



# HP Color LaserJet Enterprise Flow MFP X58045z Printer

Powerfully compact. Extraordinarily efficient.

Transform your workflows with advanced capabilities in a compact footprint. From print speeds to color panels, get flexible configurations to meet your needs today and tomorrow. All while protecting your business against evolving cyber threats.



This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: <http://www.hp.com/learn/ds>

## More than a printer, in a compact footprint

- Experience ultra-fast scanning speeds and ultimate productivity with HP Flow technology and up to 120 ipm<sup>1</sup> duplex scan technology.
- Fast print speeds of up to 43 PPM<sup>2</sup> to help you get everything done faster.
- Easily scan and capture text to digitize documents with high-accuracy OCR software. Once scanned, make edits to the document before printing. Increase the speed of OCR scanning with an optional accelerator card.<sup>3</sup>
- Enter data quickly, accurately and effortlessly with the virtual keyboard and the 10.1-inch touch panel or 10.1-inch touch panel and optional physical keyboard<sup>4</sup> on the printer.
- Maximize your productivity and increase print performance with HP's powerful tri-core processor for copying, scanning, and printing.

## Customizable and scalable solutions

- Get the functionality you need with input options to help optimize your device to meet your business needs and your budget.
- Make a statement and modernize your office with elegant designs and customizable color panels
- Choose storage options to handle data and documents stored on the device.

## Fast and seamless digitization

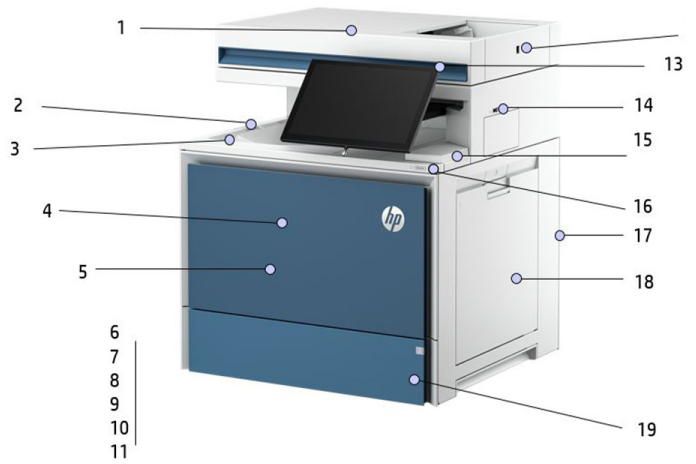
- Customize your print experience with cloud-connected HP Workpath apps. Access personalized content and integrate paper and digital workflows.<sup>5</sup>
- Give your team the tools to succeed with the HP Open Extensibility Platform containing hundreds of HP and third-party solutions, and card reader support.
- Make color management simple with HP Custom Color Manager. Match color output of any document-device combination by simply pulling color profiles from the cloud. Get high-quality color profiles without the hassle of expensive color matching systems.<sup>11</sup>

## Always on guard with HP Wolf Security

- With HP Sure Start always working behind the scenes, the operating code (BIOS) is automatically checked during start-up and repairs itself if compromised.
- The printer's outgoing network connections are inspected to stop suspicious requests and thwart malware so you can stay connected and in the clear.
- Memory Shield<sup>TM</sup> and expanded run-time intrusion detection protects memory and other applications. Common Criteria certified<sup>7</sup> to continually monitor memory activity, detect and stop zero-day attacks in real time [known/unknown] and self-heal.
- Minimize exposure with whitelisting checks, firmware that is automatically checked during start-up to determine if it's authentic code – digitally signed by HP.

## Product walkaround

1. 100-sheet dual side Flow enabled ADF supports sizes up to A4 media
2. 250-sheet output bin supports media sizes up to A4
3. Automatic 2-sided printing
4. HP High-Performance Secure Hard Disk
5. Front door access to Managed All-in-One toner cartridges
6. Slot for cable-type security lock
7. Super Speed USB 3.0 Host Port
8. Hi-Speed USB 2.0 Host Port
9. Gigabit Ethernet Port
10. Super Speed 3.0 device port
11. Optional OCR Accelerator Card
12. Long originals media sensor
13. 25.6 cm color touchscreen display
14. Easy-access USB port
15. Hardware Integration Pocket
16. Power button
17. Right door access to the print path
18. 100-sheet multipurpose tray 1 supports media sizes up to A4
19. 550-sheet tray 2 supports media sizes up to A4



## Series at a glance



Model	HP Color LaserJet Enterprise Flow MFP X58045z Printer
Product number	7H5W6A
Functions	Print, copy, and scan (fax and wireless optional) (all models)
Print speed	43 ppm
Control panel	25.6 color touchscreen display
Scan speed	60/120 ipm (simplex/duplex)
RMPV	Up to 15,000 pages per month
Input capacity	650/2,300 (std/max)
Output capacity (standard)	250-sheets
Processor	Tri-core 1.2 GHz
Flow solutions	Yes
Workpath enabled	Yes
Extensibility	HP FutureSmart 5, OXPd

## Accessories, Supplies and Support

Supplies	527G0A HP LaserJet 110V Fuser Assembly	
	527G1A HP LaserJet 220V Fuser Assembly	
	527G6A HP LaserJet 110V Fuser Assembly	
	527G7A HP LaserJet 220V Fuser Assembly	
	527G8A HP LaserJet Image Transfer Belt Kit	
	527G9A HP LaserJet Image Transfer Belt Kit	
	527H2A HP LaserJet Managed Transfer Roller Kit	
	527H3A HP LaserJet Flow MP Roller Kit	
	W9240MC HP W9240MC Black Managed Original LaserJet Toner Cartridge ~21,000 pages	
	W9241MC HP W9241MC Cyan Managed Original LaserJet Toner Cartridge	
	W9242MC HP W9242MC Yellow Managed Original LaserJet Toner Cartridge	
	W9243MC HP W9243MC Magenta Managed Original LaserJet Toner Cartridge	
	Accessories	1MQ00A HP MFP Analog Fax 702 Accessory
		1MQ01A HP MFP Analog Fax 703 Accessory
1MQ02A HP LaserJet Workflow Keyboard		
1MQ05A HP LaserJet Workflow Accelerator Card		
2NR12A HP Removable Hard Drive Enclosure		
2TD64A HP Accessibility Kit		
35H11A HP HID Mobile Access Mifare DES Fire Keystroking Reader		
3JN69A HP Jetdirect 3100w BLE/NFC/Wireless Accessory		
478C2A HP Printing Voice Assistant		
4QL32A HP Legic Secure USB Reader		
4XN67A Internal USB Expansion Kit		
616H2A HP LaserJet Workflow UK Keyboard		
630B7A HP CLJ X579 Constellation Yellow Color Panel Kit		
630B8A HP CLJ X579 Cosmic Green Color Panel Kit		
630B9A HP CLJ X579 Aurora Purple Color Panel Kit		
630C0A HP CLJ X579 Comet Red Color Panel Kit		
630C1A HP CLJ X579 Lunar Gray Color Panel Kit		
630C7A HP 550 Sheet Paper Tray Constellation Yellow Panel Kit		
630C8A HP 550 Sheet Paper Tray Cosmic Green Panel Kit		
630C9A HP 550 Sheet Paper Tray Aurora Purple Panel Kit		
630D0A HP 550 Sheet Paper Tray Comet Red Panel Kit		
630D1A HP 550 Sheet Paper Tray Lunar Gray Panel Kit		
630D7A HP Storage Stand Constellation Yellow Panel Kit		
630D8A HP Storage Stand Cosmic Green Panel Kit		
630D9A HP Storage Stand Aurora Purple Panel Kit		
630F0A HP Storage Stand Comet Red Panel Kit		
630F1A HP Storage Stand Lunar Gray Panel Kit		
65A28A HP Color LaserJet Constellation Yellow 550 sheet Paper Tray		
65A29A HP Color LaserJet Cosmic Green 550 sheet Paper Tray		
65A30A HP Color LaserJet Aurora Purple 550 sheet Paper Tray		
65A31A HP Color LaserJet Comet Red 550 sheet Paper Tray		
65A32A HP Color LaserJet Lunar Gray 550 sheet Paper Tray		
65A38A HP Color LaserJet Constellation Yellow Storage Stand		
65A39A HP Color LaserJet Cosmic Green Storage Stand		
65A40A HP Color LaserJet Aurora Purple Storage Stand		
65A41A HP Color LaserJet Comet Red Storage Stand		
65A42A HP Color LaserJet Lunar Gray Storage Stand		
6QN54A HP Color LaserJet Stand		
6QN55A HP Color LaserJet Storage Stand		
6QN57A HP Color LaserJet 550-sheet Media Tray		
8FP31A HP Jetdirect LAN Accessory		
9EQ11A HP 500GB CCC, FIPS Hard Disk Drive		
A7W13A HP LaserJet Keyboard Overlay Kit-Danish/French-Switzerland/German-Switzerland		
A7W14A HP LaserJet Swedish Overlay Keyboard		
B5L31A HP Foreign Interface Harness		
Q7432A HP Staple Cartridge Pack		
X3D03A HP USB Universal Card Reader		
Y7C05A HP HIP2 Keystroke Reader		
Service and Support		U45QVE HP 3 year Next Business Day Service with Defective Media Retention for Color LaserJet Ent MFP X580xx
		U45QWE HP 4 year Next Business Day Service with Media Retention for Color LaserJet Ent MFP X580xx
		U45QXE HP 5 year Next Business Day Service with Media Retention for Color LaserJet Ent MFP X580xx
		U45R5E HP 3 year Parts Only Service Defective Media Retention for Color LaserJetEntMFPX580xx
		U45R6E HP 4 year Parts Only Service with Defective Media Retention for Color LaserJetEntMFPX580xx
		U45R7E HP 5 year Parts Only Service with Defective Media Retention for Color LaserJetEntMFPX580xx
		U45R8PE HP 1 year Post Warranty Next Business Day Service with Defective Media Retention for Color LaserJet Ent MFP X580xx
U45RGPE HP 1 year Post Warranty Parts Only Service with Defective Media Retention for Color LaserJetEntMFPX580xx		

## Technical specifications

<b>Model</b>	HP Color LaserJet Enterprise Flow MFP X58045z Printer
<b>Product number</b>	7H5W6A
<b>Functions</b>	Print, copy, scan, fax (optional)
<b>Control panel</b>	10.1 in (25.6 cm) touchscreen with color graphics
<b>Print</b>	
Print technology	Laser
Print speed <sup>6</sup>	<b>Black (A4, normal):</b> Up to 43 ppm <b>Colour (A4, normal):</b> Up to 43 ppm ; <b>Black (A4, duplex):</b> Up to 43 ipm <b>Colour (A4, duplex):</b> Up to 43 ipm
First page out <sup>7</sup>	<b>Black (A4, ready):</b> As fast as 6.8 sec <b>Colour (A4, ready):</b> As fast as 7.4 sec ; <b>Black (A4, sleep):</b> As fast as 11.0 sec <b>Colour (A4, sleep):</b> As fast as 11.0 sec
Print resolution	<b>Black (best):</b> Up to 1200 x 1200 dpi <b>Colour (best):</b> Up to 1200 x 1200 dpi ; <b>Technology:</b> HP ImageREt 3600, Fine Lines (1200x1200 dpi), Quickview (300x300 dpi)
Monthly duty cycle	Up to 120,000 pages A4; <b>Recommended monthly page volume:</b> 2000 to 15,000
Printer smart software features	Apple AirPrint™, Mopria-certified, HP ePrint, ROAM optional for easy printing, Open Extensibility Platform, FutureSmart Firmware, Instant-on Technology, HP Auto-On/Auto-Off technology, Easy Access USB, Two-Sided Printing, Hardware Integration Pocket, Intuitive 10.1 in (25.6 cm) touchscreen control panel, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, print preview
Standard print languages	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation, native PDF printing (v 1.7)
Fonts and typefaces	105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP postscript Level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono World Type); 2 Internal Windows Vista 8 Fonts (Calibri, Cambria); Additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation available at <a href="http://www.hp.com/go/laserjetfonts">http://www.hp.com/go/laserjetfonts</a>
Print area	<b>Print margins</b> Top: 4.3 mm, Bottom: 4.3 mm, Left: 4.3 mm, Right: 4.3 mm; Maximum print area : 207.4 x 1191.4 mm
Duplex printing	Automatic
<b>Copy</b>	
Copy speed	<b>Black (A4):</b> Up to 43 cpm; <b>Colour (A4):</b> Up to 43 cpm
Copier specifications	Book Copy; Booklet; Build Job; Collation; Color; Content orientation; Copy preview; Darkness control; Default Original Size; Edge Erase; Edge-to-Edge; ID Copy; Image adjustment; Job build; N or Z-ordering; Number of Copies; N-up; Original Size; Original Type; Paper Size; Paper Source; Paper type; Photo; Save Current Settings; Text; Text/Photo; Tray Selection; Two-sided copy; Watermark; reduce/enlarge; Scan mode (book, 2-sided ID); Stamps; Image overlay; Image shift; Image preview; Paper selection; Scan to job storage; Automatically straighten; Automatically detect color/monochrome; <b>Maximum number of copies:</b> Up to 9999 copies; <b>Reduce/Enlarge:</b> 25 to 400%
<b>Scan</b>	
Scan file format <sup>11</sup>	PDF; Hi-Compression PDF; PDF/A; JPEG; TIFF; MTIFF; XPS
Scanner specifications	<b>Scanner type</b> Flatbed ; ADF; <b>Scan technology:</b> Contact Image Sensor (CIS); <b>Scan input modes:</b> Front panel applications: Copy; Fax; Scan to Email; Scan to Network Folder; Scan to USB; Scan to Job Storage; Open Extensibility Platform (OXP), HP Work Path; <b>Twain version:</b> Version 2.4; <b>Duplex ADF scanning:</b> Yes; <b>Optical scan resolution:</b> Up to 600 dpi
Scanner advanced features	Optimize text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect color; Edge Erase; Job notification; Blank page suppression; HP Quick Sets
Scannable area	<b>Maximum media size (flatbed):</b> 216 x 356 mm ; <b>Minimum media size (ADF):</b> 68 x 127 mm <b>Maximum media size (ADF):</b> 216 x 864 mm
Bit depth/ Grey scale levels	24-bit / 256
Digital sending	Standard: Scan to Email; scan to network folder; scan to USB drive; scan to SharePoint; scan to FTP; scan to sFTP; scan to LAN fax; scan to Internet Fax; local address book; SMTP over SSL; automatically detect color/monochrome; high compression PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimize text/picture (text, mixed, printed picture, photograph); content orientation; scan mode (book, 2-sided ID); erase edges; auto page crop; job build; image preview; blank page suppression; automatically straighten; embedded OCR; optimize text/picture (auto); scan to multi-destination; automatic tone; auto orientation; multi-feed detection; reverse and retry; document editing; auto paper color removal; job separation (blank page, barcode); watermark; stamps
<b>Fax</b>	
Fax <sup>4</sup>	Optional, 33.6 kbps (with optional analog fax accessory)
Fax specifications	<b>Fax memory:</b> Up to 1000 pages; <b>Fax resolution:</b> Standard: 200 x 100 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 300 x 300 dpi; <b>Quick dialing:</b> Up to 1000 numbers
Fax smart software features	Stored faxes; Fax archiving; Fax forwarding; Scale to fit; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule
<b>Processor speed</b>	1.2 GHz
<b>Connectivity</b>	
Standard	1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host); 1 Hi-Speed USB 2.0 (host); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2)
Optional	HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A; HP Jetdirect LAN Accessory 8FP31A
Mobile printing capability	HP ePrint; Apple AirPrint™; Mopria™ Certified; NFC Touch-to-print (optional); Roam optional
Supported network protocols	Via built-in networking solution: TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple AirPrint™, HP ePrint, FTP Print, Google Cloud Print; Discovery: SLP, Bonjour, Web Services Discovery; IP Config: IPv4 (BootP, DHCP, AutoIP, Manual, TFTP Config, ARP-Ping), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPS, Telnet, TFTP Config, FTP FW Download, Syslog; Security: SNMPv3, SSL Cert Management, Firewall, ACL, 802.1x
Network capabilities	Via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard); 802.11a/b/g/n wireless networking (optional)
<b>Hard disk</b>	Standard, minimum 500 GB HDD; Optional, 256 GB SSD
<b>Memory</b>	<b>Standard:</b> 6 GB ; <b>Maximum:</b> 6 GB
<b>Media handling</b>	
Number of paper trays	<b>Standard:</b> 2 ; <b>Maximum:</b> 5
Media types	Paper (plain, light, intermediate, light bond, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy), color transparency, labels, letterhead, envelope, preprinted, prepunched, colored, rough, opaque film, user-defined
Media size	<b>Custom (metric):</b> Tray 1: 64 x 127 to 216 x 1200 mm; Tray 2, optional 1x550-sheet feeders: 101 x 148 to 216 x 356 mm <b>Supported (metric):</b> Tray 1: A4, A5, A6, RA4, B5, B6, 16k, 10 x 15 cm, Oficio, postcards (JIS single and double) envelopes (DL, C5, B5, C6); Tray 2, optional 1x550-sheet feeders: A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio, 16k, Dpostcard (JIS) <b>ADF:</b> Letter; legal; oficio; executive; statement; 16K; A4; RA4; A5; A6; B5; B6 (JIS); Postcard (JIS); DPostcard (JIS); 4 x 6 in; 5 x 7 in; 5 x 8 in
Media handling	<b>Tray 1:</b> Paper: 100 sheets of 75 g/m <sup>2</sup> media; Envelopes: 10 <b>Maximum:</b> Up to 2300 sheets <b>ADF:</b> Standard, 100 sheets
Media weight	Tray 1: 60 to 220 g/m <sup>2</sup> (plain), 120 to 220 g/m <sup>2</sup> (glossy); Tray 2: 60 to 220 g/m <sup>2</sup> (plain), 120 to 220 g/m <sup>2</sup> (glossy); optional 550-sheet input trays: 60 to 220 g/m <sup>2</sup> (plain), 120 to 220 g/m <sup>2</sup> (glossy)
Input capacity	<b>Standard input:</b> 550-sheet input tray, 100-sheet multi-purpose tray <b>Standard output:</b> 250-sheet output bin <b>Optional input:</b> optional 550-sheet input trays (up to 3)
Output capacity	<b>Standard:</b> Up to 250 sheets <b>Maximum:</b> Up to 250 sheets

## Technical specifications

<b>Model</b>	HP Color LaserJet Enterprise Flow MFP X58045z Printer
<b>Product number</b>	7H5W6A
<b>Compatible operating systems</b>	Windows 11; Windows 10; Windows 8.1; Windows Client OS; iOS; Mobile OS; macOS 12 Monterey; macOS 11 Big Sur; macOS 10.15 Catalina; Linux; Citrix
<b>Compatible network operating systems</b>	Windows Server; Linux; Citrix; UNIX; Novell; SAP
<b>Minimum system requirements</b>	<b>Windows:</b> 2 GB available hard disk space; Internet connection; or USB port; Internet browser. For additional OS hardware requirements see microsoft.com; <b>Mac:</b> 2 GB available hard drive space; Internet connection; or USB port; Internet browser. For additional OS hardware requirements see apple.com;
<b>Software included</b>	No software solutions are included in the Box only on <a href="http://hp.com">http://hp.com</a> <a href="http://123.hp.com">http://123.hp.com</a> , <a href="http://support.hp.com">http://support.hp.com</a> ;
<b>Security management</b>	Identity management: Kerberos authentication; LDAP authentication; 1000 user PIN codes; optional HP and 3rd party advanced authentication solutions (e.g.; badge readers); Network: IPsec/firewall with Certificate; Pre-Shared Key; and Kerberos authentication; Supports WJA-10 IPsec configuration Plug-in; 802.1X authentication (EAP-PEAP; EAP-TLS); SNMPv3; HTTPS; Certificates; Access Control List; Data: Storage Encryption; Encrypted PDF & Email (uses FIPS 140 validated cryptographic libraries from Microsoft); Secure Erase; SSL/TLS (HTTPS); Encrypted Credentials; Device: Security lock slot; USB port disablement; hardware integration pocket for security solutions; Hardware-based Memory Shield™ with Control Flow Integrity (CFI) in-device monitoring for attacks; SureStart Secure Boot - BIOS Integrity Checking with self-healing capability; Whitelisting - loads only known good code (DLLs, EXEs, ...); Security management: Compatible with Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs
<b>Printer management</b>	HP Web JetAdmin; Embedded Web Server; HP Security Manager; HP Insights; HP Advance; HP Command Center; HP Smart Device Services (SDS); HP Smart Device Services (SDS)
<b>Dimensions and weight</b>	
<b>Printer dimensions (W x D x H)</b>	<b>Minimum</b> 547 x 460 x 583 mm; <b>Maximum:</b> 885 x 810 x 828 mm
<b>Package dimensions (W x D x H)</b>	758 x 598 x 652 mm
<b>Printer weight</b>	39.1 kg
<b>Package weight</b>	42.9 kg
<b>Operating environment</b>	<b>Temperature:</b> 10 to 32.5°C <b>Humidity:</b> 30 to 70% RH
<b>Storage conditions</b>	<b>Temperature:</b> -20 to 40°C
<b>Acoustics</b>	<b>Acoustic power emissions:</b> 6.4 Bel(A) <b>Acoustic pressure emissions:</b> 52 dB(A)
<b>Power</b>	<b>Requirements:</b> Input voltage: 100V to 127V nominal (+/-10%), 50 - 60Hz nominal (+/- 3Hz), 12 A; Input voltage: 220 V to 240V nominal, (+/-10%) 50 - 60Hz nominal (+/- 3Hz), 6 A; <b>Consumption:</b> 655 watts (Printing/Copying), 50.1 watts (Ready), 0.9 watts (Sleep), 0.09 watts (Manual Off); <b>Typical Electricity Consumption (TEC):</b> 0.552 kWh/week (Energy Star 3.0); 0.551 kWh/week (Blue Angel); <b>Power supply type:</b> Built in 110V or 220 V Power Supply (not dual voltage, power supply varies by part number with option code identifier)
<b>Energy savings feature technology</b>	HP Auto-On/Auto-Off Technology; Instant-on Technology; Instant-on Copy; Power save
<b>Certifications</b>	TUV and GS Mark (Germany); Eastern European country approvals; CE Marking; Other Safety & EMC Certification approvals as required by individual countries. <b>Electromagnetic emission standard:</b> CISPR 22:2008 (International) Class A, CISPR 32:2015 (International) Class A / EN 55032:2015 Class A + A11:2020, CISPR 35:2016 (International) / EN 55035:2017 + A11:2020, EN IEC 61000-3-2:2019, EN 61000-3-3:2013+A1:2019 + A2:2021, FCC 47 CFR Part 15 Class A, ICES-003, Issue 7 Class A. Other EMC approvals as required by individual countries. IT ECO Declaration; Blue Angel <b>Blue Angel compliant</b> <sup>8</sup> Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies
<b>Sustainable impact specifications</b>	15% post-consumer recycled plastic; ENERGY STAR <sup>®</sup> certified; EPEAT <sup>®</sup> registered
<b>Country of origin</b>	Made in Czech Republic
<b>What's in the box</b> <sup>1</sup>	7H5W6A HP Color LaserJet Multifunction Printer; HP Black Original LaserJet Toner Cartridge (~3,500 yield), HP Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (~3,000 yield each) (toner cartridges installed); Documentation (Hardware Install Guide); Power cord; Tray Lock Kit (Paper-size cassette locks, paper tray interface screws, P-cartridge door access control screws)

## Footnotes

<sup>1</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software. Measured using standards found at: [http://standards.iso.org/ittf/PubliclyAvailableStandards/SC28\\_Test\\_Pages/](http://standards.iso.org/ittf/PubliclyAvailableStandards/SC28_Test_Pages/) <sup>2</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>3</sup> Availability of Workflow accelerator card is expected Spring/Summer of 2023. <sup>4</sup> Optional physical keyboard is only available on MFP Devices with 10.1 control panel. See product datasheets for supported SKU bundles. <sup>5</sup> Not all MFPs may be compatible with Workpath apps. To enable HP Workpath, some devices may require optional accessory or firmware to be upgraded. Not all apps may be available in all locations. Subscription may be required. Personalized content and integration functions are applicable to supported HP Workpath apps only. <sup>6</sup> HP's most advanced embedded security features are available on HP Managed and Enterprise devices with HP FutureSmart firmware 4.5 or above. Claim based on HP review of 2022 published features of competitive in-class printers. Only HP offers a combination of security features to automatically detect, stop, and recover from attacks with a self-healing reboot, in alignment with NIST SP 800-193 guidelines for device cyber resiliency. For a list of compatible products, visit: <http://www.hp.com/go/PrintersThatProtect>. For more information, visit: <http://www.hp.com/go/printersecurityclaims> <sup>7</sup> Third-party certification based on Common Criteria Information Technology Security Evaluation ISO/IEC 15408 Standard requirements as of May 2019-2024. Certification applicable to HP Managed and Enterprise devices running HP FutureSmart Firmware version 4.5.1 and later. For more information: <https://www.commoncriteriaportal.org/files/epfiles/Certification%20Report%20-%20HP%20Intrusion%20Detection.pdf> <sup>8</sup> Some features enabled by future HP FutureSmart firmware upgrades may not be available on older devices, if for example, physical product characteristics limit the functionality of the new feature. <sup>9</sup> HP Web JetAdmin is available for download at no additional charge at [hp.com/go/wja](http://hp.com/go/wja) <sup>11</sup> Contact your HP or your Partner Representative to learn more about Custom Color Manager.

## Technical specifications disclaimers

<sup>1</sup> For yield information on the cartridge(s) included with your printer, see <https://www.hp.com/go/toneryield>. Yield values measured in accordance with ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. <sup>2</sup> Declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <https://www.hp.com/go/toneryield> <sup>3</sup> EPEAT<sup>®</sup> registered where applicable. EPEAT registration varies by country. See <https://www.epeat.net> for registration status by country. <sup>4</sup> Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory. <sup>5</sup> Measured using ISO/IEC 24734 Feature Performance Test, excludes first set of test documents. For more information see <https://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>6</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <https://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>7</sup> Measured using ISO/IEC 17629. For more information see <https://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>8</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Energy Star value typically based on measurement of 115V device and 230V for Blue Angel. <sup>9</sup> Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh). <sup>10</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software. <sup>11</sup> For Scan software, we support: Windows (JPG, RAW(BMP)), PDF, TIFF, PNG, RTF) and Mac (JPG, JG-2000, TIFF, PNG, PDF, Searchable PDF, RTF, TXT)

