

# HP PageWide Enterprise Color 556 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 556.

## 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 €500-€1,200 Euros or \$500-\$1,249 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](http://hp.com/go/pagewidebusiness) and [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies).

Device	TCO
Average TCO based on Transactional sale in European region	
<a href="#">HP PageWide Enterprise Color 556</a>	€ 2,697.08
LEXMARK C792DE	€ 5,698.69
LEXMARK C792DTE	€ 6,267.59
LEXMARK C746N	€ 6,089.45
LEXMARK C746DTN	€ 6,521.95
LEXMARK C748DTE	€ 5,391.86
LEXMARK C748DE	€ 5,018.55
LEXMARK C748E	€ 5,093.54
KYOCERA ECOSYS P6035CDN	€ 4,243.19
KYOCERA ECOSYS P7035CDN	€ 3,706.39
RICOH AFICIO SP C320DN	€ 5,285.24
OKI C711N	€ 4,621.77
OKI C711WT	€ 6,254.17
OKI C711DN	€ 4,566.16

Device	TCO
CANON LBP-7780CX	€ 4,911.24
XEROX PHASER 6700N	€ 5,207.34
XEROX PHASER 6700DN	€ 4,429.98
BROTHER HL-L9200CDWT	€ 5,746.70
SAMSUNG SL-C2620DW	€ 4,385.78
Ricoh AFICIO SP C440DN	€ 3,978.12
Average TCO based on Transactional sales in North American region	
<a href="#">HP PageWide Enterprise Color 556</a>	<b>\$ 3,008</b>
LEXMARK CS510DE	\$ 6,179.39
LEXMARK CS510DTE	\$ 6,267.45
LEXMARK C746DN	\$ 6,306.81
LEXMARK C746N	\$ 6,060.06
LEXMARK C746DTN	\$ 6,343.02
LEXMARK C748DE	\$ 5,657.58
LEXMARK C748E	\$ 5,502.01
DELL 3760N	\$ 4,744.83
DELL 3760DN	\$ 4,940.31
XEROX COLORQUBE 8580N	\$ 6,140.22
XEROX COLORQUBE 8580DN	\$ 6,141.64
XEROX PHASER 6600N	\$ 7,451.94
XEROX PHASER 6600DN	\$ 7,473.07
RICOH AFICIO SP C252DN	\$ 4,405.53
RICOH AFICIO SP C320DN	\$ 4,606.04
OKI C610N	\$ 5,926.87
OKI C610DN	\$ 6,105.08
OKI C610DTN	\$ 6,364.63
OKI C711N	\$ 8,940.62
OKI C711WT	\$ 10,245.17
OKI C711DN	\$ 9,050.70
SAMSUNG CLP-775ND	\$ 4,963.16

Learn more at [hp.com/go/learnaboutsupplies](http://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](http://hp.com/go/printersthatprotect) and [hp.com/go/printersecurityclaims](http://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 printers €500-€1200 Euros or \$500-\$1,249 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 556	75	75
BROTHER	HL-3150CDN	18	18
BROTHER	HL-3170CW	22	22
BROTHER	HL-4150CDN	24	24
BROTHER	HL-L8250CDN	28	28
BROTHER	HL-L8350CDW	30	30
BROTHER	HL-L9200CDW	30	30
BROTHER	HL-L9200CDWT	30	30
CANON	CLBP-2260DN	26	30
CANON	COLOR IMAGERUNNER LBP5280	20	20
CANON	COLOR IMAGERUNNER LBP5480	31	31
CANON	I-SENSYS LBP7780CX	32	32
CANON	LBP-7100CN	14	14
CANON	LBP-7200CD	20	20
CANON	LBP-7200CDN	20	20
CANON	LBP-7660CDN	20	20
CANON	LBP-7680CX	20	20
DELL	3760DN	35	35
DELL	3760N	35	35
DELL	5130CDN	45	45
EPSON	ACULASER C2900N	23	23
EPSON	ACULASER C300DN	31	31
EPSON	ACULASER C300N	31	31
EPSON	ACULASER C3900DN	30	30
EPSON	ACULASER C3900N	30	30
EPSON	ACULASER C500DN	45	45
EPSON	WORKFORCE AL-C300DN	31	31

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

Brand	Model Name	A4 Fastest Color Speed	A4 Fastest Black and White Speed
EPSON	WORKFORCE AL-C300N	31	31
KONICA MINOLTA	BIZHUB C3100P	31	31
KONICA MINOLTA	BIZHUB C35P	30	30
KONICA MINOLTA	MAGICOLOR 4750DN	29	29
KONICA MINOLTA	MAGICOLOR 4750EN	29	29
KYOCERA MITA	ECOSYS P6021CDN	21	21
KYOCERA MITA	ECOSYS P6026CDN	26	26
KYOCERA MITA	ECOSYS P6030CDN	30	30
KYOCERA MITA	ECOSYS P6035CDN	35	35
KYOCERA MITA	ECOSYS P6130CDN	30	30
KYOCERA MITA	ECOSYS P7035CDN	35	35
KYOCERA MITA	FS-C5150DN	21	21
KYOCERA MITA	FS-C5250DN	26	26
KYOCERA MITA	FS-C5350DN	30	30
KYOCERA MITA	FS-C5400DN	35	35
LENOVO	CS2010DW	20	20
LENOVO	CS2310N	23	23
LEXMARK	C534	21	22
LEXMARK	C544N	23	23
LEXMARK	C746	33	33
LEXMARK	C746DN	33	33
LEXMARK	C746DTN	33	33
LEXMARK	C746N	33	33
LEXMARK	C748DE	33	33
LEXMARK	C748DTE	33	33
LEXMARK	C748E	33	33
LEXMARK	C792DE	47	47
LEXMARK	C792DTE	47	47
LEXMARK	C792E	47	47
LEXMARK	CS310DN	24	24
LEXMARK	CS410DN	30	30
LEXMARK	CS510DE	30	30
LEXMARK	CS510DTE	30	30
OKI	C331DN	22	24
OKI	C331SDN	22	24
OKI	C5300DN	12	20

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

Brand	Model Name	A4 Fastest Color Speed	A4 Fastest Black and White Speed
OKI	C530DN	26	30
OKI	C531DN	26	30
OKI	C610DN	34	36
OKI	C610DTN	34	36
OKI	C610N	34	36
OKI	C711DN	34	36
OKI	C711N	34	36
OKI	C711WT	34	36
OKI	ES5431	26	30
OKI	ES5431DN	26	30
OKI	ES6405	32	34
OKI	ES6410DN	34	36
OKI	ES7411DN	34	36
RICOH GROUP	AFICIO SP C242DN	20	20
RICOH GROUP	AFICIO SP C252DN	20	20
RICOH GROUP	AFICIO SP C320DN	25	25
RICOH GROUP	AFICIO SP C420DN	30	30
RICOH GROUP	AFICIO SP C420DN KP	30	30
RICOH GROUP	AFICIO SP C430DN	35	35
RICOH GROUP	AFICIO SP C440DN	40	40
RICOH GROUP	P201DN	26	30
RICOH GROUP	P400DN	34	36
RICOH GROUP	P411DN	30	30
RICOH GROUP	SP C250DN	20	20
RICOH GROUP	SP C252DN	20	20
RICOH GROUP	SP C320DN	25	25
RICOH GROUP	SP C440DN	40	40
SAMSUNG	CLP-415N	18	18
SAMSUNG	CLP-680DW	24	24
SAMSUNG	CLP-680ND	24	24
SAMSUNG	CLP-775N	33	33
SAMSUNG	CLP-775ND	33	33
SAMSUNG	SL-C2620DW	26	26
SHARP	MX-C300P	30	30
TOSHIBA	E-STUDIO 262CP	26	30
XEROX	COLORQUBE 8570DN	40	40

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

Brand	Model Name	A4 Fastest Color Speed	A4 Fastest Black and White Speed
XEROX	COLORQUBE 8570N	40	40
XEROX	COLORQUBE 8580DN	51	51
XEROX	COLORQUBE 8580N	51	51
XEROX	DOCUPRINT C2200	25	25
XEROX	DOCUPRINT CP305D	23	23
XEROX	DOCUPRINT CP405D	35	35
XEROX	PHASER 6010	12	15
XEROX	PHASER 6180DN	20	25
XEROX	PHASER 6280DN	25	30
XEROX	PHASER 6500DN	23	23
XEROX	PHASER 6500N	23	23
XEROX	PHASER 6600	35	35
XEROX	PHASER 6600DN	35	35
XEROX	PHASER 6600N	35	35
XEROX	PHASER 6700	45	45
XEROX	PHASER 6700DN	45	45
XEROX	PHASER 6700N	45	45

Learn more at [hp.com/go/printerspeeds](http://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](http://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](http://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](http://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 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.

Examples of long-life consumables that may be required:

Model Name	Long-life consumables
HP PageWide Enterprise Color 556	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>

## 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.

## 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](http://hp.com/go/printerclaims).

## Touch-to-print

Touch-to-print capability is standard on the HP PageWide Enterprise Color 556xh only. Requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory for HP PageWide Enterprise Color 556dn. Mobile device must support Near Field Communication (NFC)-enabled printing. For more information, see [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting).

## Wireless direct

Wireless direct capability is standard on the HP PageWide Enterprise Color 556xh only. Requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory for the HP PageWide Enterprise Color 556dn. 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](http://hp.com/go/businessmobileprinting).

## 100+ 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](http://hp.com/go/printsecurity).

## 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).

## HP Web Jetadmin

HP Web Jetadmin is available for download at no additional charge at [hp.com/go/webjetadmin](http://hp.com/go/webjetadmin).

## Hardware Integration Pocket

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

## 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.

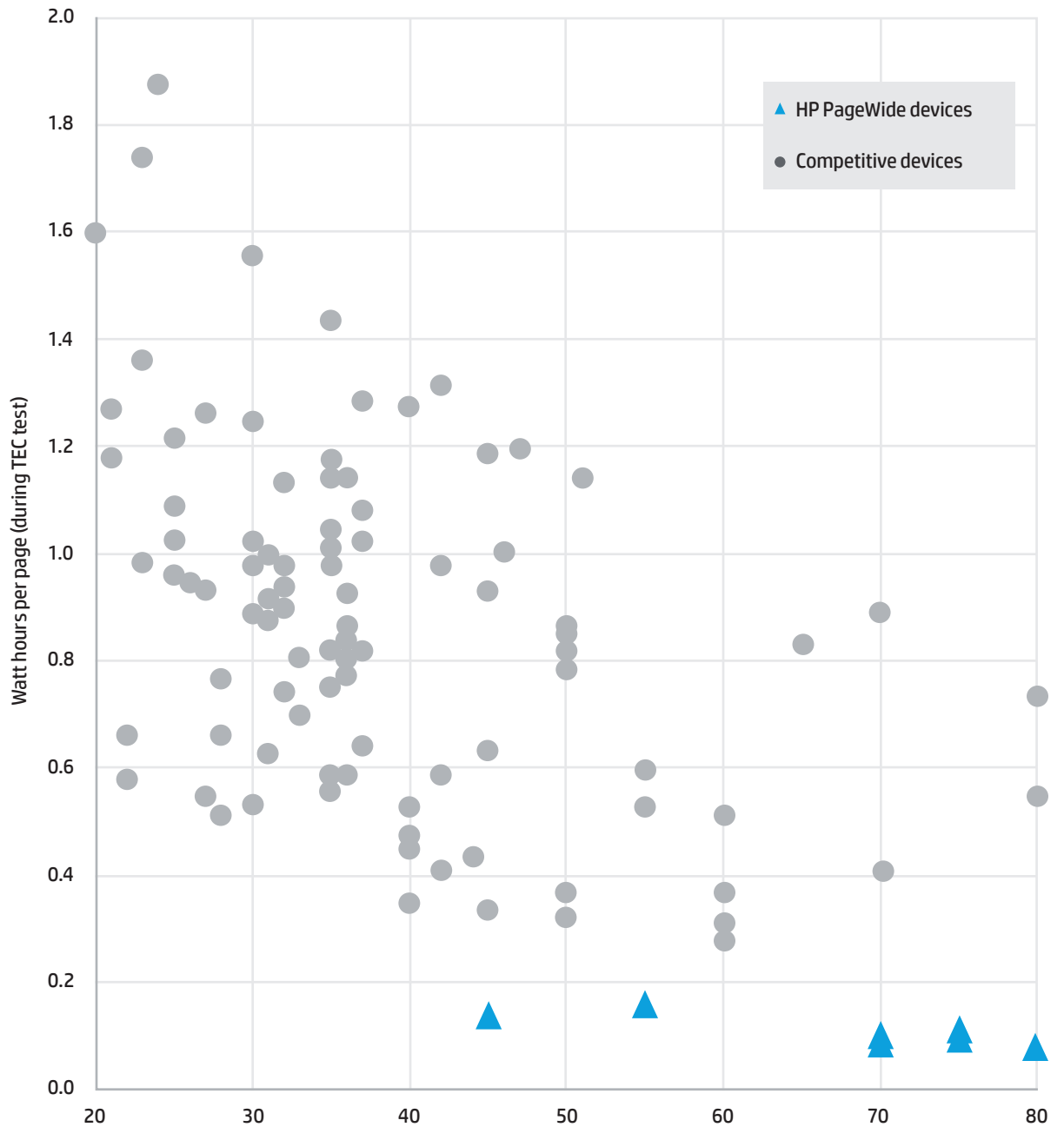
#### Typical Electricity Consumption (TEC) on a per-page basis

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 chart is a graphical representation 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 products.



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



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