

HP LaserJet Enterprise MFP X53052dn/z Printer series



Built to simplify document workflows and support high-volume printing with fast speeds, customizable features, and built-in HP AI digitization. Seamlessly integrates with your fleet, is future-ready, and delivers the world's most secure printing.¹



HP LaserJet Enterprise MFP X53052dn Printer



HP LaserJet Enterprise Flow MFP X53052z Printer

Get the power to be more productive

- Save time with fast automatic 2-sided scanning up to 120 ipm and print speeds up to 52 ppm to power through your tasks.²
- Stay ahead with FutureSmart Firmware updates, keeping your fleet always up to date.³
- Customize workflows your way with printer and software configurations for your unique needs.
- Work without interruptions—smart services monitor devices in real time and fix issues before disrupting flow.⁴

Digitize your workflows with smart solutions

- Digitize large paperwork stacks in seconds — AI extracts and organizes key data from scans automatically.⁷
- Share scans with confidence — AI automatically redacts personal data, all processed locally.⁶
- Easily find, edit, and share scans easily — AI turns scans into editable Office files (.docx, .pptx, .xlsx).⁸
- Wherever you are in your digital transformation, find the perfect fit—on-premises or cloud, tailored to you.

Protect what matters with the most secure printer¹

- Keep your work protected—HP Wolf silently detects and repairs your printer from cyberattacks.¹
- Simplify compliance—HP Security Manager enforces policies automatically, so you're always audit-ready.⁹
- Grant access only to verified users and devices with HP's Zero Trust Print Architecture.¹⁰
- Get peace of mind with future-ready security — the world's first printers protected against quantum attacks.¹¹

Save energy and help reduce waste

- Reduce costs and environmental impact with printers and toner cartridges that use less energy.¹²
- Meet the rigorous criteria of EPEAT Gold, Energy Star, and Blue Angel with our energy efficient designs.¹³
- Help reduce plastic waste with TerraJet Toner Cartridges designed with recycled plastics.¹⁴
- Easily recycle your used HP TerraJet Toner Cartridges for free through the HP Planet Partners Program.¹⁵

Product walkaround

HP LaserJet Enterprise Flow MFP X53052z shown

- 1. 100-sheet dual side ADF supports media sizes up to Legal (21.6 x 35.6 cm)
- 2. Convenience Stapler
- 3. Hardware Integration Pocket (for connecting accessories and third-party devices)¹
- 4. 550-sheet tray 2 supports media sizes up to Legal (21.6 x 35.6 cm)
- 5. 100-sheet multipurpose tray 1 supports media sizes up to Legal (21.6 x 35.6 cm)
- 6. Automatic 2-sided printing
- 7. 10.1-inch color touchscreen display (25.6cm)



Series at a glance



Model	HP LaserJet Enterprise MFP X53052dn Printer	HP LaserJet Enterprise Flow MFP X53052z Printer
Product number	675S6A	675S7A
Functions	Print, Scan, Copy, optional Fax	Print, Scan, Copy, Fax
Print speed (up to) ²	52/50 ppm (Letter/A4)	
Scan speed ²	50/100 ipm (simplex/duplex)	60/120 ipm (simplex/duplex)
Auto 2-sided printing	Yes	
Connectivity	USB, Ethernet	
Control panel	8-inch color touchscreen display (20.3cm)	10.1-inch color touchscreen display (25.6cm)
Input capacity	650/2,300 (std/max)	
Memory and Storage	6GB RAM, 32GB eMMC	6GB RAM, 256GB SSD
Recommended monthly page volume ⁴	10,000 to 25,000	
Key Solutions ^{5,6,7}	HP Editable OCR; HP Smart Device Services	HP Editable OCR; HP AI Guided Redaction; HP Smart Device Services; HP Flow
Workpath enabled	Yes	
Output Devices	Optional Convenience Stapler via CTO	Standard Convenience Stapler
Extensibility	HP FutureSmart ³ , OXPd	

¹ Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase. ² 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. ³ 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. ⁴ HP recommends that the number of pages per month of imaged output be within a stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period, the lowest monthly volume shown is based on 60-month usage and the highest 24-month usage. ⁵ Guided Redaction estimated to be available Spring 2026 on select Flow MFPs (HP LaserJet Enterprise Flow MFP X53052z). Requires latest HP FutureSmart firmware and the purchase of the HP WorkFlow Accelerator Card accessory. Telephone and Social Security Number fields are optimized for North America and select European countries. ⁶ Not all MFPs may be compatible with Workpath apps. To enable HP Scan AI Enhanced, license is required. Personalized content and integration functions are applicable to supported HP Workpath apps only. ⁷ Hp editable OCR available as standard on Flow MFP models (HP LaserJet Enterprise Flow MFP X53052z) and available for purchase as an optional HP Editable OCR license on non-Flow MFP models (HP LaserJet Enterprise MFP X53052dn).

Configurable Items, Accessories, Supplies and Support

Supplies	W9087MC HP W9087MC Black Managed LaserJet Toner Cartridge (Average cartridge yields 30,000 standard pages. Declared yield value in accordance with ISO/IEC 19752.)
Accessories	6C7M6A HP LaserJet 550-sheet Paper Tray B8GR1A HP LaserJet 550 Sheet Paper Constellation Yellow Tray B8GR2A HP LaserJet 550 sheet Paper Cosmic Green Tray B8GR3A HP LaserJet 550 sheet Paper Aurora Purple Tray B8GR4A HP LaserJet 550 sheet Paper Comet Red Tray B8GR5A HP LaserJet 550 sheet Paper Lunar Gray Tray B01KLA HP LaserJet 3x550 Sheet Paper Tray with Stand B01KMA HP LaserJet Lunar Gray 3x550 Sheet Paper Tray with Stand B01KNA HP LaserJet Comet Red 3x550 Sheet Paper Tray with Stand B01KPA HP LaserJet Cosmic Green 3x550 Sheet Paper Tray with Stand B01KQA HP LaserJet Aurora Purple 3x550 Sheet Paper Tray with Stand B01KRA HP LaserJet Constellation Yellow 3x550 Sheet Paper Tray with Stand B01KTA HP LaserJet 550 Sheet Paper Tray with Storage Stand B01KVA HP LaserJet Lunar Gray 550 Sheet Paper Tray with Storage Stand B01KWA HP LaserJet Comet Red 550 Sheet Paper Tray with Storage Stand B01KXA HP LaserJet Cosmic Green 550 Sheet Paper Tray with Storage Stand B01KYA HP LaserJet Aurora Purple 550 Sheet Paper Tray with Storage Stand B01KZA HP LaserJet Constellation Yellow 550 Sheet Paper Tray with Storage Stand B01KSA HP LaserJet Envelope Feeder Kit 1M0Q0A HP MFP Analog Fax 702 Accessory 616H2A HP LaserJet Worklow UK Keyboard 2TD64A HP Accessibility Kit 478C2A HP Printing Voice Assistant 8FP31A HP Jetdirect LAN Accessory 9R1U0A HP JetDirect 3200w Wi-Fi 6 Bluetooth Wireless Accessory 4XN67A Internal USB Expansion Kit 766R7A HP LaserJet 512 GB SED-TAA Solid State Drive B1831A HP LaserJet 512GB M.2 2280 NVMe CCC/FIPS/TAA Solid State Drive 6W666A HP LaserJet X53052 Constellation Yellow Color Panel Kit 6W667A HP LaserJet X53052 Cosmic Green Color Panel Kit 6W668A HP LaserJet X53052 Aurora Purple Color Panel Kit 6W669A HP LaserJet X53052 Comet Red Color Panel Kit 6W670A HP LaserJet X53052 Lunar Gray Color Panel Kit 6W681A HP 550 sheet Paper Tray Constellation Yellow Panel Kit 6W682A HP 550 Sheet Paper Tray Cosmic Green Panel Kit 6W683A HP 550 Sheet Paper Tray Aurora Purple Panel Kit 6W684A HP 550 Sheet Paper Tray Comet Red Panel Kit 6W685A HP 550 Sheet Paper Tray Lunar Gray Panel Kit 6W686A HP Storage Stand Constellation Yellow Panel Kit 6W687A HP Storage Stand Cosmic Green Panel Kit 6W688A HP Storage Stand Aurora Purple Panel Kit 6W689A HP Storage Stand Comet Red Panel Kit 6W690A HP Storage Stand Lunar Gray Panel Kit Q7432A HP Staple Cartridge Pack (Conv Stapler) B5L31A HP Foreign Interface Harness X3D03B HP USB Universal Card Reader Y7C05B HP HIP2 Keystroke Reader 35H11B HP HID Mob Acc Mifare DES Fire ks Reader 4QL32A HP Legic Secure USB Reader BK5S6AAE HP Editable OCR A4
Service and Support	UN9M7E-HP 3 year Next Business Day Onsite with DMR Service for LaserJet Enterprise MFP X53052 UN9M8E-HP 4 year Next Business Day Onsite with DMR Service for LaserJet Enterprise MFP X53052 UN9M9E-HP 5 year Next Business Day Onsite with DMR Service for LaserJet Enterprise MFP X53052 UN9N0PE-HP 1 year Post Warranty NBD Onsite with DMR Service for LaserJet Enterprise MFP X53052 UN9N5E-HP 3 year Parts Exchange with DMR Service for LaserJet Enterprise MFP X53052 UN9N6E-HP 4 year Parts Exchange with DMR Service for LaserJet Enterprise MFP X53052 UN9N7E-HP 5 year Parts Exchange with DMR Service for LaserJet Enterprise MFP X53052 UN9N8PE-HP 1 year Post Warranty Parts Exchange with DMR Service for LaserJet Enterprise MFP X53052 U67T2E-HP Print Carbon Emissions Sync Service for A4 Products only U9JT2E-HP Installation Service with network configuration for Workgroup Printer(1 unit)

Technical specifications

Product number	Model	
Functions	HPLaserJet Enterprise MFP X53052dn Printer	HP LaserJet Enterprise Flow MFP X53052z Printer
Control panel	675S6A	675S7A
Print	Print, copy, scan and optional fax	
Print technology	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display	10.1-in (25.65 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display
Print speed ^{13,14}	Laser	
First page out ¹⁵	Black (A4, normal) Up to 50 ppm ; Black (A4, duplex): Up to 41 ipm ; Print speed black (Landscape, A5): Up to 76 ppm	
Print resolution	Black (A4, ready): As fast as 4.1 sec ; Black (A4, sleep): As fast as 8.4 sec	
Monthly duty cycle ²¹	Black (best): Up to 1200 x 1200 dpi ; Technology: Normal (600x600 dpi with FastRes), Fine Lines (1200x1200 dpi), Quickview (300x300 dpi)	
	Up to 275,000 pages A4; Recommended monthly page volume ¹⁶ : 10,000 to 25,000	
Printer smart software features	Apple AirPrint™, Mopria-certified, Open Extensibility Platform, FutureSmart Firmware, Instant-on Technology, HP Auto-On/Auto-Off technology, Easy Access USB, Two-Sided Printing, Hardware Integration Pocket, Intuitive 8 in (20.3 cm) or 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 PostScript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™	
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 information available in the user guide and documentation for this printer model at http://www.hp.com/support	
Print area	Print margins Top: 4.23 mm, Bottom: 4.23 mm, Left: 4.23 mm, Right: 4.23 mm; Maximum print area: 212 x 352 mm	
Duplex printing	Automatic (standard)	
Copy		
Copy speed ⁶	Black (A4): Up to 50 cpm	
Copier specifications	Book Copy; Booklet; Build Job; Collation; Content orientation; Copy preview; Darkness control; Default Original Size; Edge Erase; 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/Photo; Tray Selection; Two-sided copy; Watermark; 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; Auto tone; Multi-feed detection; Auto paper color removal; Document editing; ; Maximum number of copies: Up to 9999 copies; Reduce/Enlarge: 25 to 400%	
First copy out	A4: As fast as 5.1 sec; 2-sided A4: Up to 41 ipm	
Copy resolution	Color (text and graphics): Up to 600 x 600 dpi	
Scan		
Scan speed ²	Normal (A4): Up to 47 ppm/94 ipm (b&w), up to 47 ppm/94 ipm (color); Duplex (A4): Up to 94 ipm (b&w), up to 94 ipm (color)	Normal (A4): Up to 56 ppm/112 ipm (b&w), up to 56 ppm/112 ipm (color); Duplex (A4): Up to 112 ipm (b&w), up to 112 ipm (color)
Scan file format ⁵	Standard: 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); Optional: Editable OCR License; CSV (OCR); HTML (OCR); Open Office XML (.docx, .xlsx, .pptx); RTF (OCR); TEXT (OCR); Unicode TEXT (OCR)	Standard: 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); Editable OCR; CSV (OCR); HTML (OCR); Open Office XML (.docx, .xlsx, .pptx); RTF (OCR); TEXT (OCR); Unicode TEXT (OCR);
Scanner specifications	Scanner type: Flatbed, ADF; Scan technology: Contact Image Sensor (CIS); Scan input modes: Front panel applications: Copy, E-mail, Save to Network Folder, Save to USB, Save to Device Memory, Open Extensibility Platform (OxP) applications; Twain version: Version 2.4; Duplex ADF scanning: Yes, single pass duplex scanning; Optical scan resolution: Up to 600 dpi	
Recommended monthly scan volume ³	5000 to 10,000	
Scannable area	Maximum media size (flatbed): 216 x 356 mm; Minimum media size (ADF): 68 x 127 mm Maximum media size (ADF): 216 x 864 mm	
Bit depth/ Grey scale levels	24-bit / 256	
Digital sending	Standard: Embedded OCR; scan to OneDrive; scan to OneDrive for Business; scan to SharePoint Online; 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; Optional: Editable OCR (With License) ; Optional: Editable OCR (with License)	Standard: 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, auto page-crop; multi-feed detection; document editing; auto paper color removal; job separation; automatically straighten; scan to OneDrive; scan to OneDrive for Business; scan to SharePoint Online
Fax		
Fax/modem ¹²	Fax: Optional, Modem: 33.6 kbps (with optional analog fax accessory)	Fax: Yes, Modem: Optional
Fax specifications	Fax memory: Up to 1000 pages; Fax resolution: Standard: 200 x 100 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 300 x 300 dpi; Quick dialing: 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	
Processor speed	Quad Core (1.6 Ghz)	
Storage ⁴	32 GB eMMC; 512 GB SSD (Optional)	256 GB SSD; 512 GB SSD (Optional)
Connectivity		
Standard	1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host); 1 Hi-Speed USB 2.0 (host); 1 Gigabit Ethernet 10/100/1000 Base-T network; 1 Hardware Integration Pocket 2nd generation (HIP2)	1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host); 1 Hi-Speed USB 2.0 (host); 1 Gigabit Ethernet 10/100/1000 Base-T network; 1 Hardware Integration Pocket 2nd generation (HIP2); 1 Fax
Optional	HP Jetdirect 3200w WiFi 6 Bluetooth Wireless Accessory 9R1U0A; HP Jetdirect LAN Accessory 8FP31A; HP LJ MFP Analog Fax Accessory	HP Jetdirect 3200w WiFi 6 Bluetooth Wireless Accessory 9R1U0A; HP Jetdirect LAN Accessory 8FP31A
Wireless	Optional, with wireless hardware accessory. Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3200w WiFi 6 Bluetooth Wireless Accessory 9R1U0A.	
Mobile printing capability	Apple AirPrint™; Mopria™ certified	
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	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard); WiFi 2, 4/5 GHz wireless networking (optional); Second Ethernet port (optional); Microsoft Universal Print (MUP) support	
Memory	Standard: 6 GB; Maximum: 6 GB	

Technical specifications

Model	HPLaserJet Enterprise MFP X53052dn Printer		HP LaserJet Enterprise Flow MFP X53052z Printer
Product number	675S6A		675S7A
Media handling			
Number of paper trays	Standard: 2 ; Maximum: 5 ²⁰		
Media types	Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes; labels; cardstock; transparencies; user-defined		
Media size	Custom (metric): Tray 1: 76.2 x 127 to 216 x 356 mm; Tray 2: 105 x 148 to 216 x 356 mm; Optional 550-sheet Tray: 105 x 148 to 216 x 356 mm; Envelope Feeder Accessory: 98 x 162 to 178 x 254 mm ; Supported (metric): Tray 1: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, 0lćio (216 x 340), 16K, postcards (JIS single and double), envelopes (C5, C6, DL); Tray 2: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 0lćio (216 x 340), 16K, postcards (JIS double); Optional 550-sheet Tray: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 0lćio (216 x 340), 16K, postcards (JIS double); Automatic Duplexer: A4, A5, RA4, B5, 16K (195 x 270 mm, 184 x 260 mm, 197 x 273 mm), 0lćio; Envelope Feeder Accessory: B5, C5, C6, ; ADF: Letter; legal; 0lćio; 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	Standard input: 100-sheet multipurpose feeder, 550-sheet input feeder, 100-sheet automatic document feeder Standard output: 250-sheet output feeder Optional input: Optional 1 x 550-sheet paper feeder, 1 x 550-sheet feeder with cabinet, 2000-sheet feeder high capacity input with 1 x 550-sheet paper feeder, optional 3 x 550-sheet feeder, optional envelope feeder ADF: Standard, 100 sheets		
Media weight	Feeder 1: 60 to 200 g/m²; Feeder 2: 60 to 120 g/m²; Automatic Duplexer: 60 to 120 g/m²; ADF: 45 to 200 g/m²		
Input capacity	Tray 1: Sheets: 100; Envelopes: 10 Tray 2: Sheets: 550; Labels: Up to 500 Tray 3: Sheets: 550; Envelope Accessory Tray: 50 Envelopes Maximum: Up to 2300 sheets ADF:		
Output capacity	Standard, 100 sheets		
Envelope feeder	Standard: Up to 250 sheets Envelopes: Up to 30 envelopes Transparencies: Up to 100 sheets Maximum: Up to 250 sheets		
Compatible operating systems ¹⁸	Yes, 50 (optional) ¹⁹ Windows 11 (64-bit and ARM64); Windows 10 (32-bit, 64-bit and ARM64); Android; iOS; macOS 14 Sonoma; macOS 15 Sequoia; macOS Tahoe v26; Linux: Debian 10; Linux: Debian 11; Linux: Elementary 6P; Linux: Fedora 31; Linux: Fedora 32; Linux: Fedora 33; Linux: Fedora 34; Linux: Fedora 35; Linux: Linuxmint 20.1; Linux: Linuxmint 20.2; Linux: ManjaroLinux 20.2; Linux: ManjaroLinux 21.0.7; Linux: Mxlinux 21; Linux: OpenSuse 15.1; Linux: OpenSuse 15.2; Linux: OpenSuse 15.3; Linux: Rhel 6; Linux: Rhel 7; Linux: Rhel 8; Linux: Ubuntu 20.04; Linux: Ubuntu 20.10; Linux: Ubuntu 21.04; Linux: Ubuntu 21.10; Linux: Zorin 15; Linux: Zorin 16; Chrome OS		
Compatible network operating systems			
Software included	Citrix; SAP; Windows Server 2016 64-bit; Windows Server 2019 64-bit; Windows Server 2022 64-bit; Windows Server 2025 64-bit		
	No software solutions are included in the Box only on http://support.hp.com		
Security management	Identity management: Role Based Access Control (RBAC) Walk-up and Remote Access; Admin PW Protected EWS and Remote Access, Self-signed Certificate; Encrypted passwords; Personal on-device user accounts; Account Lockout (time-based); Kerberos AuthN; LDAP authentication; 1000 user PIN codes; Optional HP and 3rd party passwordless, MFA solutions (e.g., badge readers, HP Authentication Suite with Workpath); Protected Access (embedded) end user passwordless MFA for Microsoft® Entra ID; Proximity card reader, single sign-on, smart card, CAC support. Network protection: IPsec/Brewall with Certificate; Elliptic Curve Cryptography (ECC, EC-based certificates); Pre-Shared Key; Kerberos AuthN; Web Jetadmin fleet proxy; 802.1X (EAP-PEAP; EAP-TLS); SNMPv3; HTTPS with Server Certificate Validation; Certificate Provisioning and CA support; Access Control List. Data privacy and protection: Storage Encryption; Encrypted PDF & Email (uses FIPS 140 validated crypto libraries from Microsoft®); Secure Erase with job storage (3x overwrite for HDD, cryptographic erase for SSD); SSL/TLS 1.2, TLS 1.3 support (HTTPS; Encrypted Credentials; Secure encrypted print support via UPD; AI-enabled Guided Redaction data security (select models). Device protection: Continuous malware monitoring; HP SureStart with Quantum Resistant BIOS Urmware Integrity checking, PQC protection, and self-healing recovery; Allowlisting code validation (DLLs, EXEs, etc.) at time of use; Memory Shield hardware-enforced Runtime Intrusion Detection and Control Flow Integrity with self-healing recovery; AI-powered Connection Inspector network behavior anomaly detection with self-healing recovery; Trusted Platform Module 2.0; Configurable Service PIN; EU RED, UK PSTI, Australia Cybersecurity Act 2024 compliant; Embedded VPN (select HP Enterprise models); HP LaserJet Workflow Accelerator Card support (select HP MFP Enterprise models); Wi-Fi security; WPA Enterprise; Security lock slot; USB host port disablement; Hardware integration pocket (HIP). Testing, Validation, Governance, and Compliance: FIPS 140-2, 140-3, Common Criteria Certification; HP Workpath support (select models); NIST security checklist; Supply Chain Security ISO/IEC 20243 Certifications. Fleet security management: HP Security Manager policy and device certificate management, fleet firmware vulnerability assessment; Compatible with Device Security Syslog Messages processed and accessible in SIEM tools; HP Workforce Experience Platform Support (select models); Original HP Enterprise Cartridge Security.		
Printer management	HP Printer Assistant; HP Device Toolbox; HP Web JetAdmin Software; HP Security Manager; Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility; Managed Print Services Administrator)		
Dimensions and weight	Minimum 500 x 425 x 500 mm; Maximum: 540 x 650 x 750 mm		
Printer dimensions (W x D x H)	Minimum 500 x 425 x 500 mm; Maximum: 540 x 650 x 750 mm		
Printer weight ¹¹	~21.5 kg	Minimum 510 x 425 x 500 mm; Maximum: 540 x 650 x 750 mm	
Operating environment	~22.4 kg		
Storage conditions	Temperature: 15 to 32.5°C; Humidity: 30 to 70% RH		
Acoustics ¹⁷	Temperature: ~20 to 40°C		
	Acoustic power emissions: 6.9 B(A); Acoustic pressure emissions: 54 dB(A)		
Power ⁷	Acoustic power emissions: 6.9 B(A); Acoustic pressure emissions: 55 dB(A)		
	Requirements: Input Voltage: 100V - 127V AC, 50 - 60Hz, 9.1A; or Input Voltage: 220V - 240V AC, 50 - 60Hz, 4.7A ; Consumption: 704.5 watts (Printing), 18.7 watts (Ready), 0.71 watts (Sleep), 0.02 watts (Auto-Off), 0.02 watts (Off) ; Typical Electricity Consumption (TEC) ¹⁰ : 0.494 kWh/Week (Blue Angel); 0.542 kWh/Week (ENERGY STAR 3.0) ; Power supply type: Built-in 3-Pin 115V or 220V Internal Power Supply		
Energy savings feature technology	HP Auto-Off Technology; Instant-on Technology; Instant-on Copy; Power save; TerraJet Toner		
Certifications ⁸	UL/cUL (US/Canada); RCM (Australia); TUV and GS Mark (Germany); Department of Industrial Standards of Cambodia; Bureau of Standards, Metrology and Inspection Ministry of Economic Affairs - BSMI (Taiwan); Certificate of China Compulsory Product Certification - CCC (China); Bureau of Indian Standards - BIS Registration (India); PSB (Singapore); Eastern European country approvals; CE Marking; Other Safety & EMC Certification approvals as required by individual countries. Electromagnetic emission standard: CISPR 22:2008 (International) Class A, CISPR 32:2015 (International) Class A / EN 55032:2015 Class A + A11:2020, CISPR 35:2014 (International) / EN 55035:2017 + A11:2020, EN IEC 61000-3-2:2019 + A11:2021, EN IEC 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. CECP; IT ECO Declaration; Blue Angel; EPEAT® Gold India; EPEAT® Gold Australia; EPEAT® Gold Canada; EPEAT® Gold US; SEPA; KOECO; ENERGY STAR® certified; Korea MFPS; Vietnam MFPS		
Sustainable impact specifications	Mercury free; Recyclable through HP Planet Partners; Contains at least 5% post-consumer recycled plastic		
Blue Angel compliant ⁹	Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies		
Country of origin	Czech Republic		
What's in the box	675S6A HP LaserJet Enterprise MFP X53052dn Printer; HP Original LaserJet Introductory Toner Cartridge (~ 6,000 pages); CDs; User Guide; Support Flyers; Warranty Cards; Required Erratas		675S7A HP LaserJet Enterprise MFP X53052z Printer; HP Original LaserJet Introductory Toner Cartridge (~ 6,000 pages); CDs; User Guide; Support Flyers; Warranty Cards; Required Erratas
Warranty	One-year, onsite warranty service. Warranty and support options vary by product, country and local legal requirements. Contact your Contractual Vendor or go to hp.com/support to learn about HP award winning service and support options in your region. (warranty code 4G; warranty ID A001)		

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 published features as of June 2025 of competitive in-class printers. Only HP offers a combination of security features to automatically detect, isolate, stop, and recover from attacks with a self-healing reboot, in alignment with NIST SP 800-193 guidelines for device cyber resiliency. Printers are most vulnerable to attack when they are booting up and during runtime (when the printer is in sleep mode and in use). Only HP Enterprise printers protect the device during 100% of the printer's life with Sure Start BIOS protection, Memory Shield with hardware-based Runtime Intrusion Detection and Control Flow Integrity to detect and recover from zero-day threats in addition to Connection Inspector network behavioral anomaly detection all with self-healing recovery. For a list of compatible products, visit hp.com/go/PrintersThatProtect. For more information, visit hp.com/go/PrinterSecurityClaims.
- ² 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.
- ³ 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.
- ⁴ HP Smart Device Services (SDS) is supported on both A3 and A4 LaserJet devices, requires Original HP supplies to be installed in the device, and supports Managed, Enterprise, and Pro-class HP devices dating back to 2008. Capabilities vary based on the age of the legacy device and Pro-class capabilities. For details, see: <https://hpsdsdevicesupport.com>
- ⁵ Not all MFPs may be compatible with Workpath apps. To enable HP AI Solutions, 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.
- ⁶ Guided Redaction estimated to be available Spring 2026 on select Flow MFPs (HP LaserJet Enterprise Flow MFP X53052z). Requires latest HP FutureSmart Firmware and the purchase of the HP Worklow Accelerator Card accessory. Telephone and Social Security Number fields are optimized for North America and select European countries.
- ⁷ Not all MFPs may be compatible with Workpath apps. To enable HP Scan AI Enhanced, license is required. Personalized content and integration functions are applicable to supported HP Workpath apps only.
- ⁸ Available as standard on Flow MFP models (HP LaserJet Enterprise Flow MFP X53052z) and available for purchase as an optional HP Editable OCR license on non-Flow MFP models (HP LaserJet Enterprise MFP X52952dn/X53052dn).
- ⁹ HP Security Manager must be purchased separately. For details, see hp.com/go/securitymanager.
- ¹⁰ Delivered through implementation of HP Authentication Suite for Workpath-enabled devices and devices with embedded Protected Access both providing passwordless multifactor authentication for Microsoft Entra ID environments. Device identity provided by deployment of device certificates using HP Security Manager software, sold separately.
- ¹¹ Based on HP's internal analysis of business Printers with preinstalled encryption, authentication, malware protection, post-quantum digital signature, and initial BIOS Firmware integrity protection with automatic self-healing recovery finding that no other in-class Printers implement a quantum-resistant cryptographic scheme to protect the integrity of the BIOS and Firmware as of March 2025.
- ¹² Energy reduction in HP LaserJet Enterprise X50352-X50452 and X52952-X53052 with HP Original 159 TerraJet Toner Cartridges compared to predecessor HP LaserJet Enterprise E50145 and E52645 with HP Original 89 Toner Cartridges. Calculated in 2026 based on normalized Energy Star® Typical Electricity Consumption (TEC) data. See hp.com/TerraJet/energysaving for more information.
- ¹³ HP voluntarily designs and tests its printing systems to prevent emissions that exceed Blue Angel and EPEAT eco-label guidelines. Based on US, Canada, India, and Australia EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.energystar.gov/productfinder for more information on models of the HP LaserJet Enterprise X50352-X50452/MFP X52952-X53052 series that are ENERGY STAR certified in North America. ENERGY STAR and the ENERGY STAR logo are registered U.S. marks. HP printer, HP paper and Original HP supply - Blue Angel DE-UZ 219 Emissions Criteria.
- ¹⁴ Recycled plastic in Original HP 159 and 160 TerraJet Toner Cartridges measured in 2026 and expressed as a percentage of total weight of plastic. See hp.com/TerraJet/plasticreductions for more information.
- ¹⁵ Program availability varies. For more information, visit hp.com/hprecycle.
- ¹⁶ HP AI uses artificial intelligence (AI). Feature availability varies by printer model, configuration, and country, with additional localizations planned for future launches. HP reserves the right to charge for certain AI features or additional services in the future in accordance with the HP AI Terms of Service. To learn more, visit hp.com/HP_AI.

Technical specifications disclaimers

- ³ Additional storage may be added up to 512 GB SSD.
- ⁴ Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
- ⁵ HP recommends that the number of scanned pages per month be within the stated range for optimum device performance
- ⁶ 75 gsm
- ⁷ 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 and other editable OCR formats require optional HP Editable OCR license.
- ⁸ First Copy Out from Ready and Simplex Copy Speed measured using ISO/IEC 29183, Duplex Copy Speed measured using ISO/IEC 24735, 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 and document complexity.
- ⁹ Power consumption values based on measurement of 115 V device. 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.
- ¹⁰ EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country. ENERGY STAR and the ENERGY STAR logo are registered U.S. marks.
- ¹¹ 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 115 V device and 230 V for Blue Angel.
- ¹² Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).
- ¹³ With print cartridges
- ¹⁴ Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.
- ¹⁵ 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.
- ¹⁶ 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.
- ¹⁷ Device first page out time based on HP internal measurement of printer activation until page exit. Measurement based on industry-standard ISO/IEC 17629 can be found at <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
- ¹⁸ HP recommends that the number of pages per month of imaged output be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period. The range shown is based on 60 months of output for the lower monthly value and 24 months of output for the higher monthly value.
- ¹⁹ Active Printing measured on worse case bundle/mode, printing A4 simplex at 50ppm. Active Scan measured on worse case bundle/mode, scanning A4 Color Simplex to USB storage at 58 ppm
- ²⁰ Citrix Server versions updates release every quarter, for updates see <https://www.citrix.com/en-in/downloads/citrix-virtual-apps-and-desktops/>; Citrix XenApp & XenDesktop versions updates release every quarter, for updates see <https://www.citrix.com/en-in/downloads/citrix-virtual-apps-and-desktops/>; Citrix Ready Kit Certification - see <http://citrixready.citrix.com> for the latest qualification for HP Printers;
- ²¹ Envelope feeder available as an accessory kit and requires that an additional Tray must be present in the Tray 3 position. Additional trays can be ordered as accessories to suit your requirements.
- ²² The printer can support up to 1 additional tray for desktop use and up to 3 additional trays for floor standing. Floor standing configurations must be built up from one of the two floor standing accessories - 3 x 550 Sheet Paper Tray with Stand, or 1 x 550 Sheet Paper Tray with Storage Stand.

