Datasheet

HP Color LaserJet Managed Flow MFP E786z Printer series

Powerful. Flexible. Secure.

Change is the only constant in business. Transform your business with a printer that can be upgraded over time to expand capabilities. With HP's most secure printers[1] you'll stay secure and simplify fleet management for busy IT pros.



Unleash peak productivity

- Tackle anything with our powerful CPU. Maximize your productivity and increase your overall print performance by copying, scanning and printing documents of all sizes at virtually full speed.
- Easily enable workflows across your fleet with a consistent user experience and intuitive, tablet-like icons on the 10.1-inch color touchscreen display.
- Maintain productivity and stay up to date on the latest features across your fleet with upgradeable HP FutureSmart firmware.[2]
- Centralize control of your printing environment with HP Web Jetadmin—and help build business efficiency.[3]

Customizable solutions built to last

- Your business needs met. Make the most of performance with unprecedented, flexible configurations built to support the demands of your business.
- Unleash your creativity and match any office décor with modern designs and the option of five customizable color panels.
- Maintain productivity and stay up to date on the latest features across your fleet with upgradeable HP FutureSmart firmware.[2]
- Make your day-to-day easier by customizing your print experience with cloud-connected HP Workpath apps that let you access personalized content, integrate paper and digital workflows.[4]

Always on guard with HP Wolf Security. [5]

- 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.
- Run-time intrusion detection is always on guard. Common Criteria certified [6] to continually monitor memory activity to keep you safe, detecting and stopping attacks in real time.
- HP Memory Shield™ with active system monitoring is an embedded security feature that helps prevent a wide variety of malware attacks from redirecting the execution flow of a program.

Better printing, for a better planet

- The fiber-based packaging, including outer box and interior fiber-based cushions, for this product is 100% sustainably sourced, meaning it's made from recycled or certified content. [7]
- Our devices are made with the planet in mind with energy-efficient printing and toner cartridges made from more than 57% recycled plastic.[8] Printing that puts the planet first.
- Our improved energy efficient designs meet the rigorous criteria of EPEAT Gold, Energy Star, and Blue Angel.[9]
- With formulas that meet current indoor air quality standards, our ultra-low melt toner is efficient for both printing and the planet.[10]

Product walkaround

1. Hardware Integration Pocket (for connecting accessories and third-party devices)[1]
2. Flatbed scanner handles sheets up to A3 (297 x 432 mm)
3. 500-sheet output bin
4. Automatic two-sided printing
5. Easy-access USB port[2]
6. Front door access to toner cartridges
7. HP High-Performance Secure Hard Disk
8. Slot for cable-type security lock
9. SuperSpeed USB 3.0 Host Port
10. Hi-Speed USB 2.0 Host Port
11. Gigabit Ethernet Port
12. SuperSpeed USB 3.0 device port
13. 520-sheet tray 3 supports media sizes up to A3
14. 200-sheet dual side ADF supports media sizes up to A3 (Flow models only)
15. 25.6 cm (10.1 inch) color touchscreen display
16. Power button
17. Full size keyboard
18. Right door access to the print path
19. 100-sheet multipurpose tray 1 supports media sizes up to A3
20. 520-sheet tray 2 supports media sizes up to A4
21. Optional 2 x 520-sheet dual tray/stand supports media sizes up to A3



Series at a glance

Model	HP Color LaserJet Managed Flow MFP E786z		
Product number	5QJ94A	5QJ94A (Base) + 8EP56AAE (Speed license)	5QJ94A (Base) + 8EP57AAE (Speed license)
Print speed (A4 and letter, black and color)	Up to 25 ppm	Up to 30 ppm	Up to 35 ppm
Scan speed(A4 and letter, black and color)	120 ppm/240 ipm, simplex/duplex		
Functions	Print, copy, and scan (fax and wireless optional) (all models)		
ADF capacity	200 sheets		
Input capacity	Standard: 1,140 sheets	Maximum: 3,140 sheets (all models)	
Advanced workflow features	HP EveryPage technology,[5] full size keyboard, embedded OCR, auto orientation, auto-tone, auto page-crop, document editing, auto paper color removal, job separation		

[1] Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase.
[2] An administrator must enable the easy-access USB port before use.
[3] Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
[4] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
[5] HP EveryPage Technology is powered by ultrasonic multi-feed detection.

Services and Solutions

Service and Support	**U03GVE** HP 1 year Next Business Day with Defective Media Retention Service for Color LaserJet Managed MFP E786xx **U03GWE** HP 3 year Next Business Day with Defective Media Retention Service for Color LaserJet Managed MFP E786xx **U03GXE** HP 4 year Next Business Day with Defective Media Retention Service for Color LaserJet Managed MFP E786xx **U03GYE** HP 5 year Next Business Day with Defective Media Retention Service for Color LaserJet Managed MFP E786xx **U03H6PE** HP 1 year Post Warranty Next Business Day with Defective Media Retention Service for Color LaserJet Managed MFP E786xx **U03H7PE** HP 2 year Post Warranty Next Business Day with Defective Media Retention Service for Color LaserJet Managed MFP E786xx **U03H2E** HP 1 year Parts Exchange Service for Color LaserJet Managed MFP E786xx (Managed Component Only) **U03H3E** HP 3 year Parts Exchange Service for Color LaserJet Managed MFP E786xx (Managed Component Only) **U03H4E** HP 4 year Parts Exchange Service for Color LaserJet Managed MFP E786xx (Managed Component Only) **U03H5E** HP 5 year Parts Exchange Service for Color LaserJet Managed MFP E786xx (Managed Component Only) **U03HBPE** HP 1 year Post Warranty Parts Exchange Service for Color LaserJet Managed MFP E786xx (Managed Component Only) **U03HCPE** HP 2 year Post Warranty Parts Exchange Service for Color LaserJet Managed MFP E786xx (Managed Component Only)
Solutions	**Security**: HP Access Control; HP Security Manager; HP Advance; HP Secure Print and Insights **Mobile and universal print**: HP Universal Print Driver (UPD); HP Print for Chrome Extension; HP Smart UPD; HP For Universal Print Workpath App **Management**: HP Web JetAdmin; HP Smart Device Services (SDS); Embedded Web Server; HP Custom Color Manager; HP Command Center; HP Smart Printer Administrator's Resource Kit
Accessories (Optional)	**155P7A** HP LaserJet InnerFinisher 2/3 Hole Punch **155P8A** HP LaserJet InnerFinisher 2/4 Hole Punch **155P9A** HP LaserJet Inner Finisher Swedish Hole Punch **190A0A** HP Color LaserJet Workgroup Lunar Gray Color Panel **190A6A** HP LaserJet Workgroup 2x520 sheet Paper Tray/Stand Lunar Gray Color Panel **190A7A** HP LaserJet Workgroup High Capacity Paper Tray/Stand Lunar Gray Color Panel **190A9A** HP LaserJet Workgroup Stand Lunar Gray Color Panel **190B0A** HP Color LaserJet Workgroup Comet Red Color Panel **190B6A** HP LaserJet Workgroup 2x520 sheet Paper Tray/Stand Comet Red Color Panel **190B7A** HP LaserJet Workgroup High Capacity Paper Tray/Stand Comet Red Color Panel **190B9A** HP LaserJet Workgroup Stand Comet Red Color Panel **190C0A** HP Color LaserJet Workgroup Cosmic Green Color Panel **190C6A** HP LaserJet Workgroup 2x520 sheet Paper Tray/Stand Cosmic Green Color Panel **190C7A** HP LaserJet Workgroup High Capacity Paper Tray/Stand Cosmic Green Color Panel **190C9A** HP LaserJet Workgroup Stand Cosmic Green Color Panel **190D0A** HP Color LaserJet Workgroup Constellation Yellow Color Panel **190D6A** HP LaserJet Workgroup 2x520 sheet Paper Tray/Stand Constellation Yellow Color Panel **190D7A** HP LaserJet Workgroup High Capacity Paper Tray/Stand Constellation Yellow Color Panel **190D9A** HP LaserJet Workgroup Stand Constellation Yellow Color Panel **190F0A** HP Color LaserJet Workgroup Aurora Purple Color Panel **190F6A** HP LaserJet Workgroup 2x520 sheet Paper Tray/Stand Aurora Purple Color Panel **190F7A** HP LaserJet Workgroup High Capacity Paper Tray/Stand Aurora Purple Color Panel **190F9A** HP LaserJet Workgroup Stand Aurora Purple Color Panel **2MU47A** HP Accessibility Assistant **2NR12A** HP Removable Hard Drive Enclosure **2TD64A** HP Accessibility Kit **3JN69A** HP Jetdirect 3100w BLE/NFC/Wireless Accessory **478C2A** HP Printing Voice Assistant **4QL32A** HP Legic Secure USB Reader **5QK14A** HP MFP 810 Analog Dual Fax **6GW49A** HP LaserJet Inner Finisher **6GW51A** HP LaserJet Booklet Finisher **6GW52A** HP LaserJet Workgroup Job Separator **6GW55A** HP LaserJet Stapler/Stacker Finisher **6HN30A** HP LaserJet Workflow Accelerator Card **766R7A** HP LaserJet 512 GB SED-TAA Full Kit SSD **7ZA07A** HP MFP 811 Analog Dual Fax **7ZA09A** HP MFP 801 Analog Single Fax **8FP31A** HP Jetdirect LAN Accessory **A19FSA** HP LaserJet 2x520 sheet Workgroup Paper Tray/Stand **A19FVA** HP LaserJet 2000 sheet Workgroup High Capacity Paper Tray/Stand **A19FXA** HP LaserJet Workgroup Stand **A74PXAAE** HP FADGI **B5L31A** HP Foreign Interface Harness **Y1G11A** HP LaserJet Hole Punch 2/4 Accessory **Y1G12A** HP LaserJet Hole Punch Swedish Accessory **Y1G13A** HP LaserJet Inner/Booklet Staples **Y1G14A** HP LaserJet Stapler/Stacker Finisher Staples **Y1G22A** HP LaserJet Paper Tray Heaters Accessory **Y1G23A** HP LaserJet Second Exit Accessory **Y7C07A** HP SIM for HID iClass for HIP2 Reader
Speed Licenses	**8EP56AAE** HP Color LaserJet Managed MFP E786 25 to 30ppm License **8EP57AAE** HP Color LaserJet Managed MFP E786 25 to 35ppm License **8LB46AAE** HP Color LaserJet Managed MFP E786 30 to 35ppm License

* HP LaserJet Workflow Accelerator Card, 6HN30A will be available in January 2023.

Technical specifications

Model	**HP Color LaserJet Managed Flow MFP E786z**			
Product number	5QJ94A			
Functions	Print, copy, scan, fax (optional)			
Print speed[1,2]	**A4 Black**	Up to 25 ppm	Up to 30 ppm (with 8EP56AAE)	Up to 35 ppm (with 8EP57AAE)
	A4 Color	Up to 25 ppm	Up to 30 ppm (with 8EP56AAE)	Up to 35 ppm (with 8EP57AAE)
	A4 Black Duplex	Up to 18 ipm	Up to 22 ipm (with 8EP56AAE)	Up to 24 ipm (with 8EP57AAE)
	A4 Color Duplex	Up to 18 ipm	Up to 22 ipm (with 8EP56AAE)	Up to 24 ipm (with 8EP57AAE)
	A3 Black	Up to 13 ppm	Up to 16 ppm (with 8EP56AAE)	Up to 18 ppm (with 8EP57AAE)
	First page out A4 Black	As fast as 8.7 sec	As fast as 7.5 sec (with 8EP56AAE)	As fast as 7.5 sec (with 8EP57AAE)
	First page out A4 Color	As fast as 10.2 sec	As fast as 9.0 sec (with 8EP56AAE)	As fast as 8.6 sec (with 8EP57AAE)
Print resolution	**Black (best):** Up to 1200 x 1200 dpi reduced speed; **Black (normal):** Up to 600 x 600 dpi; **Black (fine lines):** Up to 1200 x 1200 dpi; **Color (best):** Up to 1200 x 1200 dpi reduced speed; **Color (normal):** Up to 600 x 600 dpi; **Color (fine lines):** Up to 1200 x 1200 dpi			
Print technology	Laser; **Optical:** Normal (600 x 600 4 bit), Best (1200 x 1200 1 bit)			
Print cartridges number	4 (1 each black, cyan, magenta, yellow)			
Standard print languages	HP PCL 5c, HP PCL 6, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible			
Printer smart software features	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB			
Color scanning	Yes			
Scan speed[3]	**Normal: A4:** Up to 120 ppm/240 ipm (b&w), up to 120 ppm/240 ipm (color) **Duplex: A4:**Up to 240 ipm (b&w), up to 240 ipm (color)			
Scan type / Technology	ADF; Flatbed / Platen Scanner CCD Digital-CIS			
Scan resolution	**Hardware:** UP to 600 x 600 dpi; **Optical:** Up to 600 x 600 dpi			
Scan file formats	JPEG; TIFF; MTIFF; XPS; PDF; PDF/A; High-Compression PDF; High-Compression PDF/A; Searchable PDF (OCR); Searchable PDF/A (OCR); High-Compression Searchable PDF (OCR); High-Compression Searchable PDF/A (OCR); CSV (OCR); HTML (OCR); Open Office XML (.docx, .xlsx, .pptx); RTF (OCR); TEXT (OCR); Unicode TEXT (OCR)			
Scan input modes	Front panel applications: Copy; Fax; Scan to Email; Scan to Network Folder; Scan to USB; Scan to Job Storage; Open Extensibility Platform (OXP), HP Workpath applications			
Scan Size	**ADF Maximum:** 297 x 420 mm; **ADF Minimum:** 68 x 127 mm; **Flatbed:** 297 x 432 mm;			
Scanner advanced features	Embedded OCR; optimize text/picture (auto); scan to multi-destination; automatic tone; auto orientation; multi-feed detection; document editing; auto paper color removal; job separation (blank page, barcode); watermark; stamps			
Duplex ADF scanning	Yes, single pass duplex scanning			
ADF capacity	Standard, 200 sheets			
Twain version	Version 2.4			
Bit depth / Grayscale levels	24-bit/256			
Digital sending standard features	Scan to e-mail; save-to-network folder; save-to-USB drive; send to Sharepoint; send to FTP; send to sFTP; send to LAN fax; send to Internet Fax; local address book; SMTP over SSL; auto color sense; compact PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (auto, text, mixed, printed picture, photograph); content orientation; ID scan; job build; watermark; stamps; book mode scans; erase edges; image preview; blank page suppression; scan to multi destination, embedded OCR; auto-tone, auto orientation, autopage-crop; multi-feed detection; document editing; auto paper color removal; job separation; automatically straighten			
Copy speed[7]	**A4 Black**	Up to 25 cpm	Up to 30 cpm (with 8EP56AAE)	Up to 35 cpm (with 8EP57AAE)
	A4 Color	Up to 25 cpm	Up to 30 cpm (with 8EP56AAE)	Up to 35 cpm (with 8EP57AAE)
	A4 Black Duplex	Up to 18 cpm	Up to 22 cpm (with 8EP56AAE)	Up to 24 cpm (with 8EP57AAE)
	A4 Color Duplex	Up to 18 cpm	Up to 22 cpm (with 8EP56AAE)	Up to 24 cpm (with 8EP57AAE)
	First page out A4 Black	As fast as 6.3 sec	As fast as 5.1 sec (with 8EP56AAE)	As fast as 4.3 sec (with 8EP57AAE)
	First page out A4 Color	As fast as 8.3 sec	As fast as 6.9 sec (with 8EP56AAE)	As fast as 6.1 sec (with 8EP57AAE)
Copy resolution	**Black (text and graphics):** ; Up to 600 x 600 dpi ; **Color (text and graphics):** Up to 600 x 600 dpi			
Maximum number of copies	Up to 9999 copies			
Copier resize	25 to 400%			
Copier settings	Booklet; Collation; Content orientation; Crop; Edge Erase; ID Scan; Image adjustment; Job build; Job storage; N or Z-ordering; N-up; Scalability; Text/Photo; Two-sided copy; Watermark; Scan mode (book, 2-sided ID); Stamps; Image shift; Image preview; Paper selection; Blank page suppression; Automatically strainghten; Automatically detect color/monochrome; Auto tone; Multi-feed detection; Document editing; Auto paper color removal; Job separation			
Fax speed	**Up to:** 33.6 kbps			
Fax resolution	**Black (best):** Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); **Black (standard):** 203 x 98 dpi			
Fax Features	**Fax memory:** Up to 500 pages; **Auto fax reduction supported:** Yes **Auto-redialing:** Yes **Fax delayed sending:** No **Distinctive ring detection supported:** No **Fax forwarding supported:** Yes **Fax phone TAM interface supported:** No **Fax polling supported:** Yes (poll to receive only) **Fax telephone mode supported:** No **Junk barrier supported:** Yes **Maximum speed dialing numbers:** Up to 1000 numbers (each with 210 destinations) **PC interface supported:** Yes **Remote retrieval capability supported:** No **Telephone handset supported:** No			
Standard connectivity	1 Gigabit Ethernet 10/100/1000TX network; 1 Hardware Integration Pocket 2nd generation (HIP2); 1 Hi-Speed USB 2.0 (host); 1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host)			
Network capabilities	Standard (built-in Gigabit 10/100/1000T Ethernet); Microsoft Universal Print (MUP) support			
Wireless capability	Optional, enabled with purchase of a hardware accessory			
Mobile printing capability	Apple AirPrint™; Mopria™ Certified; Wi-Fi® Direct Printing; NFC Touch-to-print (optional); PrinterOn Print			
Memory	**Standard:**6 GB; **Maximum:**6 GB			
Processor speed	Quad Core (1.6GHz), Dual Core (1.4GHz); SSD(766R7A): Optional, HP LaserJet 512 GB SED-TAA Solid State Drive / **Storage**: Standard, embedded 500 GB hard disk drive / **Hard disk:** Standard, HP LaserJet 500 GB Hard Disk Drive; AES 256 hardware encryption; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk)			

Technical specifications

Model	HP Color LaserJet Managed Flow MFP E786z
Product number	5QJ94A
Recommended monthly page volume	Up to 20,000
Paper handling	**Input Capacities:** Up to 1140 sheets (Tray1: up to 100 sheets; Tray2: up to 520 sheets; Tray3: up to 520 sheets) Standard; Up to 10 envelopes; **Input Capacities, Max:** Up to 3140 sheets; **Output Capacities:** Up to 500 sheets Standard; Up to 100 sheets Transparencies; **Duplex Options:** Automatic; **Envelope feeder:** No; **Standard paper trays:** 3
Media types supported	Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-WtGlossy 96-110g, Heavy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XHvyGlossy 131-175g, HP Matte 200g, Card stock 176-220g, Light Paperboard 221-255g, Paperboard 256-300g, Color Transparency, Labels, Letterhead, Envelope, Preprinted, Pre punched, Colored
Media weight supported	Tray 1: 60 to 300 g/m²; Tray 2, 3: 60 to 220 g/m²
Media sizes supported	**Tray 1**: A3, A4, A4R, A5, A5R, A6, RA4, B4 (JIS), B5 (JIS), B6 (JIS), Oficio, 8K, 16k, Postcard, Postcard (JIS), Envelope B5, Envelop C5, Envelope C6, Envelope DL; **Tray 2**: A4, A4R, A5, Ra4, SRA4, B4 (JIS), B5 (JIS), Oficio, 16k; **Tray 3**: A3, A4, A4R, A5, RA4, SRA4, B4 (JIS), B5 (JIS), Oficio, 8K, 16k
Media Sizes Custom	Tray 1: 98 x 148 mm to 297 x 432 mm; Tray 2: 139.7 x 210 mm to 297 x 364 mm; Tray 3: 139.7 x 210 mm to 297 x 432 mm
What's in the box	**5QJ94A** HP Color LaserJet Managed Flow MFP E786z Printer; In box materials; Install Guide; Flyer Regulatory; Power Cords; Keyboard/Overlay; Label; Drums
Replacement cartridges[4]	HP Black Managed LaserJet Toner Cartridge (ISO Yield 14,500) W9140MC; HP Cyan Managed LaserJet Toner Cartridge (ISO Yield 12,000) W9141MC; HP Yellow Managed LaserJet Toner Cartridge (ISO Yield 12,000) W9142MC; HP Magenta Managed LaserJet Toner Cartridge (ISO Yield 12,000) W9143MC; HP Black Managed LaserJet Toner Cartridge (ISO Yield 29,000) W9150MC; HP Cyan Managed LaserJet Toner Cartridge (ISO Yield 24,000) W9151MC; HP Yellow Managed LaserJet Toner Cartridge (ISO Yield 24,000) W9152MC; HP Magenta Managed LaserJet Toner Cartridge (ISO Yield 24,000) W9153MC
Product dimensions	**W x d x h:** 640.8 x 725.5 x 908.1 mm **Maximum:** 1681 x 1196 x 1241 mm
Product weight	~84.2 kg;
Warranty features	1 Year Parts Only. Extended Warranty and support options vary by product, country and local legal requirements. Go to http://www.hp.com/support to learn about HP award winning service and support options in your region.
Energy star certified	Yes
Ecolabels	EPEAT® registered; Blue Angel; IT ECO Declaration
Control panel	10.1-in (25.65 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Speaker
Display description	25.65 cm (10.1-in) touchscreen, WXGA Color Graphic Display (CGD)
Software included	No software solutions are included in the Box only on http://hp.com http://123.hp.com
Security management	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 authentication, Supports WJA-10 IPsec configuration Plug-in, 802.1X authentication (EAP-PEAP; EAP-TLS), SNMPv3, HTTPS, Certificates; Data: Storage Encryption, Encrypted PDF & Email, SSL/TLS (HTTPS), Encrypted Credentials; Device: HP Sure Start Secure Boot (BIOS Integrity Checking with self-healing capability), Intrusion Detection (Constant in-device monitoring for attacks), Whitelisting (loads only known good code), HP Memory Shield™, Embedded Trusted Platform Module, HP Connection Inspector, Security lock slot, USB port disablement; Security management: Compatible with HP Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs
Compatible operating systems	Windows 11; Windows 10; Windows 7; Windows Client OS; Android; iOS; Mobile OS; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; Chrome OS
Compatible network operating systems	Windows Server; Linux; Citrix; UNIX; Novell
Minimum system requirements	**PC:** 2 GB available hard disk space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see microsoft.com; **Mac:** 2 GB available hard drive space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see apple.com
Power	**Power supply type:** Internal (Built-in) power supply; **Power requirements:** Input voltage: 220 to 240 VAC 50/60 Hz; **Power consumption:** 580 watts (25ppm, printing), 670 watts (30ppm, printing), 720 watts (35ppm, printing), 32.0 watts (ready), 0.8 watts (sleep), 0.2 watts (auto-off), 0.2 watts (manual-off)
Acoustics	**Acoustic power emissions:** 6.60 Bel(A), printing color simplex A4 at 25ppm; 6.70 Bel(A), printing color simplex A4 at 30ppm; 6.75 Bel(A), printing color simplex A4 at 35ppm; **Acoustic Pressure Emissions (active, printing):** 50 dB(A), printing color simplex A4 at 25ppm; 51 dB(A), printing color simplex A4 at 30ppm; 52 dB(A), printing color simplex A4 at 35ppm; **Acoustic Pressure Emissions (active scan):** 56 dB(A), ADF scan A4 at 90ipm; 58 dB(A), ADF scan A4 at 120ipm; 53 dB(A), ADF scan A4 at 60ipm
Operating environment	**Operating temperature range:** 15 to 30°C; **Recommended operating temperature:** 15 to 30°C; **Storage temperature range:** -10 to 40°C; **Operating humidity range:** 20 to 80% RH; **Recommended humidity operating range:** 20 to 80% RH

Messaging Footnotes

[1] 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 2021 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: https://www.hp.com/go/PrintersThatProtect. For more information, visit: https://www.hp.com/go/PrinterSecurityClaims .

[2] 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.

[3] HP Web Jetadmin is free and available for download at https://www.hp.com/go/webjetadmin

[4] Based on HP review of competitive manufacturer's published app platform specifications as of April 2019. Only HP Workpath offers a combination of app validation upon submission plus automated re-validation of apps. To enable HP Workpath, some devices may require optional accessory or firmware to be upgraded. Subscription may be required.

[5] HP Security is now HP Wolf Security. Security features vary by platform. For more information, visit http://www.hp.com/wolfsecurity .

[6] 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

[7] 100% outer fiber-based packaging and internal fiber-based cushions made from sustainably sourced certified and recycled fibers.

[8] 100% of Original HP Toner Cartridges contain between 1-77% post-consumer or post-industrial recycled content. Does not include toner bottles or other products not listed. See http://www.hp.com/go/TonerRecycledContent for list. Hardware based: Post-consumer recycled is based on the definition set in the EPEAT standard for imaging equipment, IEEE 1680.2, and is expressed as percent of total weight of plastic.

[9] HP voluntarily designs and tests its printing systems to prevent emissions that exceed Blue Angel and EPEAT eco-label guidelines. EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

[10] HP printer, HP paper and Original HP supply - Blue Angel DE-UZ 219 Emissions Criteria.

[11] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

Technical Specifications Footnotes

[1] 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.

[2] Measured using ISO/IEC 17629. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

[3] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

[4] Approximate average yield based on ISO/IEC 19798. Actual yield varies considerably based on content of printed pages and other factors. For details, see http://www.hp.com/go/learnaboutsupplies.

[6] For Scan software, we support: Windows (JPG, RAW(BMP), PDF, TIFF, PNG, RTF) and Mac (JPG, JPG-2000, TIFF, PNG, PDF, Searchable PDF, RTF, TXT). Open Office XML requires HP FutureSmart 5.9 or later.

[7] First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see hp.com/go/printerclaims. Exact speed varies depending on the system configuration and document.

[8] Acoustic values are subject to change. For current information see https://www.hp.com/support

[9] Scan to Onedrive, scan to Onedrive for Business, and scan to Sharepoint Online requires HP FutureSmart 5.8 or later.

[10] Requires HP FutureSmart 5.8.1.1 or later.

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