

Canon imageCLASS / i-SENSYS Comparison

A comprehensive comparison datasheet detailing the technical and structural specification differences between the Canon LBP621Cw, LBP623Cdw, and LBP646Cdw laser printers.

Technical Specifications Comparison

Specification	Canon LBP621Cw	Canon LBP623Cdw	Canon LBP646Cdw
Print Speed (A4)	Up to 18 ppm	Up to 21 ppm	Up to 25 ppm
Auto Duplex (2-Sided)	Not Supported (Manual)	Supported (Up to 12.7 ipm)	Supported (Up to 15 ipm)
Processor Speed	800 MHz x2	800 MHz x2	1.2 GHz
Storage / Flash	1 GB RAM	1 GB RAM	1 GB RAM + 4 GB eMMC
Network Interface	USB, 10/100 Ethernet, Wi-Fi	USB, 10/100 Ethernet, Wi-Fi	USB, Gigabit Ethernet, Wi-Fi
Toner Cartridge Series	Cartridge 054 / 054H	Cartridge 054 / 054H	Cartridge 075 / 075H
Black Toner Yield (High)	Up to 3,100 pages	Up to 3,100 pages	Up to 3,500 pages

Key Takeaways & Summary

Duplex Capabilities: The LBP621Cw requires manual intervention for two-sided prints, making the LBP623Cdw and LBP646Cdw better options for environments needing automated double-sided operations.

Performance Tiering: Moving up to the LBP646Cdw updates the infrastructure with a faster 1.2 GHz processor, an additional 4 GB of internal memory storage, and modern Gigabit Ethernet, positioning it well for larger workflows and business network deployments.