

HP PageWide Enterprise Color MFP 586 claims summary



HP PageWide Technology delivers the fastest speeds and deepest security for lowest total cost of ownership in its class.

The information below is provided to show the substantiation methodology for these and other PageWide claims for the HP PageWide Enterprise Color MFP 586.

Lowest total cost of ownership (TCO) in its class

Total cost of ownership Enterprise comparison based on 150,000 pages, manufacturers' published specifications for page yields and energy use, manufacturers' recommended street prices for HP hardware and supplies, average street prices for competitive devices, cost per page based on ISO yield with continuous printing in default mode with highest-available-capacity cartridges, and long-life consumables of all color business A4 printers €1,000–€3,000 Euros or \$1,000–\$3,000 USD as of November 2015, excluding products with 1% or lower market share using market share as reported by IDC as of Q3 2015. All costs displayed are estimates based on the criteria set out above. Distributors, resellers and retailers are free to set their own prices. Actual prices may vary. Learn more at hp.com/go/pagewidebusiness and hp.com/go/learnaboutsupplies.

Device	TCO
Average TCO based on Transactional sale in European region	
HP PageWide MFP 586 Transactional sale	€ 5,168.21
LEXMARK CX510DE	€ 10,381.82
LEXMARK CX510DHE	€ 10,139.08
LEXMARK CX510DTHE	€ 9,845.55
LEXMARK X748DE	€ 9,700.99
LEXMARK X748DTE	€ 9,073.69
BROTHER MFC-L9550CDWT	€ 9,175.60
Kyocera ECOSYS M6535CIDN	€ 7,123.81
OKI MC760DNFAX	€ 10,141.73
OKI MC760DN	€ 10,482.66
Xerox Workcentre 6655	€ 9,237.00
Brother MFC-L9550CDW	€ 9,240.00

Device	TCO
Average TCO based on Transactional sale in North America region	
HP PageWide MFP 586 Transactional sale	\$ 5,764.00
LEXMARK CX510DE	\$ 9,957.50
LEXMARK CX510DHE	\$ 9,953.19
LEXMARK CX510DTHE	\$ 10,118.07
LEXMARK X748DE	\$ 10,660.93
DELL C3765DNF	\$ 8,096.62
BROTHER MFC-L9550CDW	\$ 6,398.93
OKI MC770	\$ 7,547.31
Canon Imageclass MF9280cdn	\$ 10,185.00
Xerox Colorqube 8700	\$ 12,492.00
Xerox Workcentre 6655	\$ 12,979.00
Average TCO based on Contractual sale in European region	
HP PageWide MFP 586 Contractual sale	€ 5,645.25
Canon imageRUNNER C1325iF	€ 6,208.75
Konica Minolta bizhub C3110	€ 11,179.76
Konica Minolta bizhub C3350	€ 8,856.51
Kyocera TASKalfa 266ci	€ 6,433.72
Oki Data ES5462dnw MFP	€ 7,608.12
Ricoh Aficio MP C305SP	€ 5,877.53
Ricoh Aficio MP C305SPF	€ 9,774.11
Toshiba E-Studio 287CS	€ 6,326.00
Average TCO based on Contractual sale in North America region	
HP PageWide MFP 586 Contractual sale	\$ 6,296.03
Canon imageRUNNER ADVANCE C250iF	\$ 8,537.37
Konica Minolta bizhub C3110	\$ 10,516.47
Toshiba e-STUDIO287CS	\$ 8,528.00

* Transactional sales refers to devices that are purchased outright. Contractual sales refers to devices on contract. Learn more at hp.com/go/learnaboutsupplies.

Deepest security features

Only HP Enterprise-class devices with FutureSmart offer a combination of security features for integrity checking down to the BIOS with self-healing capabilities. A FutureSmart service pack update may be required to activate security features. Learn more at hp.com/go/printersthatprotect and hp.com/go/printersecurityclaims.

Best-in-class print speeds

Comparison of Enterprise devices based on manufacturers' published specifications of fastest available color mode of color business A4 MFPs €1,000–€3,000 Euros or \$1,000–\$3,000 USD as of November 2015, excluding other HP PageWide products, and products with 1% or lower market share using market share as reported by IDC as of Q3 2015. HP PageWide speeds based on General Office mode and exclude first page.

Leading Pages Per Minute in-class device speeds vendor comparison:

Brand	Model Name	A4 Fastest Color Speed	A4 Fastest Black and White Speed
HP	PageWide Enterprise Color MFP 586	75	75
SAMSUNG	CLX-8650ND	48	48
XEROX	COLORQUBE 8700	44	44
XEROX	COLORQUBE 8900	44	44
OKI	ES7480DFN	40	40
OKI	ES7480DN	40	40
OKI	MC780	40	40
OKI	MC780DFN	40	40
RICOH GROUP	AFICIO MP C401SP	40	40
RICOH GROUP	MP C401SP	40	40
RICOH GROUP	MP C401ZSP	40	40
TOSHIBA	E-STUDIO 407CS	40	40
KONICA MINOLTA	BIZHUB C3850	38	38
CANON	IMAGERUNNER ADVANCE C350I	35	35
CANON	IMAGERUNNER ADVANCE C350IF	35	35
CANON	IMAGERUNNER ADVANCE C351IF	35	35
CANON	IMAGERUNNER C1335IF	35	35
DELL	C3765DNF	35	35
KYOCERA MITA	ECOSYS M6035CIDN	35	35
KYOCERA MITA	ECOSYS M6535CIDN	35	35
XEROX	DOCUPRINT CM405DF	35	35
XEROX	DOCUPRINT CM415 AP	35	35
XEROX	WORKCENTRE 6605	35	35
XEROX	WORKCENTRE 6605DN	35	35
XEROX	WORKCENTRE 6605DN	35	35
XEROX	WORKCENTRE 6605N	35	35
XEROX	WORKCENTRE 6655	35	35
OKI	ES7470	34	36
OKI	ES7470DN MFP	34	36
OKI	MC770	34	36
KONICA MINOLTA	BIZHUB C3350	33	33
LEXMARK	X738DTE	33	33

Leading Pages Per Minute in-class device speeds vendor comparison:

Brand	Model Name	A4 Fastest Color Speed	A4 Fastest Black and White Speed
LEXMARK	X746DE	33	33
LEXMARK	X748DE	33	33
LEXMARK	X748DTE	33	33
TOSHIBA	E-STUDIO 347CSL	33	35
KONICA MINOLTA	BIZHUB C3110	31	31
BROTHER	MFC-L9550CDW	30	30
BROTHER	MFC-L8850CDW	30	30
BROTHER	MFC-L9550CDW	30	30
BROTHER	MFC-L9550CDWT	30	30
KONICA MINOLTA	BIZHUB C35	30	30
KYOCERA MITA	ECOSYS M6030CDN	30	30
KYOCERA MITA	ECOSYS M6530CDN	30	30
LEXMARK	CX410DE	30	30
LEXMARK	CX510DE	30	30
LEXMARK	CX510DHE	30	30
LEXMARK	CX510DTHE	30	30
RICOH GROUP	AFICIO MP C300	30	30
RICOH GROUP	AFICIO MP C305SP	30	30
RICOH GROUP	AFICIO MP C305SPF	30	30
RICOH GROUP	C403	30	30
RICOH GROUP	MP C305SP	30	30
RICOH GROUP	MP C305SPF	30	30
RICOH GROUP	MP C306Z SP	30	30
RICOH GROUP	MP C306Z SPF	30	30
SHARP	MX-C300F	30	30
SHARP	MX-C300W	30	30
SHARP	MX-C301W	30	30
XEROX	PHASER 8560MFP	30	30
BROTHER	DCP-L8400CDN	28	28
BROTHER	MFC-9970CDW	28	28
BROTHER	MFC-L8650CDW	28	28
OKI	ES7460 MFP	28	28
OKI	MC760	28	28
OKI	MC760DN	28	28
OKI	MC760DNFAX	28	28
TOSHIBA	E-STUDIO 287CS	28	28

Leading Pages Per Minute in-class device speeds vendor comparison:

Brand	Model Name	A4 Fastest Color Speed	A4 Fastest Black and White Speed
KYOCERA MITA	ECOSYS M6026CIDN	26	26
KYOCERA MITA	ECOSYS M6526CDN	26	26
KYOCERA MITA	ECOSYS M6526CIDN	26	26
KYOCERA MITA	FS-C2026MFP+	26	26
KYOCERA MITA	FS-C2126MFP+	26	26
KYOCERA MITA	FS-C2526MFP	26	26
KYOCERA MITA	TASKALFA 266CI	26	26
OKI	ES5462DNW MFP	26	30
OKI	MC562W	26	30
SAMSUNG	SL-C2680FX	26	26
CANON	IMAGECLASS MF810CDN	25	25
CANON	IMAGERUNNER ADVANCE C250I	25	25
CANON	IMAGERUNNER ADVANCE C250IF	25	25
CANON	IMAGERUNNER C1325IF	25	25
SHARP	MX-C250	25	25
BROTHER	DCP-9055CDN	24	24
BROTHER	MFC-9465CDN	24	24
EPSON	ACULASER CX37DNF	24	24
KONICA MINOLTA	BIZHUB C25	24	24
SAMSUNG	CLX-6260FR	24	24
SAMSUNG	CLX-6260FW	24	24
SAMSUNG	CLX-6260ND	24	24
LEXMARK	X544N	23	23
OKI	ES3452 MFP	22	24
CANON	IMAGECLASS MF9220CDN	21	21
CANON	IMAGECLASS MF9280CDN	21	21
CANON	IMAGERUNNER C1028	21	28
CANON	IMAGERUNNER C1028I	21	28
CANON	IMAGERUNNER C1028IF	21	28
CANON	IMAGERUNNER C1030	21	29
CANON	I-SENSYS MF9280CDN	21	21
CANON	IMAGECLASS MF8550CDN	20	20
CANON	IMAGECLASS MF8580CDW	20	20
LENOVO	CF2090DWA	20	20
RICOH GROUP	AFICIO SP C252SF	20	20

Leading Pages Per Minute in-class device speeds vendor comparison:

Brand	Model Name	A4 Fastest Color Speed	A4 Fastest Black and White Speed
XEROX	PHASER 6180MFP	20	31
SAMSUNG	CLX-4195FN	18	18

Learn more at hp.com/go/printerspeeds

ColorLok® papers

Based on internal HP testing of Original HP pigment inks on ColorLok® papers.

Durability

Water, smear, fade, and highlighter resistance based on ISO 11798 and internal HP testing. For details, see hp.com/go/printpermanence

Extra-high-yield cartridges (yield/value/comparison)

Yield based on ISO 24711 cartridge yields for HP 981Y Extra High Yield Original PageWide Cartridges, which are not included in printer purchase; purchase separately. Comparison based on ISO 24711 cartridge yields for HP 981Y Extra High Yield Original PageWide Cartridges compared with HP 981 series Original PageWide Cartridges. Learn more at hp.com/go/learnaboutsupplies.

High yield cartridges

Based on ISO 24711 cartridge yields for HP 981 series High Yield Original PageWide Cartridges compared with HP 981 series Original PageWide Cartridges. Learn more at hp.com/go/learnaboutsupplies

Less maintenance than lasers

Less scheduled maintenance based on 150,000 pages printed, and published comparisons of majority of in-class color laser printers and A4 MFPs €1,000–€3,000 Euros or \$1,000–\$3,000 USD as of November 2015; market share as reported by IDC as of Q3 2015.

Example of long-life consumables that may be required:

Model Name	Long-life consumables
HP PageWide Enterprise Color 586	Ink Collection for PageWide devices: 1 unit
Types of long-life consumables required by most laser-class devices. Quantities/types vary by brand and model:	<ul style="list-style-type: none"> • Toner collection unit • Fuser maintenance kits • Drum units • Transfer maintenance kits • Waste container • Transfer belt unit • Transfer roller • Cleaning units • Fuser • Developer

Ethernet and wireless

Wireless networking requires purchase of the HP Jetdirect 2900nw Print Server. Wireless performance is dependent on physical environment and distance from access point, and it may be limited during active VPN connections.

Scan-to functions

Scan speeds for 586z are up to 70 images per minute (ipm) for A4 paper size; up to 74 ipm for letter size. Scan speeds for 586dn/586f are up to 44 ipm for A4 size; up to 46 ipm for letter size. Scan-to functions require an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. Learn more at hpconnected.com

Fast FPOT from ready

Measured using ISO/IEC 17629. Exact speed varies depending on the system configuration, software application, driver, and document complexity. Learn more at hp.com/go/printerclaims

Touch-to-print

Requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. Mobile device must support Near Field Communication (NFC)-enabled printing. For more information, see hp.com/go/businessmobileprinting

Wireless direct

Requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. Mobile device needs to be connected directly to the Wi-Fi® network of a wireless direct-capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Wireless performance is dependent on physical environment and distance from the access point in the MFP or printer. For details, see hp.com/go/businessmobileprinting

OCR

Embedded OCR is intended for occasional use. For high-volume OCR usage, consider optional server-based HP Digital Sending Software.

200+ security settings

Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at hp.com/go/printsecurity

HP Web JetAdmin

HP Web Jetadmin is available for download at no additional charge at hp.com/go/webjetadmin

HP JetAdvantage On Demand

HP JetAdvantage On Demand is a web-based application that requires Internet access. Supported browsers include Microsoft® Internet Explorer® 9-11, Google Chrome™ 9 and newer, Mozilla® Firefox® 4 and newer, and Safari® 5 and newer. Compatible with select HP LaserJet, OfficeJet Pro, and Digital Sender Flow devices that can connect to the Internet. May require a firmware upgrade. For more information, see hpjetadvantage.com

JetAdvantage Security Manager

Based on HP internal research on competitor offerings (Device Security Comparison January 2015), and Solutions Report on HP JetAdvantage Security Manager 2.1 from Buyers Laboratory LLC, February 2015. Requires separate purchase. For details, see hp.com/go/securitymanager

Hardware Integration Pocket

Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase.

Less energy use than in-class lasers

Energy claim for Enterprise devices based on TEC data reported on energystar.gov. Data normalized to determine energy efficiency of majority of in-class color laser MFPs \$1,000–\$3,000 USD and color laser printers \$500–\$1,249 USD as of November 2015; market share as reported by IDC as of Q3 2015. Actual results may vary.

Normalized TEC Approach

The following describes the rationale for normalizing TEC (Typical Electricity Consumption) for imaging equipment.

Rationale:

With the TEC measurement, it is difficult to compare the energy consumption of similar products that have differing speeds. As an example, a vendor may have an identical printer model where one is specified to operate at 25 ipm and the other at 28 ipm. As per the Energy Star® test method the faster printer will inherently have a higher TEC since it has to print more pages. In this example, the 25 ipm printer is based on printing 1,500 pages per week while the 28 ipm is 1,960 pages per week.

In the table below, TEC is normalized to show roughly the amount of energy used per page to better compare products with different speeds.

Product Comparison Table of Normalized Typical Electricity Consumption

Brand Name	Model Name	Model Number	Normalized TEC
HP	PageWide Enterprise Color MFP 586	HP PageWide Enterprise Color MFP 586f	0.301
Brother	MFC-L9550CDW	MFC-L9550CDW	0.977
Canon	imageRUNNER ADVANCE C250iF	imageRUNNER ADVANCE C250iF	0.533
Canon	Color imageCLASS MF8580Cdw	Color imageCLASS MF8580Cdw	0.857
DELL	Dell C3765dnf Multifunction Color Laser Printer	Dell C3765dnf Multifunction Color Laser Printer	0.987
Konica Minolta	bizhub C3110	bizhub C3110	0.846
Konica Minolta	bizhub C3350	bizhub C3350	0.691
Lexmark	CS510dte	CS510dte	0.977
Lexmark	CX510dthe	CX510dthe	1.133
Lexmark	X748dte	X748dte	1.480
OKI	MC770	N31400A	0.893
OKI	MC780	N31400A	0.787
OKI	ES5462	ES5462 (aka OKI MC562dnw)	1.075
TOHSHIBA	e-STUDIO287CS	FC-287CS	1.111
Xerox	WorkCentre 6655	WorkCentre 6655	0.781
Xerox	WorkCentre 6605DN	WorkCentre 6605DN	1.125
Ricoh	Aficio MP C305SP	Aficio MP C305SP	0.559
Kyocera	ECOSYS M6526cidn	ECOSYS M6526cidn	1.327
Kyocera	ECOSYS M6035cidn	ECOSYS M6035cidn	0.625
Kyocera	ECOSYS M6535cidn	ECOSYS M6535cidn	0.625
UTAX	UTAX 261CI	UTAX 261CI (aka Taskalfa 266CI)	1.446

Product Comparison Table of Normalized Typical Electricity Consumption


Brand Name	Model Name	Model Number	Normalized TEC
UTAX	UTAX P-C2665 MFP	UTAX P-C2665 MFP (aka Kyocera M6526cdn)	1.538
Samsung	CLX-6260FR	CLX-6260FR	1.067
Samsung	CLX-8650ND	CLX-8650ND	0.513
Sharp	MX-C300W	MX-C300W	0.889
Sharp	MX-C301W	MX-C301W	0.933
Canon	IMAGECLASS MF810CDN	IMAGECLASS MF810CDN	0.473
Canon	Canon Color imageCLASS MF9280Cdn	ImageCLASS MF9280Cdn	1.901
Canon	Canon imageRUNNER C1325iF	ImageRUNNER C1325iF	0.533
Fuji Xerox	DOCUPRINT CM415 AP	DOCUPRINT CM415 AP	0.592
Konica Minolta	Konica Minolta bizhub C25	Bizhub C25	3.933
Kyocera	FS-C2126MFP+	FS-C2126MFP+	2.118
OKI	MC760	MC760dn	1.786
Xerox	Xerox ColorQube 8700X	ColorQube 8700X	14.260

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