MC Selectable	Unbalanced x 1、MM/MC Selectable	Unbalanced x 1、MM/MC selectable
Separate in/output	Unbalanced input ×1、Unbalanced output ×2	Unbalanced in/output ×1	Unbalanced in/output x 1	Unbalanced in/output x 1
Recording in/output	none	none	none	Unbalanced in/output x 1
Output	Speaker output ×2 、Headphone Φ6.3 standard ×1、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	Speaker output x 2 、Headphone Φ6.3 standard x 1
Tone control	BASS (100Hz)、MIDDLE (760Hz)、TREBLE (10kHz)、±8dB each	BASS (100Hz)、TREBLE (10kHz)、±8dB each	BASS (100Hz)、TREBLE (10kHz)、±8dB each	BASS (100Hz)、TREBLE (10kHz)、±8dB each
Loudness	100Hz: +7dB, 10kHz: +5dB	100Hz: +7dB, 10kHz: +5dB	100Hz: +7dB, 10kHz: +5dB	100Hz: +7dB, 10kHz: +5dB
Volume mechanics	LECUA-EX	New LECUA1000	LECUA (solid state)	LECUA (solid state)
Amplification circuit	LIFES 1.0	LIFES 1.0	LIFES 1.0	ODNF 4.0
Output configuration	Bi polar・4 parallel push-pull	Bi polar・3 parallel push-pull	Bi polar・parallel push-pull	Bi polar・parallel push-pull
Amplification method	Class AB	Class AB	Class AB	Class AB
Rated output	120W+120W（8Ω）、220W+220W（4Ω）	110W＋110W（8Ω）、210W＋210W（4Ω）	100W＋100W（8Ω）、150W＋150W（4Ω）	100W＋100W（8Ω）、150W＋150W（4Ω）
Speaker load range	4～16Ω	4～16Ω	4～16Ω	4～16Ω
Headphone power output	42mW+42mW (32Ω)	38mW+38mW (32Ω)	35mW+35mW (32Ω)	35mW+35mW (32Ω)
Gain	Preamp：14.9dB、Power amp：29.0dB	Preamp：14.9dB、Power amp：29.0dB	Preamp：14.9dB、Power amp：29.0dB	Preamp：14.9dB、Power amp：29.0dB
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 / 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	PHONO（MM）：2.5mV / 47kΩ、PHONO（MC）：0.3mV / 100Ω、 LINE：180mV / 47kΩ、BAL.LINE：180mV / 55kΩ、、MAIN-IN：1V / 47kΩ
Output impedance	PRE-OUT: 690Ω	PRE-OUT: 690Ω	PRE-OUT: 610Ω	PRE-OUT: 610Ω
Allowable input voltage	PHONO (MM): 147mV、PHONO (MC): 18mV、LINE: 6.0V、BAL. LINE: 9.9V	PHONO (MM): 147mV、PHONO (MC): 18mV、LINE: 6.0V、BAL. LINE: 9.9V	PHONO (MM): 147mV、PHONO (MC): 18mV、LINE: 6.0V、BAL. LINE: 9.9V	PHONO (MM): 147mV、PHONO (MC): 18mV、LINE: 6.0V、BAL. LINE: 9.9V
Output voltage	PRE OUT：1V	PRE OUT：1V	PRE OUT：1V	REC OUT：180mV、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 150kHz (+0、- 3.0dB)	PHONO：20Hz～20kHz（+0、-3.0dB）、LINE：20Hz～100kHz（+0、-3.0dB）	PHONO：20Hz to 20kHz（±0.5dB）、LINE：20Hz to 150kHz (+0、- 3.0dB)
Total harmonic distortion	0.006% or less (8Ω、1kHz)、0.06% or less (8Ω、20Hz to 20kHz)	0.007% or less (8Ω、1kHz)、0.03% or less (8Ω、20Hz to 20kHz)	0.009% or less (8Ω、1kHz)、0.09% or less (8Ω、20Hz～20kHz)	0.009% or less (8Ω、1kHz)、0.09% or less (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 ）：91dB or more、PHONO（MC ）：75dB or more BAL. LINE: 90dB or more, LINE：105dB or more	PHONO（MM）：87dB or more、PHONO（ MC）：70dB or more、 BAL. LINE: 90dB or more, LINE：104dB or more	PHONO（MM）：91dB or more、PHONO（ MC）：75dB or more、 BAL. LINE: 90dB or more, LINE：104dB or more
Power transformer	EI type 600VA	EI type 560VA	EI type 540VA	EI type 540VA
Filter capacitors	80,000μF (10,000μF x 8)	80,000μF (10,000μF x 8)	40,000μF (10,000μF x 4)	40,000μF (10,000μF×4)
Damping factor	330（EIAJ current ejection method）	300（EIAJ current ejection method）	200 (EIAJ current ejection method)	210
Volume level display	Needle type meter (white light) + 7 segment LED	Needle type meter (white light)+7 segment LED	Needle type meter (white light) + 7 segment LED	Needle type meter (blue light)
External interlocking terminal	Trigger (12V)：Φ3.5mm in/output x 1、Control：Φ3.5mm in/output x 1	Trigger (12V)：Φ3.5mm in/output x 1、Control：Φ3.5mm in/output x 1	Trigger (12V)：Φ3.5mm in/output x 1、Control：Φ3.5mm in/output x 1	none
Chassis finish	Blaster white / hair line top panel	Blaster white / hair line top panel	Blaster white	Blaster white
Control knobs	All aluminum	All aluminum	All aluminum	Aluminum, resin
Insulator legs	Density gradient	Density gradient	Resin coverd with alminium	Resin coverd with alminium
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)	350W 、86W (under no signal), 0.4W (at standby)	270W、85W (under no signal)、0.5W (at standby)	270W、85W (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 (main unit)	23.9kg (main unit)	22.5kg (main unit)	22.5kg (main unit)
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