

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 and hp.com/go/learnaboutsupplies.

Device	TCO
Average TCO based on Transactional sale in European region	
HP PageWide Enterprise Color 556	€ 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	
HP PageWide Enterprise Color 556	\$ 3,008
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 .

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 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

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 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"> • 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.

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

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

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

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

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

HP Web Jetadmin

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

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 Euros or \$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 556	HP PageWide Enterprise Color 556dn	0.215
Brother	HL-L9200CDWT	HL-L9200CDWT	0.898
Brother	HL-L8350CDWT	HL-L8350CDWT	0.933
Canon	imageCLASS LBP7780Cdn	imageCLASS LBP7780Cdn	0.625
Canon	imageRUNNER LBP5480	imageRUNNER LBP5480	0.625
Canon	Color imageCLASS LBP7660Cdn	Color imageCLASS LBP7660Cdn	0.857
Canon	LBP-7200	LBP-7200CD	2.190
DELL	Dell C3760dn Color Laser Printer	Dell C3760dn Color Laser Printer	1.053
KYOCERA	ECOSYS P6035cdn	ECOSYS P6035cdn	0.655
KYOCERA	ECOSYS P6030cdn	ECOSYS P6030cdn	1.133
KYOCERA	ECOSYS P7035cdn	ECOSYS P7035cdn	1.101
KYOCERA	FS-C5400dn	FS-C5400dn	1.941
KYOCERA	FS-C5150dn	FS-C5150dn	1.810
Lexmark	C746dtn	C746dtn	1.151

Product Comparison Table of Normalized Typical Electricity Consumption

Brand Name	Model Name	Model Number	Normalized TEC
Lexmark	C748dte	C748dte	1.184
Lexmark	C792dhe	C792dhe	0.785
Lexmark	C5510dte	C5510dte	0.977
OKI	C610DM	N31193A	0.875
OKI	C711DM	N31194A	0.844
OKI	C530dn	N34304A	1.032
OKI	C531dn	N34324A	0.903
OKI	C331dn	N34322A	1.067
OKI	Oki ES5431	ES5431	0.933
OKI	Oki ES6410dn	Oki ES6410dn	2.000
Ricoh	Aficio SP C320DN	Aficio SP C320DN	1.598
Ricoh	SP C252DN	SP C252DN	1.333
Ricoh	SP C440DN	SP C440DN	0.995
Ricoh	Ricoh Aficio SP C430DN	Aficio SP C430DN	1.607
Samsung	CLP-775ND	CLP-775ND	1.184
Samsung	ProXpress C2620DW	ProXpress C2620DW	0.969
Samsung	CLP-680ND	CLP-680ND	1.000
Sharp	MX-C300P	MX-C300P	0.889
UTAX	P-C3560dn	P-C3560dn	0.975
Xerox	ColorQube	8580 / 8880	1.156
Xerox	ColorQube 8570DNES	ColorQube 8570DNES	1.275
Xerox	Phaser 6600DN	Phaser 6600DN	1.156
Xerox	Phaser 6700DX	Phaser 6700DX	1.213

Sign up for updates
hp.com/go/getupdated

   
 Share with colleagues


 Rate this document

