

# HP PageWide Pro 452/552/477/577 series



## Legal disclaimers

### Best-in-class print speeds

Comparison based on manufacturers' published specifications of fastest available color mode of all color business printers \$300–\$800 USD or €300–€800 Euros and MFPs \$400–\$1,000 USD or €400–€800 Euros 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. Learn more at [hp.com/go/printerspeeds](http://hp.com/go/printerspeeds).

Product	Print Speed
<a href="#">PageWide Pro 577dw</a>	70
Xerox ColorQube 8580/N	51
Xerox ColorQube 8580/DN	51
Dell C3760n	36
Dell C3760dn	36
Xerox Phaser 6600/N	36
Xerox Phaser 6600/DN	36
Xerox WorkCentre 6605/N	36
Lexmark C748e	35
Lexmark C746n	35
Lexmark C746dn	35
Canon imageCLASS LBP7780Cdn	33
Samsung CLP-775ND	33
Brother HL-L8350CDW	32
Lexmark CS510de	32
Lexmark CS510dte	32
Lexmark CX410e MFP	32
Lexmark CX410de MFP	32
Lexmark CX410dte MFP	32
Lexmark CS410n	32
Lexmark CS410dn	32
Oki Data C531dn	31
Oki Data C331dn	31
Oki Data MC362w MFP	31

Product	Print Speed
Brother HL-L8250CDN	30
Brother MFC-L8600CDW	30
Brother MFC-L8850CDW	30
Dell C2660dn	28
Dell C2665dnf MFP	28
Ricoh Aficio SP C320DN	26
Lexmark CS310dn	25
Lexmark CX310dn MFP	25
Lexmark CX310n MFP	25
Ricoh SP C250DN	24
Ricoh SP C250SF	24
Xerox Phaser 6500/N	24
Xerox Phaser 6500/DN	24
Xerox WorkCentre 6505/N	24
Xerox WorkCentre 6505/DN	24
Brother MFC-9330CDW	23
Brother MFC-9340CDW	23
Canon imageCLASS MF9220Cdn	22
Canon imageCLASS LBP7660Cdn	21
Canon imageCLASS MF8580Cdw	21
Ricoh SP C252SF	21
Samsung Xpress C1860FW	19
Canon imageCLASS MF8280Cw	14

## Lowest total cost of ownership (TCO) in its class

Total cost of ownership comparison based on 90,000 pages, manufacturers' published specifications for page yields and energy use, manufacturers' suggested retail prices for 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, long-life consumables of all color business printers €300–€800 Euros or \$300–\$800 USD and MFPs €400–€1000 Euros or \$400–\$1,000 USD as of November 2015, excluding products with 1% or lower market share using market share as reported by IDC as of Q3 2015. Learn more at [hp.com/go/pagewideclaims](http://hp.com/go/pagewideclaims) and [hp.com/go/learnaboutsups](http://hp.com/go/learnaboutsups).

Device	TCO
Average TCO based on Transactional Sale in North American region	
<a href="#">HP PageWide Pro 552 (Transactional Sale)</a>	\$4,397
Samsung CLP-775ND	\$5,513
Lexmark C748e	\$5,559
OJ Pro X 377dw	\$5,578
Ricoh SP C252SF	\$5,654
Ricoh Aficio SP C320DN	\$5,673
Dell C3760n	\$5,904
Dell C3760dn	\$6,004
Brother HL-L8250CDN	\$6,421
Brother HL-L8350CDW	\$6,471
Canon imageCLASS MF9220Cdn	\$6,563

Device	TCO
Lexmark C746n	\$6,600
Brother MFC-L8600CDW	\$6,601
Brother MFC-L8850CDW	\$6,671
Lexmark C746dn	\$6,780
Canon imageCLASS LBP7780Cdn	\$7,112
Lexmark CS510de	\$7,194
Xerox ColorQube 8580/N	\$7,207
Xerox ColorQube 8580/DN	\$7,307
Oki Data C531dn	\$7,325
Lexmark CS510dte	\$7,394
Dell C2660dn	\$7,526
Dell C2665dnf MFP	\$7,726
Lexmark CX410e MFP	\$7,817
Lexmark CX410de MFP	\$7,917
Oki Data C331dn	\$8,081
Lexmark CX410dte MFP	\$8,117
Oki Data MC362w MFP	\$8,281
Ricoh SP C250DN	\$8,709
Ricoh SP C250SF	\$8,809
Xerox Phaser 6600/N	\$8,855
Lexmark CS310dn	\$8,904
Lexmark CS410n	\$8,904
Lexmark CS410dn	\$8,954
Xerox Phaser 6600/DN	\$8,955
Brother MFC-9330CDW	\$9,003
Brother MFC-9340CDW	\$9,003
Lexmark CX310dn MFP	\$9,014
Canon imageCLASS LBP7660Cdn	\$9,033
Canon imageCLASS MF8580Cdw	\$9,133
Lexmark CX310n MFP	\$9,171
Xerox WorkCentre 6605/N	\$9,205
Xerox Phaser 6500/N	\$9,808
Xerox Phaser 6500/DN	\$9,908
Xerox WorkCentre 6505/N	\$10,058
Xerox WorkCentre 6505/DN	\$10,158
Samsung Xpress C1860FW	\$11,089
Canon imageCLASS MF8280Cw	\$11,435
Average TCO based on Transactional sales in EMEA region	
<a href="#">Triptane 400 MFP</a>	€ 4,344.00
CANON I-SENSYS MF8580CDW	€ 8,097.12
KYOCERA ECOSYS M6526CDN	€ 8,112.78
LEXMARK CX410DE	€ 8,264.86
OKI MC352DN	€ 9,003.69

Device	TCO
BROTHER DCP-L8400CDN	€ 9,220.32
OKI MC362DN	€ 9,520.06
OKI MC562DNW	€ 9,616.49
RICOH AFICIO SP C252SF	€ 9,825.70
SAMSUNG SL-C2670FW	€10,613.15
KYOCERA ECOSYS M6526CDN	€10,698.65
LEXMARK CX410DE	€10,875.72
XEROX WORKCENTRE 6505N	€12,848.27

## Best-in-class security and management features (PageWide Pro 400/500)

Best-in-class security claim based on HP review of published embedded security features of competitive in-class pro printers as of Jan 2016. For more information visit: [www.hp.com/go/printersecurityclaims](http://www.hp.com/go/printersecurityclaims).

## Energy efficiency claims

### Less energy use than in-class lasers

#### Best in class energy efficiency

Energy claim based on all TEC data reported on [energystar.gov](http://energystar.gov) as of February 2018. Data normalized to determine energy efficiency of in-class color laser printers with published speeds of 20 to 80 ppm. Subject to device settings. Actual results may vary.

#### Typical Electricity Consumption (TEC) on a per-page basis

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 pages per minute (ppm) and the other at 28 ppm. 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 ppm printer is based on printing 1,500 pages per week while the 28 ppm printer is based on 1,960 pages per week.

For the basis of our claims, TEC is normalized to show the approximate amount of energy used per page to simplify the comparison of products with different speeds. The following figures 1 and 2 are graphical representations of energy efficiency of PageWide products vs. in-class laser printers. [Click here](#) for a list of the comparative TEC normalized specifications for single function and multifunction products.

Figure 1. Product comparison: Normalized TEC, color single function devices (from ENERGY STAR Database, February 2018)

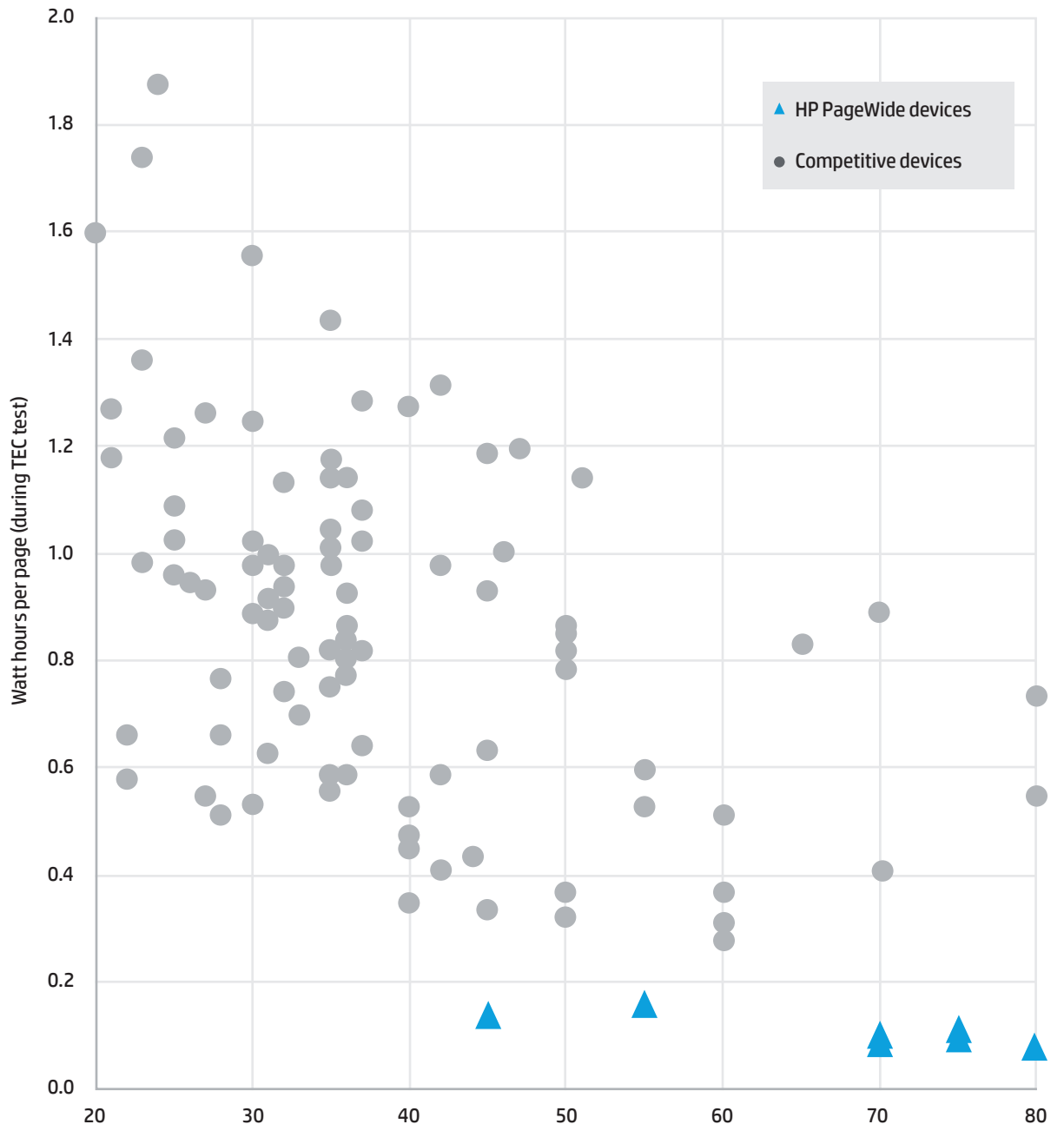
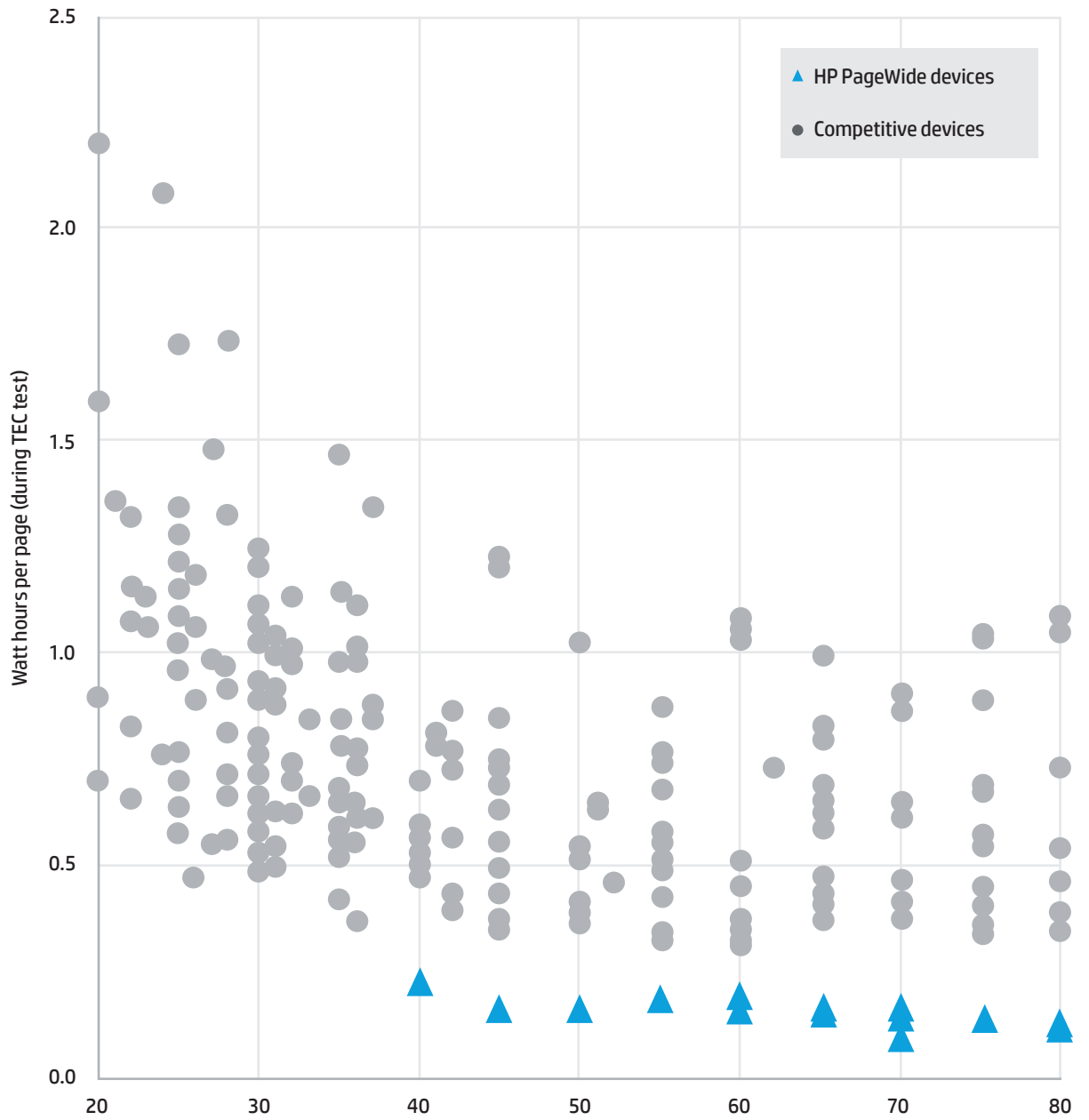


Figure 2. Product comparison: Normalized TEC, color multifunction devices (from ENERGY STAR Database, February 2018)



## ColorLok

Based on internal HP testing of Original HP PageWide cartridges on ColorLok® papers.

## Durability

Water, smear, fade, and highlighter resistance based on ISO 11798 testing. For details, see [hp.com/go/printpermanence](http://hp.com/go/printpermanence).

## Extra-high-yield (Y) cartridges

Yield based on ISO 24711 cartridge yields for HP 976Y Extra High Yield Original PageWide Cartridges, which are not included in printer purchase; purchase separately. Comparison based on ISO 24711 cartridge yields for HP 976Y Extra High Yield Original PageWide Cartridges compared with HP 970 series Original PageWide cartridges. Extra-high-yield cartridges are compatible only with HP PageWide Pro 500 series MFPs and printers. Learn more at [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies).

## High-yield cartridges (X) cartridges

HP 970X High Yield Original PageWide Cartridges are not included in printer purchase; purchase separately. Comparison based on ISO 24711 cartridge yields for HP 970 series High Yield Original PageWide Cartridges compared with HP 970 series Original PageWide Cartridges. High-yield cartridges are compatible only with HP PageWide Pro 400 and 500 series MFPs and printers. Learn more at [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies).

## Less scheduled maintenance/fewer replacement parts vs. lasers

Less scheduled maintenance based on 150,000 pages printed, and published comparisons of majority of in-class color laser printers \$300–\$800 USD or €300–€800 Euros and MFPs \$400–\$1,000 USD or €400–€1,000 Euros as of November 2015; market share as reported by IDC as of Q3 2015. Learn more at [hp.com/go/pagewideclaims](http://hp.com/go/pagewideclaims).

### Long-life consumables that may be required

Model Name	Long-life consumables
HP PageWide Pro 552dw	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"> <li>• Toner collection unit</li> <li>• Fuser maintenance kits</li> <li>• Drum units</li> <li>• Transfer maintenance kits</li> <li>• Waste container</li> <li>• Transfer belt unit</li> <li>• Transfer roller</li> <li>• Cleaning units</li> <li>• Fuser</li> <li>• Developer</li> </ul>

## Scan-to functions

Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see [hpconnected.com](http://hpconnected.com).

## Best-in-class FPOT

Comparison based on manufacturers' published specifications of first page out from ready and sleep mode of all color business printers \$300–\$800 USD or €300–€800 Euros and MFPs \$400–\$1,000 USD or €400–€1,000 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. Subject to device settings. Actual results may vary. Learn more at [hp.com/go/printerspeeds](http://hp.com/go/printerspeeds).

Product	FPOT
HP PageWide Pro 577dw	6
Brother HL-L8250CDN	15
Brother MFC-L8850CDW	15
Brother MFC-9340CDW	16
Canon imageCLASS MF9220Cdn	12.5
Canon imageCLASS LBP7780Cdn	10.5
Canon imageCLASS MF8580Cdw	15
Dell C3760n	13.5
Dell C2665dnf MFP	14
Lexmark C746dn	9
Lexmark CS310dn	10
Lexmark CX310n MFP	10
Oki Data C331dn	7.5
Oki Data MC362w MFP	7.5
Ricoh SP C252SF	14
Ricoh Aficio SP C320DN	13.5
Ricoh SP C250DN	14
Samsung CLP-775ND	10
Samsung Xpress C1860FW	16
Xerox Phaser 6600/DN	9
Xerox WorkCentre 6605/N	9

## Wi-Fi Direct printing

Mobile device needs to be connected directly to the signal of a Wi-Fi Direct® supported MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Wi-Fi Direct is a registered trademark of Wi-Fi Alliance®. For details, see [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting).

## NFC touch-to-print

Requires a compatible NFC-printing-enabled mobile device. For a list of compatible NFC-printing-enabled mobile devices, see [hp.com/go/nfcprinting](http://hp.com/go/nfcprinting).

## Print Microsoft® Word and PowerPoint files from USB

Feature works with Microsoft® Word and PowerPoint® 2003 and later. Only Latin language fonts are supported.

## Easy printing from a variety of mobile devices (embedded print compatibility)

Wireless operations are compatible with 2.4 GHz operations only. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting).

## HP Color Access Control

HP Color Access Control available only on HP PageWide Pro devices with a 4.3-inch touchscreen. Learn more at [hp.com/go/pagewidebusiness](http://hp.com/go/pagewidebusiness).



## HP Web Jetadmin

HP Web Jetadmin is free and available for download at [hp.com/go/webjetadmin](http://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](http://hpjetadvantage.com).

## HP JetAdvantage Security Manager

Requires separate purchase. For details, see [hp.com/go/securitymanager](http://hp.com/go/securitymanager).

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