
HP Officejet Pro K5400 Series Printers L7580 Series AiO

Cost-per-Print: Korea

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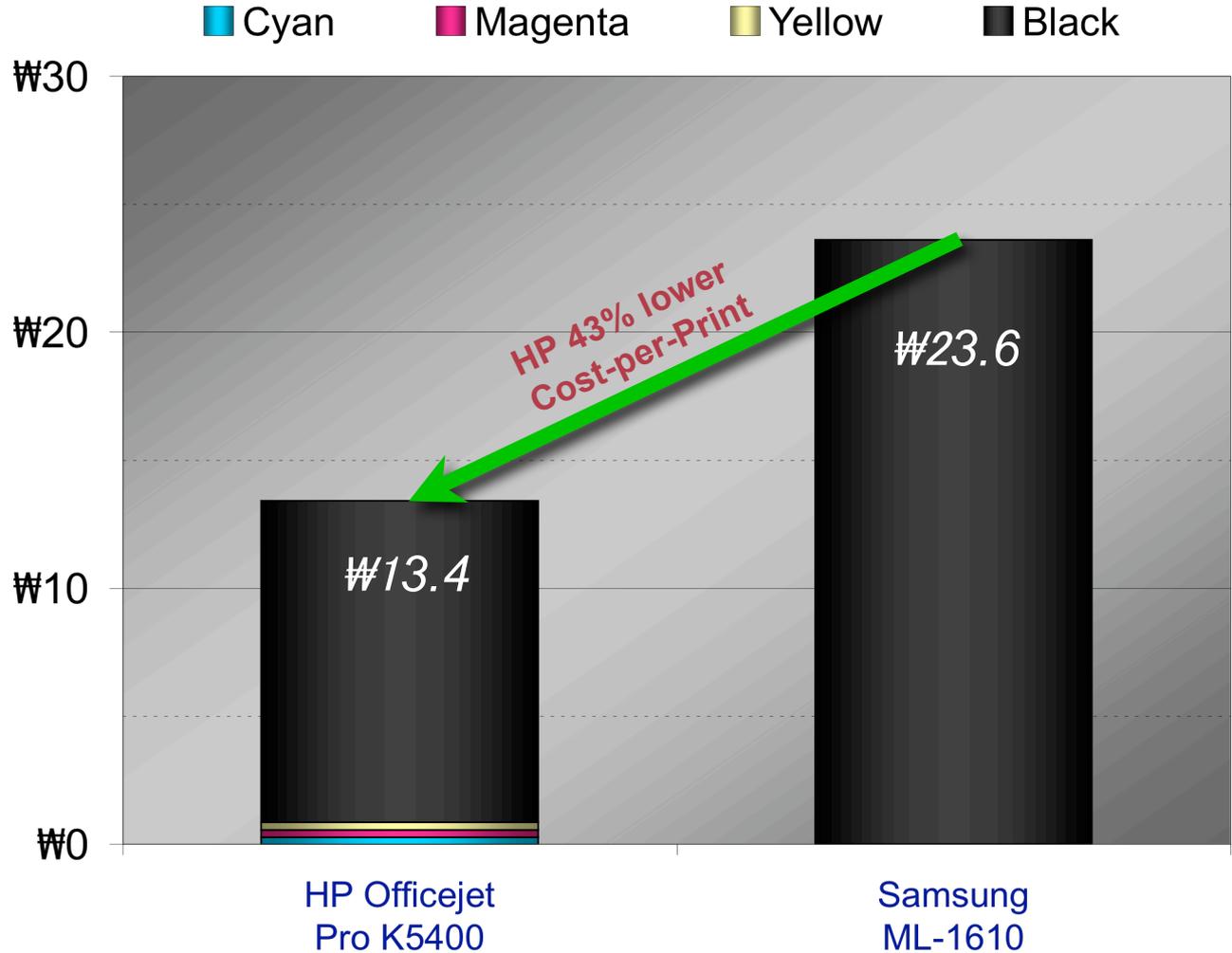


Cost-per-Print: *KR Won* — HP Officejet Pro K5400 Color Inkjet and Samsung ML-1610 Monochrome Laser Printer

spencerLAB
COST-PER-PRINT TESTED



ISO/IEC Standard Test Page



E-commerce pricing (excl. VAT) as of March 2007, per www.enuri.com, as supplied by HP
All testing performed using default driver settings

Independent testing by *SpencerLab* Digital Color Laboratory was commissioned by Hewlett-Packard



Cost-per-Print: KR Won —

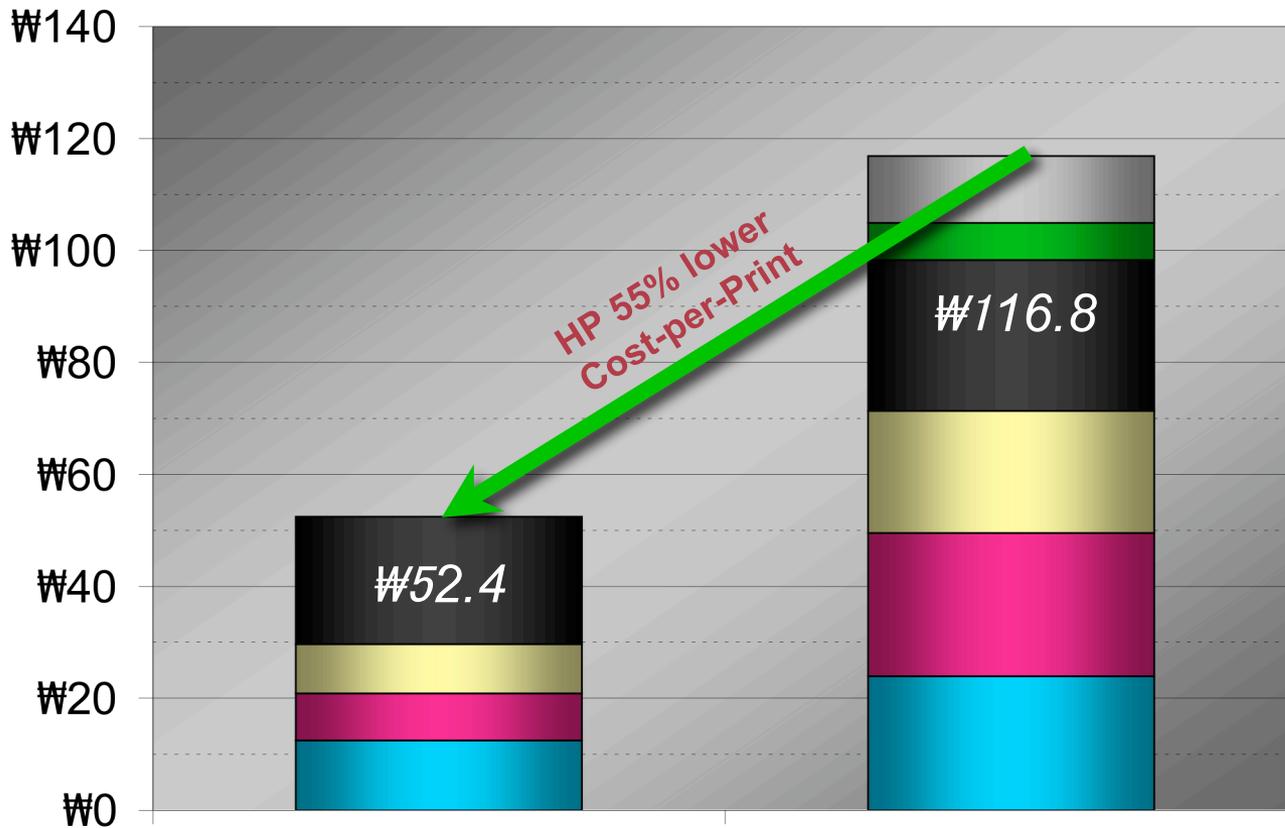
HP Officejet Pro K5400 Color Inkjet and Samsung CLP-300 Color Laser Printer

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COST-PER-PRINT TESTED



“Newsletter”
MIXED TEXT & GRAPHICS

■ Cyan ■ Magenta ■ Yellow ■ Black ■ Waste Toner ■ Imaging Drum



HP Officejet Pro K5400

Samsung CLP-300

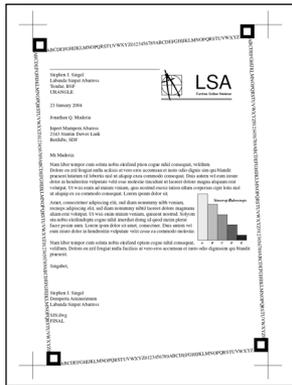
Cost-per-Price includes Ink/Toner and use-replaceable components. E-commerce pricing (excl. VAT) as of March 2007, per www.enuri.com, as supplied by HP. All testing performed using default driver settings.

Independent testing by SpencerLab Digital Color Laboratory was commissioned by Hewlett-Packard

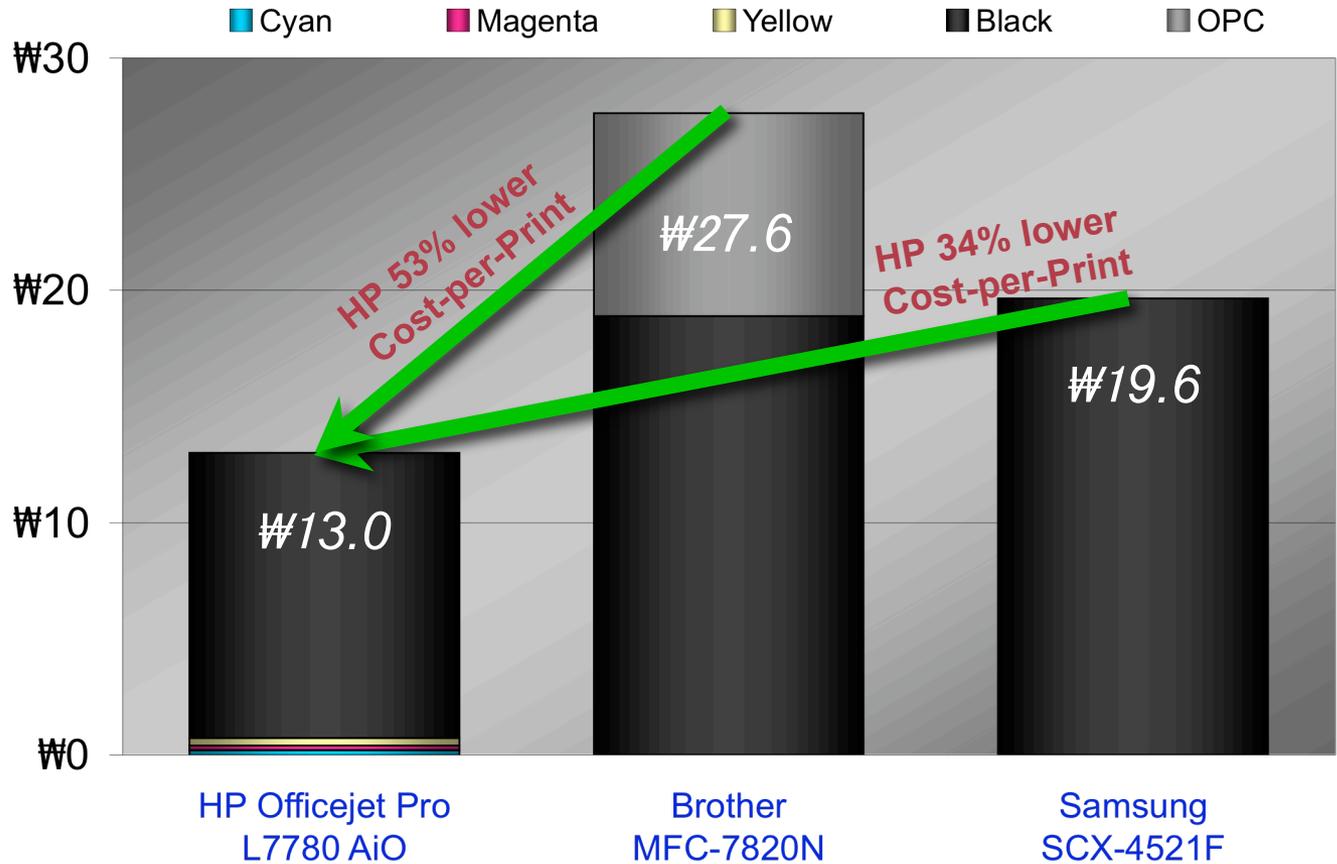


Cost-per-Print: KR Won —

HP Officejet Pro L7580 Series Color Inkjet AiO, Brother MFC-7820N, & Samsung SCX-4521F



ISO/IEC Standard Test Page



HP Officejet Pro L7780 is US model of L7580 series.
 Cost-per-Price includes Ink/Toner and use-replaceable components.
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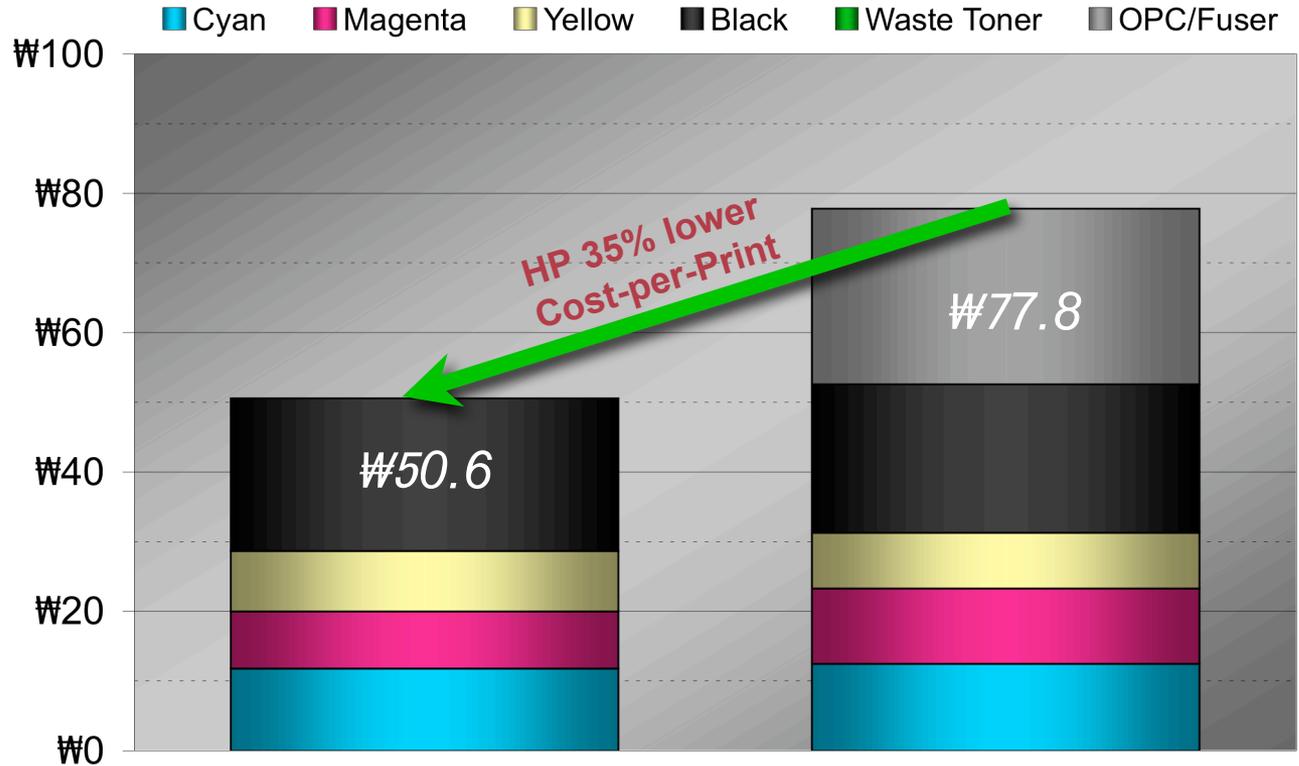


Cost-per-Print: KR Won —

HP Officejet Pro L7580 Series Color Inkjet AiO, and Epson AcuLaser CX11NF



“Newsletter”
MIXED TEXT & GRAPHICS



HP Officejet Pro L7780 AiO

Epson AcuLaser CX11NF

HP Officejet Pro L7780 is US model of L7580 series.
 Cost-per-Price includes Ink/Toner and use-replaceable components.
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Cost-per-Print — Methodology

Determine Ink Cartridge Yields

Tested Devices

- *HP K5400 printers and L7780 AiOs (US version of L7580 AiO)*
- *Brother MFC-7820N*
- *Epson AcuLaser CX11NF*
- *Samsung ML-1610, Samsung CLP-300, and Samsung SCX-4521F*

Test Documents

- *Monochrome: ISO/IEC 19752 “Standard” letter document, text with simple black graphics*
- *Color: “SpencerLab Newsletter” with mixed text, graphics, image*

Measure average number of prints-per-cartridge for each cartridge

- *Test highest capacity OEM ink/toner cartridges available*
 - HP Large Black, Cyan, Magenta and Yellow (88/XL) ink cartridges
 - Brother (TN-350)
 - Epson Black (0190), High Capacity Cyan (0189), Magenta (0188), and Yellow (0187) toner cartridges
 - Samsung (ML-1610D2); Black (CLP-K300A), Cyan (CLP-C300A), Magenta (CLP-M300A), and Yellow (CLP-Y300A); and (SCX-4521D3) toner cartridges
- *Print in DEFAULT mode on plain paper via Adobe Reader 7.0.8*
- *Print semi-continuously to end-of-life on multiple cartridges to assure consistency*
 - Semi-continuously: stops for paper replenishment, overnight, etc.
 - End-of-life: earlier of INK/TONER OUT signal, or visible defects (fade) attributable to toner supply
- *Measure number of usable prints-per-cartridge*



Cost-per-Print — Methodology (cont'd)

Determine component Costs

Calculate average ink/toner component costs per print

- *Divide each cartridge cost by the corresponding cartridge yield (average prints-per-cartridge)*

Calculate user-replaceable component costs per print

- *Include user-replaceable components rated for less than the life of the printer*
 - Brother MFC-7820N contains user-replaceable OPC Drum Cartridge
 - Epson AcuLaser CX11NF contains user-replaceable Photoconductor Unit
 - Samsung CLP-300 contains user-replaceable OPC Drum Cartridge and Waste Toner Container
- *Component contributions to total Cost-per-Print based upon manufacturer-rated yields*

COMPONENTS COST		CYAN	MAGENTA	YELLOW	BLACK
HP Officejet Pro K5400/L7580	Ink	₩ 21,200	₩ 21,200	₩ 21,200	₩ 29,030
Brother MFC-7820N	Toner	—	—	—	₩ 59,900
	OPC	₩ 104,823			
Epson AcuLaser CX11NF	Toner	₩ 101,750	₩ 101,750	₩ 101,750	₩ 85,320
	OPC	₩ 264,600			
Samsung ML-1610	Toner	—	—	—	₩ 54,080
Samsung CLP-300	Toner	₩ 39,500	₩ 39,500	₩ 39,500	₩ 46,360
	OPC	₩ 148,960			
	Waste Toner	₩ 8,330			
Samsung SCX-4521F	Toner	—	—	—	₩ 75,710

E-commerce pricing (excl. VAT) as of March 2007, per www.enuri.com, as supplied by HP

Calculate Cost-per-Print

Sum per-print component costs to obtain total Cost-per-Print for the test document

