

# HP PageWide Pro 452dn, 452dw, 552dw Printer



**HP PageWide Pro is faster<sup>1</sup> than any color printer in its class, for an exceptional value.<sup>2</sup>**

Ultimate value and speed—HP PageWide Pro delivers the lowest total cost of ownership and fastest speeds in its class.<sup>1,2</sup> Get professional-quality color plus best-in-class security features and energy efficiency.<sup>3,4</sup>



**HP PageWide Pro 452dn Printer**



**HP PageWide Pro 452dw Printer**



**HP PageWide Pro 552dw Printer**

## Professional color, breakthrough total cost

- Results you expect and lasting value—breakthrough total cost of ownership, the lowest in its class.<sup>2</sup>
- Print professional-quality color on a variety of papers—perfect for office use.
- Print 4x more pages than standard cartridges with Original HP PageWide extra-high-yield cartridges.<sup>7</sup> (for 552dw model)
- Spend less time and budget on scheduled maintenance with streamlined HP PageWide Technology.<sup>8</sup>

## The fastest printer in its class<sup>1</sup>

- Keep productivity on track with best-in-class speeds<sup>1</sup> and fast printing from sleep mode. Documents are ready fast, so there's less waiting.
- Grab pages and go—without waiting. This device wakes up and prints fastest in its class.<sup>5</sup>
- Manage tasks from a 4.3-inch (10.9 cm) touchscreen. Print Microsoft® Word and PowerPoint® files from USB.<sup>6</sup> (for 552dw model)
- Print from your mobile device with Wi-Fi Direct® and NFC touch-to-print technology—no network needed.<sup>9,10</sup> (for 552dw model)

## Proven technology. Superior energy efficiency.<sup>4</sup>

- Minimize downtime with HP PageWide Technology that delivers reliable performance businesses demand.
- Conserve with HP PageWide Technology—designed to use much less energy than any printer in its class.<sup>4</sup>
- Print up to 13,000 color pages and up to 17,000 black-and-white pages—and go longer between replacements.<sup>7</sup> (for 552dw model)
- Get professional-quality color documents and the performance you expect with Original HP PageWide cartridges.

## Best-in-class security and management features<sup>3</sup>

- Help protect your investment and extend capabilities as your needs grow with a portfolio of solutions.<sup>11</sup>
- Help ensure the security of confidential information. Enter a PIN at the device to retrieve your print job. (for 552dw model)
- Regulate color use and reduce printing costs with HP Color Access Control.<sup>12</sup> (for 552dw model)
- Help keep your printer secure—from boot up to shutdown—with secure boot and secure code integrity validation.

<sup>1</sup> Comparison based on manufacturers' published specifications of fastest available color mode of all color business printers \$300–\$800 USD and MFPs \$400–\$1000 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. Learn more at [hp.com/go/printerspeeds](http://hp.com/go/printerspeeds)

<sup>2</sup> 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, 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 USD and MFPs \$400–\$1000 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)

<sup>3</sup> Best-in-class security and fleet management claim based on comparison of built-in features of all color business printers \$300–\$800 USD and MFPs \$400–\$1000 USD as of November 2015, excluding products with 1% or lower market share as reported by IDC as of Q3 2015. Learn more at [hp.com/go/printersecurityclaims](http://hp.com/go/printersecurityclaims)

<sup>4</sup> Energy claim based on TEC data reported on energystar.gov. Data normalized to determine energy efficiency of majority of in-class business printers \$300–\$800 USD and MFPs \$400–\$1000 USD as of November 2015; market share as reported by IDC as of Q3 2015. Actual results may vary. Learn more at [hp.com/go/pagewideclaims](http://hp.com/go/pagewideclaims)

<sup>5</sup> Comparison based on manufacturers' published specifications of first page out from ready and sleep mode of all color business printers \$300–\$800 USD and MFPs \$400–\$1000 USD as of November 2015, excluding other HP PageWide products, and products with 1% or lower 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)

<sup>6</sup> Feature works with Microsoft® Word and PowerPoint® 2003 and later. Only Latin language fonts are supported.

<sup>7</sup> 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/learnaboutsups](http://hp.com/go/learnaboutsups)

<sup>8</sup> Less scheduled maintenance based on 150,000 pages printed, and published comparisons of majority of in-class color laser printers \$300–\$800 USD and MFPs \$400–\$1000 USD 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)

<sup>9</sup> 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)

<sup>10</sup> 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)

<sup>11</sup> Additional workflow solutions available through HP's software and third-party partner program. For solution details, visit [hp.com/go/gsc](http://hp.com/go/gsc)

<sup>12</sup> 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)

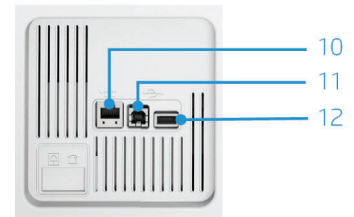
## Product walk around: 552dw Printer

HP PageWide Pro 552dw Printer shown

- 1 Intuitive 4.3-inch (10.9 cm) color touchscreen with gesturing
- 2 Easy-access USB port for convenient USB document printing
- 3 Wi-Fi Direct<sup>5</sup>/NFC touch to-print<sup>6</sup>
- 4 50-sheet multipurpose tray 1 with long paper extension
- 5 300-sheet output bin
- 6 Built-in wireless networking<sup>7</sup>
- 7 Front door access to easy-to-replace print cartridges
- 8 Built-in automatic two-sided printing
- 9 500-sheet main input tray 2
- 10 Ethernet network port, 10/100Base-TX
- 11 Hi-Speed USB 2.0 printing port
- 12 Hi-Speed USB 2.0 port (for connecting third party devices)



Front view



Rear I/O panel close-up

## Series at a glance



452dn/dw



552dw

Model	452dn/dw	552dw
<b>Print speed in pages per minute (ppm) (black/color, letter/A4)<sup>8</sup></b>	Up to 40 Professional mode Up to 55 General Office (GO) mode	Up to 50 Professional mode Up to 70 General Office (GO) mode
<b>Print cartridge options (maximum page yields)</b>	High-yield (X) cartridges (10,000 black/7,000 color) <sup>9</sup>	Extra-high-yield (Y) cartridges (17,000 black/13,000 color) <sup>10</sup>
<b>Control panel display</b>	2-inch (5 cm) mono graphic display	4.3-inch (10.9 cm) color touchscreen
<b>Print input capacity (standard/optional)</b>	550/1,050 <sup>11</sup>	550/1,550 <sup>12</sup>
<b>Duty cycle (pages per month)<sup>13</sup></b>	Up to 50,000	Up to 80,000
<b>Security, manageability, and extensibility features</b>	✓	✓
<b>Print Microsoft<sup>®</sup> Word and PowerPoint<sup>®</sup> files from USB<sup>14</sup></b>	Not available	✓
<b>Wi-Fi Direct<sup>5</sup> and NFC touch-to-print capabilities<sup>6</sup></b>	dw model only	✓

<sup>1</sup> A mobile device needs to be connected directly to the Wi-Fi Direct 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. For details, see [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). Wi-Fi Direct is a registered trademark of the Wi-Fi Alliance<sup>®</sup>. <sup>6</sup> NFC touch-to-print capabilities available with 377, 477, 552, and 577 series models only. 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). <sup>7</sup> Wireless printing is not available with 452dn and 477dn models. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections. <sup>8</sup> Printing speed measured using ISO/IEC 24734 and excludes first set of test documents. For more information, see [hp.com/go/printerclaims](http://hp.com/go/printerclaims). Exact speed varies depending on the system configuration, software application, driver, and document complexity. Print speeds are up to 55 ppm, letter/A4 for the HP PageWide Pro 452 and 477 series; up to 70 ppm, letter/A4 for the HP PageWide Pro 552 and 577 series. <sup>9</sup> HP 976X High Yield Original PageWide cartridges are not included in printer purchase; purchase separately. Comparison 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). <sup>10</sup> 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). <sup>11</sup> Printing up to 1,050 sheets with additional paper input tray, not included please purchase separately. <sup>12</sup> Printing up to 1,550 sheets with additional paper input trays 3, 4 and mobile cart included with the 577z model only, please purchase separately for 477dw, 552dw, and 577dw models, not compatible with 377dw and 452dw models. <sup>13</sup> Duty cycle is defined as the maximum number of pages per month of imaged output. <sup>14</sup> Feature available with 477, 552, and 577 series models only. Feature works with Microsoft<sup>®</sup> Word and PowerPoint<sup>®</sup> 2003 and later. Only Latin language fonts are supported.

## HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs.

HP Care Pack Services provide comprehensive suite of protection services designed to keep HP Hardware and software up and running so employees can stay productive.

### Installation Service with Network Setup:

Installation services that include onsite installation and network setup of printing product.

**Next Business Day Onsite Repair:** Makes an HP technician available at customers' premise the next business day, if the issue cannot be resolved remotely.

For care pack availability visit: [hp.com/go/cpc](http://hp.com/go/cpc)



## Top Features

Count on exceptional value and the results businesses need—print professional-quality color documents for the lowest total cost of ownership in its class.<sup>2</sup>

Keep productivity on track with best-in-class speeds<sup>1</sup> and fast printing from sleep mode. Documents are ready fast, so there's less waiting.

Minimize interruptions and downtime with efficient, reliable performance. Conserve resources and use significantly less energy than laser printers,<sup>4</sup> with HP PageWide Technology designed for today's busy office.

Help protect your fleet, data, and documents with best-in-class security and fleet management features.<sup>3</sup> Help secure important information and get the tools you need to work efficiently and confidently.

### Accessories

D3Q23A	HP PageWide Pro 500-sheet Paper Tray
POV04A	HP PageWide Pro 2x500-sheet Paper Tray and Stand (only for 552dw model)

### Supplies

F6T80AN	HP 972A Black Original PageWide Cartridge (~3500 pages)
LOR86AN	HP 972A Cyan Original PageWide Cartridge (~3000 pages)
LOR89AN	HP 972A Magenta Original PageWide Cartridge (~3000 pages)
LOR92AN	HP 972A Yellow Original PageWide Cartridge (~3000 pages)
F6T84AN	HP 972X High Yield Black Original PageWide Cartridge (~10,000 pages)
LOR98AN	HP 972X High Yield Cyan Original PageWide Cartridge (~7000 pages)
LOS01AN	HP 972X High Yield Magenta Original PageWide Cartridge (~7000 pages)
LOS04AN	HP 972X High Yield Yellow Original PageWide Cartridge (~7000 pages)
LOR08A	HP 976Y Extra High Yield Black Original PageWide Cartridge (~17000 pages) (552dw)
LOR05A	HP 976Y Extra High Yield Cyan Original PageWide Cartridge (~13000 pages) (552dw)
LOR06A	HP 976Y Extra High Yield Magenta Original PageWide Cartridge (~13000 pages) (552dw)
LOR07A	HP 976Y Extra High Yield Yellow Original PageWide Cartridge (~13000 pages) (552dw)

### Services

#### HP PageWide Pro 452dn/dw, 552dw Printer

U8ZZ1E	HP 2 Year Next Business Day PageWide Pro X452/X552 Hardware Support
U8ZZ2E	HP 3 Year Next Business Day PageWide Pro X452/X552 Hardware Support
U8ZZ3E	HP 4 Year Next Business Day PageWide Pro X452/X552 Hardware Support
U8ZZ4E	HP 5 year Next Business Day PageWide Pro X452/X552 Hardware Support
U9AA1E	HP 3 year Next Business Day Exchange PageWide Pro X452/X552 Service
U1PA9E	HP Network Installation OfficeJet/PageWide Pro X45x-X55x Service

<sup>1</sup> Comparison based on manufacturers' published specifications of fastest available color mode of all color business printers \$300-\$800 USD and MFPS \$400-\$1000 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. Learn more at [hp.com/go/printer speeds](http://hp.com/go/printer speeds)  
<sup>2</sup> 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, 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 USD and MFPS \$400-\$1000 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/learnaboutsupplies](http://hp.com/go/learnaboutsupplies)  
<sup>3</sup> Best-in-class security and fleet management claim based on comparison of built-in features of all color business printers \$300-\$800 USD and MFPS \$400-\$1000 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/printersecurityclaims](http://hp.com/go/printersecurityclaims)  
<sup>4</sup> Energy claim based on TEC data reported on [energystar.gov](http://energystar.gov). Data normalized to determine energy efficiency of majority of in-class business printers \$300-\$800 USD and MFPS \$400-\$1000 USD as of November 2015; market share as reported by IDC as of Q3 2015. Actual results may vary. Learn more at [hp.com/go/pagewideclaims](http://hp.com/go/pagewideclaims)

# HP PageWide Pro 452dn, 452dw, 552dw Printer

Technical specifications	HP PageWide Pro 452dn Printer (D3Q15A)	HP PageWide Pro 452dw Printer (D3Q16A)	HP PageWide Pro 552dw Printer (D3Q17A)
<b>AIO functions</b>	Print		
<b>Duplex print options</b>	Automatic (standard)		
<b>Print speed</b>	<b>ISO speed:</b> Up to 40 ppm black and color <b>Maximum, letter:</b> Up to 55 ppm black and color		<b>ISO speed:</b> Up to 50 ppm black and color <b>Maximum, letter:</b> Up to 70 ppm black and color
<b>First page out</b>	<b>Black (ready):</b> As fast as 6.5 sec; <b>Color (ready):</b> As fast as 7 sec		<b>Black (ready):</b> As fast as 6 sec; <b>Color (ready):</b> As fast as 6.5 sec
<b>Print resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 optimized dpi from 600 x 600 input dpi (on unspecified plain paper, HP Premium Inkjet Presentation Paper Matte, and HP Inkjet Brochure Paper Matte) <b>Color (best):</b> Up to 2400 x 1200 optimized dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)		
<b>Print technology</b>	HP PageWide Technology with pigmented inks		
<b>Print cartridges number</b>	4 (1 each black, cyan, magenta, yellow)		
<b>Mobile printing capability</b>	Not available	HP ePrint, HP Mobile Apps, Google Cloud Print v2, Apple AirPrint™, Mopria-certified, Android Plug-in, Windows 8/10, Windows 10 Mobile, Chromebook	
<b>Borderless printing</b>	No		
<b>Standard print languages</b>	HP PCLXL (PCL6), native PDF, HP Postscript Level 3 emulation		
<b>Printer management</b>	HP Web Jetadmin; Embedded Web Server; HP UPD Printer Administrator Resource Kit; HP Utility (Mac), HP JetAdvantage Security Manager optional		
<b>Printer smart software features</b>	<b>452dn:</b> HP ePrint, HP Mobile Apps, HP EasyColor, print preview, automatic two-sided printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, booklet printing, cover pages, tray selection, scaling, Portrait/Landscape orientation, High Quality Grayscale and Black Ink Only, General Office/Professional/Presentation/Maximum dpi print modes, front USB port, Control Panel Shortcuts; <b>452dw:</b> same as 452dn plus Google Cloud Print v2, Apple AirPrint™; <b>552dw:</b> same as 452dw plus HP UPD PIN printing; HP Color Access Control; Optional: HP and third party extensibility solutions; wireless		
<b>Standard connectivity</b>	<b>452dn:</b> 1 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Ethernet 10/100 Base-TX network; <b>452dw/552dw:</b> same as 452dn plus 802.11 b/g/n Station; 802.11 b/g Access Point		
<b>Network capabilities</b>	Standard (built-in Ethernet, Wi-Fi 802.11b/g/n)		
<b>Wireless capability</b>	Standard (built-in Ethernet)	Standard (built-in Ethernet and Wi-Fi 802.11b/g/n)	
<b>Memory</b>	512 MB		
<b>Duty cycle (monthly)<sup>2</sup></b>	Up to 50,000 pages; <b>Recommended monthly page volume:</b> <sup>2</sup> 750 to 4500 pages		Up to 80,000 pages; <b>Recommended monthly page volume:</b> <sup>2</sup> 1000 to 6000 pages
<b>Paper handling</b>	500-sheet input tray, 50-sheet multi-purpose tray; Optional 500-sheet input tray; 2x500 sheet paper tray and stand		
<b>Input</b>	500-sheet input tray, 50-sheet multi-purpose tray; Optional 500-sheet input tray; 2x500 sheet paper tray and stand		
<b>Output</b>	300-sheet face-down output bin		
<b>Media type</b>	Plain paper (light, intermediate, mid-weight, heavy, extra heavy, prepunched, recycled, bond, other inkjet plain paper), photo (glossy, gloss, soft gloss, satin, matte, other inkjet photo), envelopes, labels, cards, specialty papers (glossy brochure, matte brochure, tri-fold brochure, Hagaki, greeting cards, other inkjet specialty paper)		
<b>Media weight<sup>4</sup></b>	<b>Tray 1:</b> 16 to 32 lb (plain paper); 33 to 80 lb (photo); 20 to 24 lb (envelope); 32 to 48 lb (brochure); 90 to 110 lb (card); <b>Tray 2:</b> 16 to 32 lb (plain paper); 33 to 66 lb (photo); 20 to 24 lb (envelope); 32 to 48 lb (brochure); 90 to 110 lb (card); <b>Tray 3, 4 (552dw):</b> 16 to 32 lb (plain paper); 33 to 66 lb (photo); 32 to 48 lb (brochure); 90 to 110 lb (card)		
<b>Media sizes custom</b>	<b>Tray 1:</b> 3 x 5 in to 8.5 x 14 in; <b>Tray 2:</b> 4.0 x 8.3 in to 8.5 x 11.7 in; <b>Optional Tray 3:</b> 4.0 x 8.3 in to 8.5 x 14 in		
<b>Dimensions (W x D x H)</b>	20.9 x 16 x 14.9 in; <b>Max:</b> 31.6 x 27.3 x 14.9 in		20.9 x 16.0 x 16.5 in; <b>Max:</b> 31.6 x 27.3 x 17.9 in
<b>Weight<sup>1</sup></b>	36.10 lb		37.04 lb
<b>What's in the box</b>	HP PageWide Pro Printer; HP 972A Setup Black PageWide Cartridge (~3000 pages); HP 972A Setup Cyan PageWide Cartridge; HP 972A Setup Magenta PageWide Cartridge; HP 972A Setup Yellow PageWide Cartridge (CMY composite ~1500 pages); power cord; installation guide; CD-ROMs (for software, Windows and Mac printer drivers, and User's Guide).		HP PageWide Pro 552dw Printer; HP 972A Setup Black PageWide Cartridge (~3500 pages); HP 972A Setup Cyan PageWide Cartridge; HP 972A Setup Magenta PageWide Cartridge; HP 972A Setup Yellow PageWide Cartridge (CMY composite ~2000 pages); power cord; installation guide; CD-ROMs (for software, Windows and Mac printer drivers, and User's Guide).
<b>Warranty features</b>	One-year, on-site warranty, service and support; one-year technical phone support, chat, and e-mail		
<b>Compatible operating systems</b>	Windows 10, Windows 8, Windows 7, Mac OS X v10.11 El Capitan, OS X v10.10 Yosemite, OS X v10.9 Mavericks, Linux (hplip.net)		
<b>Compatible network operating systems</b>	Windows 10, Windows 8, Windows 7, Mac OS X v10.11 El Capitan, OS X v10.10 Yosemite, OS X v10.9 Mavericks, Windows 2003 Server (Standard Edition, Enterprise Edition, 32bit & 64-bit), Windows 2003 Server R2 (Standard Edition, Enterprise Edition, 32bit & 64-bit), Windows Small Business Server 2003 (32bit & 64-bit), Windows 2008 Server (Standard Edition, Enterprise Edition, 32bit & 64-bit), Windows Small Business Server 2008 (64-bit), Windows 2008 R2, Windows 2003 Server Terminal Services with Citrix Metaframe XP with Feature Release 3, Windows Server 2003 Terminal Services with Citrix Presentation Server 4.0/4.5, Windows Server 2008 Terminal Services, Windows Server 2008 Terminal Services with Citrix XenApp, Citrix (Print): Xen Server 5.6, Xen Desktop 5.5, Citrix XenApps 6.0, Citrix XenApp 6.5, Novell Netware 6/6.5/Open Enterprise Server 6.5 (Novell iPrint support only), Linux (For more information, see hplip.net), SAP (For more information, see http://www.hp.com/go/sap/drivers), UNIX (For more information, see http://www.hp.com/go/unixmodelscripts)		
<b>Minimum system requirements</b>	<b>PC:</b> Windows® 10, 8.1, 8, 7: 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer. Windows Vista® (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8. Windows® XP SP3 or higher (32-bit only): any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8 <b>Mac:</b> Apple® OS X v10.11 El Capitan, OS X v10.10 Yosemite, OS X v10.9 Mavericks; 1 GB HD; Internet required; USB		
<b>Environmental ranges</b>	<b>Recommended operating temperature:</b> 59 to 86° F (15 to 30° C); <b>Non-operating humidity range:</b> 5 to 90% RH; <b>Operating humidity range:</b> 20 to 80% RH; <b>Storage Temperature Range:</b> -40 to 140° F (-40 to 60° C)		
<b>Energy efficiency compliance</b>	ENERGY STAR® qualified		
<b>Acoustic</b>	<b>Acoustic power emissions:</b> <sup>7</sup> 6.8 B(A) <b>Acoustic pressure emissions:</b> 56 dB(A) (Mono/color printing), inaudible (idle)	<b>Acoustic power emissions:</b> <sup>7</sup> 6.9 B(A) <b>Acoustic pressure emissions:</b> 56 dB(A) (Mono/color printing), inaudible (idle)	
<b>Power</b>	<b>Power supply type:</b> Internal (Built-in) Universal Power Supply; <b>Power supply required:</b> Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz); <b>Power consumption:</b> <sup>8</sup> 100 watts (Maximum), 70 watts average (Printing), 9.5 watts (Ready), 4.5 watts (Sleep), 0.95 watts (Auto-Off), 0.2 watts (Manual-Off); <b>Typical electricity consumption (TEC) number:</b> 0.826 kWh/Week (452dn/452dw), 0.781 kWh/Week (552dw)		
<b>Display</b>	2.0" MGD (Monochrome Graphic Display)		4.3" CGD (Color Graphic Display), IR touchscreen

<sup>1</sup> With ink installed, no media in trays <sup>2</sup> Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPS to satisfy the demands of connected individuals or groups. <sup>3</sup> HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period. <sup>4</sup> All HP media listed as compatible with the printer in the HP DesignJet Printing Supplies Compatibility Guide, regardless of weight, may be used

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