

HP Officejet Pro K5400 Series Printers L7580 Series AiO

Cost-per-Print: Australian cents

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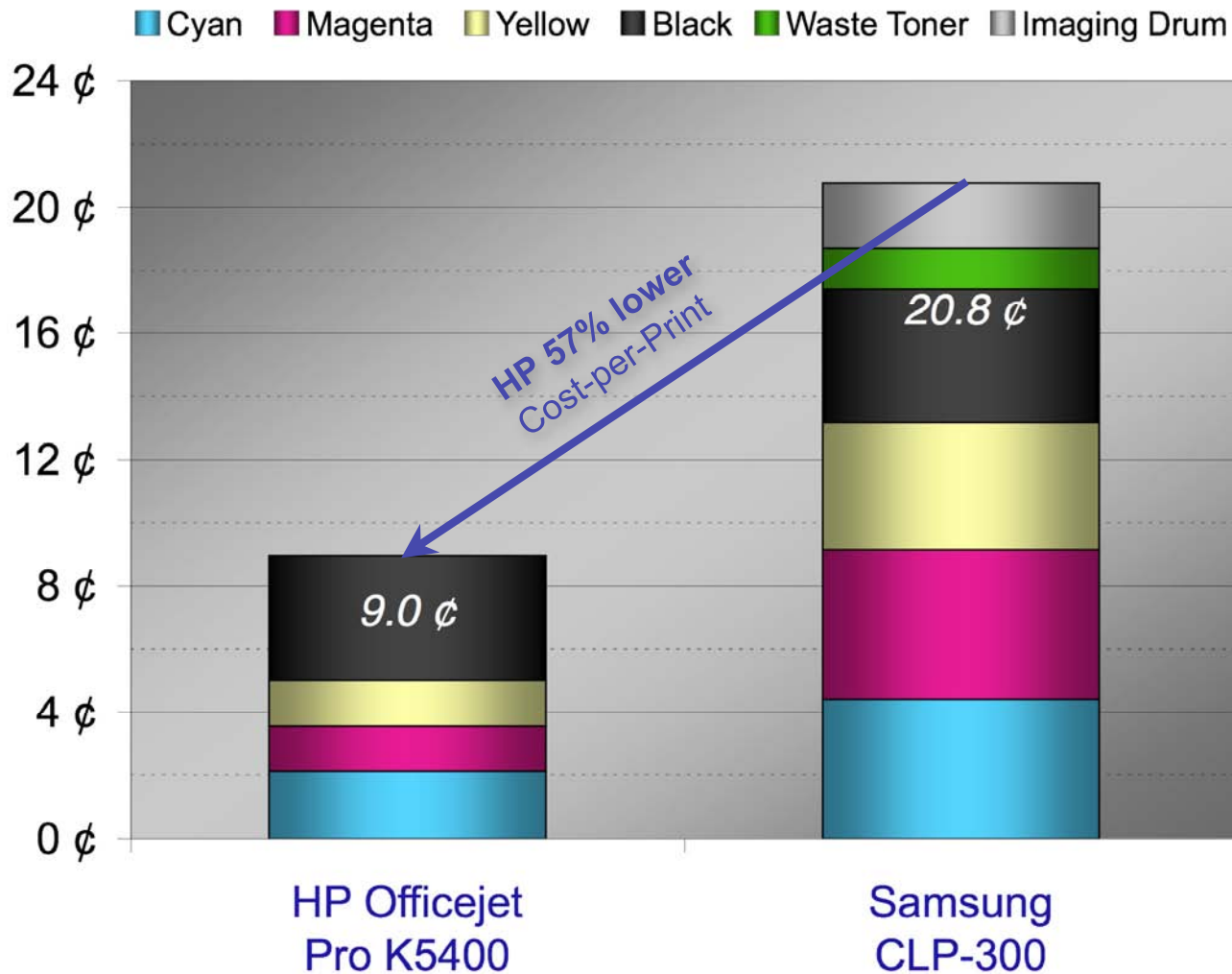


Cost-per-Print: AU cents — HP Officejet Pro K5400 Color Inkjet and Samsung CLP-300 Color Laser Printer

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COST-PER-PRINT TESTED



“Newsletter”
MIXED TEXT & GRAPHICS

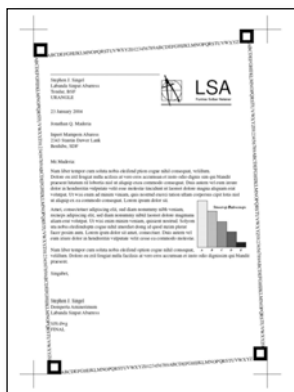


Cost-per-Price includes Ink/Toner and use-replaceable components.
E-commerce pricing (incl. VAT) as of March 2007, per www.citysoftware.com.au, as supplied by HP
All testing performed using default driver settings.

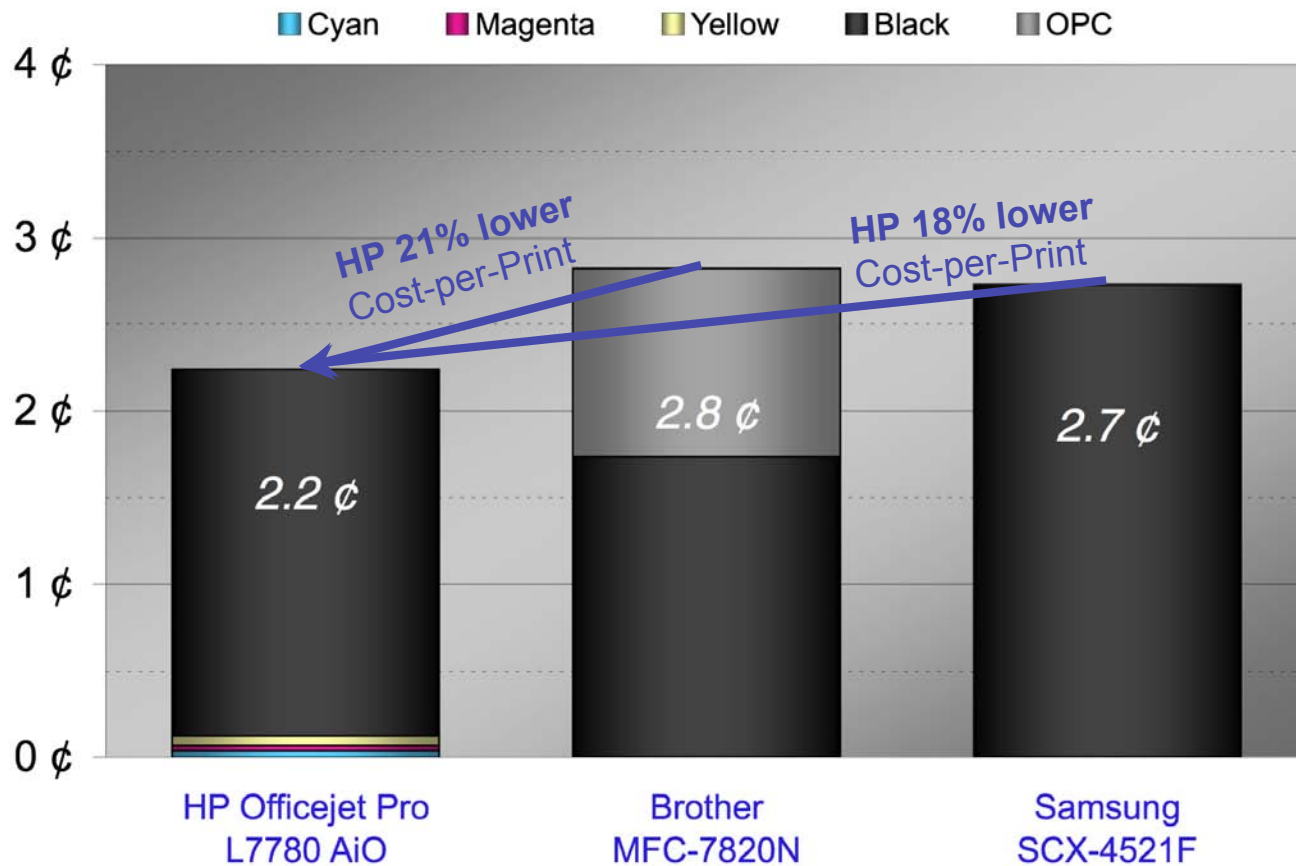


Cost-per-Print: AU cents — HP Officejet Pro L7580 Series Color Inkjet AiO, Brother MFC-7820N, & Samsung SCX-4521F

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COST-PER-PRINT TESTED



ISO/IEC Standard Test Page



HP Officejet Pro L7780 is US model of L7580 series.
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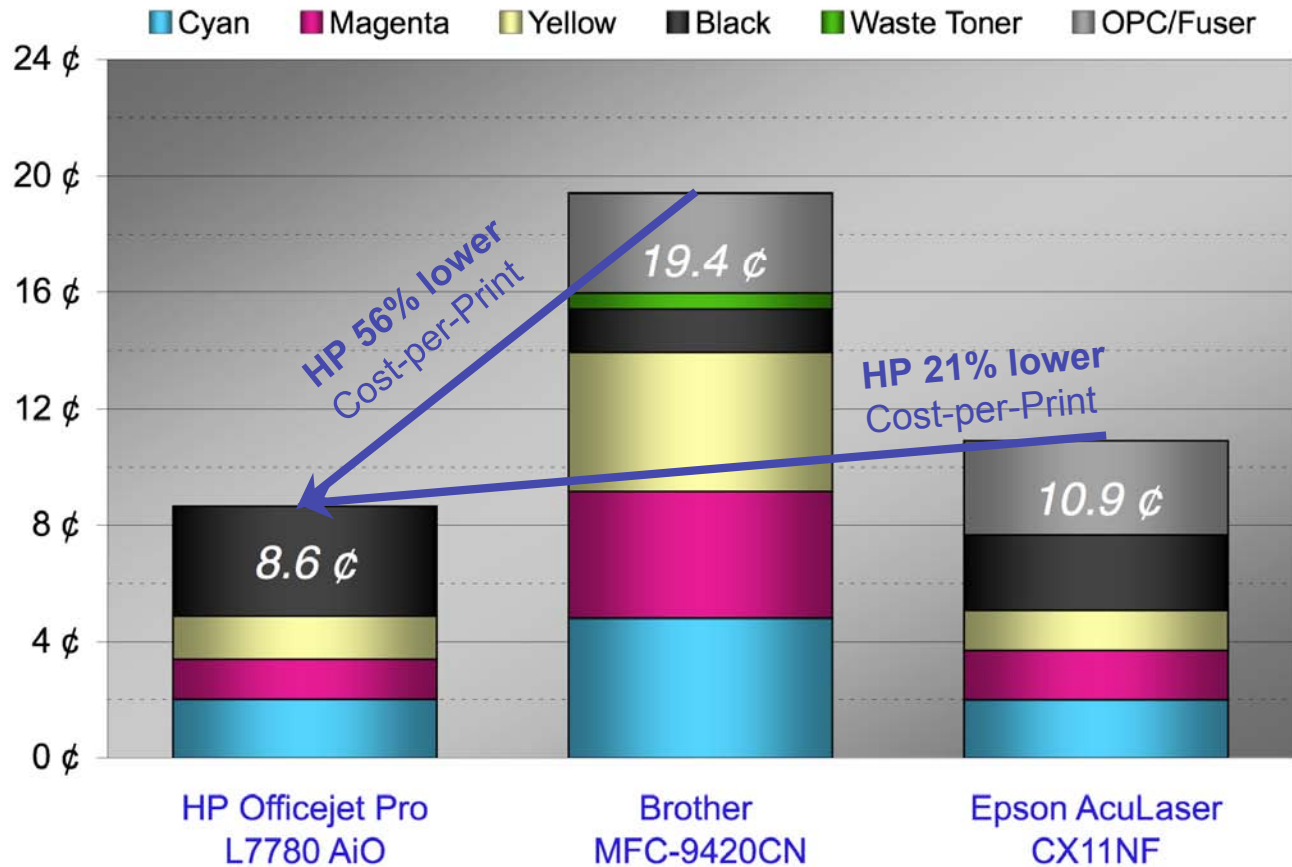


Cost-per-Print: AU cents — HP Officejet Pro L7580 Series Color Inkjet AiO, Brother MFC-9420CN, & Epson AcuLaser CX11NF

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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 and Brother MFC-9420CN*
- *Epson AcuLaser CX11NF*
- *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); Brother Black (TN-04BK), Cyan (TN-04C), Magenta (TN-04M), and Yellow (TN-04Y) toner cartridges
 - Epson Black (0190), High Capacity Cyan (0189), Magenta (0188), and Yellow (0187) toner cartridges
 - Samsung 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
- Brother MFC-9420CN contains user-replaceable OPC Drum Cartridge, Fuser Unit, and Waste Toner Bottle
- 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	\$ 36.00	\$ 36.00	\$ 36.00	\$ 50.00
	Toner	—	—	—	\$ 55.00
Brother MFC-7820N	OPC	\$ 130.00			
	Toner	\$ 199.00	\$ 199.00	\$ 199.00	\$ 199.00
	Fuser Unit	\$ 495.00			
Brother MFC-9420CN	OPC	\$ 395.00			
	Waste Toner	\$ 16.50			
	Toner	\$ 163.00	\$ 163.00	\$ 173.00	\$ 103.00
Epson AcuLaser CX11NF	OPC	\$ 341.00			
	Toner	\$ 73.00	\$ 73.00	\$ 73.00	\$ 73.00
Samsung CLP-300	OPC	\$ 259.00			
	Waste Toner	\$ 16.00			
	Toner	—	—	—	\$ 105.00

E-commerce pricing (incl. VAT) as of March 2007, per www.citysoftware.com.au, as supplied by HP

Calculate Cost-per-Print

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

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

