

HP Color LaserJet Enterprise M653 series



The pinnacle of performance and security.

This HP Colour LaserJet Printer with JetIntelligence combines exceptional performance and energy efficiency with professional-quality documents right when you need them – all while protecting your network with the industry's deepest security.¹



HP Color LaserJet Enterprise M653dn



HP Color LaserJet Enterprise M653x

The world's most secure printing¹

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code – digitally signed by HP.
- Run-time intrusion detection continually monitors activity to detect and stop attacks, then automatically reboots.
- Centralise control of your printing environment with HP Web Jetadmin – and help build business efficiency.²

High speed performance meets energy efficiency

- Speed through tasks and save paper. Print two-sided documents at up to 56 images per minute, with 100% duplex efficiency.³
- This printer wakes up fast and prints your first page faster – in as quickly as 7.7 seconds.⁴
- This printer uses exceptionally low amounts of energy thanks to its innovative design and toner technology.⁵
- Paper handling options include a wheeled stand and 550-sheet input feeder for paper sizes 10.16 x 15.24 cm (4 x 6") to legal.

More Pages, Performance, and Protection⁶

- ColorSphere3 toner formulation, combined with an automatic media sensor, help provide leading print quality.
- Original HP Toner Cartridges with JetIntelligence supply 46% more pages per colour cartridge vs predecessor.⁶
- Help retain the Original HP quality you paid for with anti-fraud and cartridge authentication technology.
- Spend less time replacing toner, and more on business. Choose high-yield toner cartridges.⁷



Low energy



2-sided printing



Auto On/Off Technology

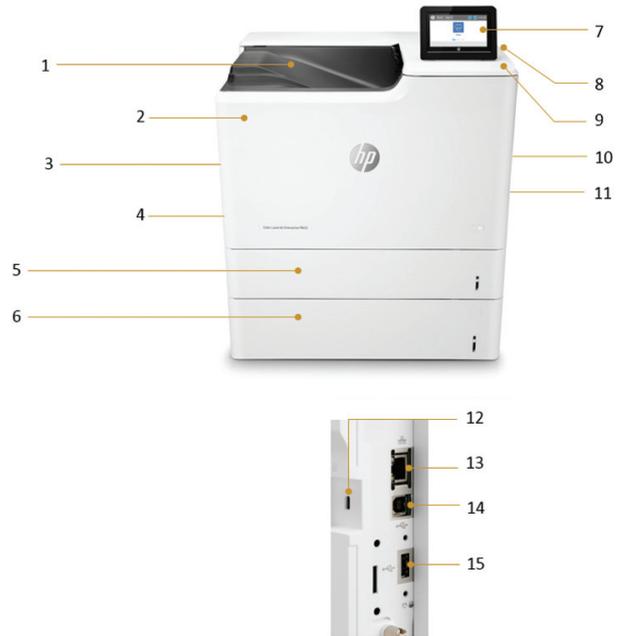


HP Sure Start

Product walkaround

HP Color LaserJet Enterprise M653x shown

1. 500-sheet output bin
2. Front door access to toner cartridges
3. Wi-Fi Direct printing/Bluetooth Low Energy
4. Built-in automatic two-sided printing
5. 550-sheet tray 2
6. 550-sheet tray 3
7. 10.9 cm (4.3-inch) icon-based colour touchscreen
8. Hardware Integration Pocket
9. Easy-access USB port
10. 100-sheet multipurpose tray 1
11. Lower right door (access to print path)
12. Slot for cable-type security lock
13. Built-in Gigabit Ethernet
14. Hi-Speed USB 2.0 printing port
15. USB port for connecting external USB devices



Series at a glance



| Model | HP Color LaserJet Enterprise M653dn | HP Color LaserJet Enterprise M653x |
|---|---------------------------------------|--|
| Product number | J8A04A | J8A05A |
| Print speeds (A4) | Up to 56 ppm | Up to 56 ppm |
| Control panel | 10.9 cm icon-based colour touchscreen | 10.9 cm icon-based colour touchscreen |
| Automatic two-sided printing | Yes | Yes |
| 100-sheet tray 1, 550-sheet tray 2 | Yes | Yes |
| 550-sheet tray* | Optional (up to two) | Yes (plus up to one optional) |
| 550-sheet tray with stand and cabinet* | Optional | Not available |
| 3 x 550-sheet paper feeder and stand* | Optional | Not available |
| 1 x 550-sheet/2,000-sheet HCI feeder and stand* | Optional | Not available |
| Direct mobile printing** | Optional wireless direct/NFC | Embedded Wi-Fi Direct®/Bluetooth® Low Energy |
| Wireless networking*** | Optional | Optional |

*All models come with 100-sheet multipurpose tray 1 and 550-sheet tray 2. In addition, M653dn model can add up to two additional 550-sheet paper feeders; or, it can add one of the other accessories (550-sheet paper feeder with stand and cabinet, 3x550-sheet paper feeder and stand, or 1x550-sheet/2,000-sheet HCI feeder and stand).The M653x model comes standard with one additional 550-sheet paper feeder (tray 3) and it can add one additional 550-sheet paper feeder, it does not support any other paper-handling accessories.

** Wi-Fi Direct printing is embedded in the M653x model. The M653dn model can add wireless direct/NFC by purchasing the optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. For details, see hp.com/go/mobileprinting. Wi-Fi Direct is a registered trademark of Wi-Fi Alliance®. For more information regarding Near Field Communication (NFC), see hp.com/go/businessmobileprinting.

***The models can add wireless networking with the purchase of the optional HP Jetdirect 2900nw Print Server. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections.

Accessories, Supplies and Support

| | |
|----------------------------|--|
| Supplies | J8030A HP Jetdirect 3000w NFC/Wireless Accessory |
| | J8031A HP Jetdirect 2900nw Print Server |
| | CF450A HP 655A Black Original LaserJet Toner Cartridge |
| | CF460X HP 656X High Yield Black Original LaserJet Toner Cartridge |
| | CF451A HP 655A Cyan Original LaserJet Toner Cartridge |
| | CF461X HP 656X High Yield Cyan Original LaserJet Toner Cartridge |
| | CF452A HP 655A Yellow Original LaserJet Toner Cartridge |
| | CF462X HP 656X High Yield Yellow Original LaserJet Toner Cartridge |
| Accessories | P1B09A HP Color LaserJet 550-sheet Media Tray |
| | P1B10A HP Color LaserJet 550 Sheet Paper Tray with Stand |
| | P1B11A HP Color LaserJet 3x550 Sheet Feeder and Stand |
| | P1B12A HP Color LaserJet 1x550/2000-Sheet HCI Feeder and Stand |
| | F5562A HP Trusted Platform Module Accessory |
| | J8J96A HP Staple Cartridge Refill Cartridge contains 5,000 staples Cartridge contains 5,000 staples |
| Service and support | U9NZ6E HP 3 year Next Business Day with Defective Media Retention for Colour LaserJet Enterprise M65x HW Support |
| | U9NZ7E HP 4 year Next Business Day with Defective Media Retention for Colour LaserJet Enterprise M65x HW Support |
| | U9NZ8E HP 5 year Next Business Day with Defective Media Retention for Colour LaserJet Enterprise M65x HW Support |
| | U9PC0PE HP 1 year Post Warranty Next Business Day with Defective Media Retention for Colour LaserJet Enterprise M65x HW Support |
| | U9PC1PE HP 2 year Post Warranty Next Business Day with Defective Media Retention for Colour LaserJet Enterprise M65x HW Support |

Technical specifications

| Model | HP Color LaserJet Enterprise M653dn | HP Color LaserJet Enterprise M653x |
|---|--|--|
| Product number | J8A04A | J8A05A |
| Functions | Print | |
| Control panel | 10.92 cm (4.3 in) Colour Graphics Display (CGD) with touchscreen; Rotating (adjustable angle) display; Home button | |
| Print | | |
| Print technology | Laser | |
| Print speed ¹ | Black (A4, normal): Up to 56 ppm; Colour (A4, normal): Up to 56 ppm; Black (A4, duplex): Up to 56 ipm | |
| First page out ² | Black (A4, ready): As fast as 5.8 sec; Colour (A4, ready): As fast as 5.8 sec; Black (A4, sleep): As fast as 7.8 sec; Colour (A4, sleep): As fast as 7.8 sec | |
| Print resolution | Black (best): Up to 1200 x 1200 dpi; Colour (best): Up to 1200 x 1200 dpi; Technology: HP ImageRet 3600; 600 x 600 dpi; HP ProRes 1200 (1200 x 1200 dpi); Pantone® Calibrated | |
| Monthly duty cycle | Up to 120,000 pages (A4); Recommended monthly page volume: 2,000 to 17,000 | |
| 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 | |
| Standard print languages | HP PCL 6; HP PCL 5c; HP postscript level 3 emulation; Native PDF printing (v 1.7); URF (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 WorldType); 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 http://www.hp.com/go/laserjetfonts | |
| Print area | Print margins: Top: 4.3 mm, Bottom: 4.3 mm, Left: 4.3 mm, Right: 4.3 mm | |
| Duplex printing | Automatic (standard) | Automatic (standard) |
| Processor speed | 1.2 GHz | |
| Connectivity | | |
| Standard | 1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit/Fast Ethernet 10/100/1000 Base-TX network; Hardware Integration Pocket | |
| Mobile printing capability ³ | HP ePrint; Apple AirPrint™; Mopria-certified | HP ePrint; Wireless direct printing; 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); 802.11a/b/g/n wireless networking (optional). | |
| Memory | Standard: 1 GB; Maximum : 2 GB | |
| Media handling | | |
| Number of paper trays | Standard: 2; Maximum: Up to 5 | Standard: 3; Maximum: Up to 3 |
| Media types | Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy), colour transparency, labels, letterhead, envelope, preprinted, prepunched, coloured, rough, opaque film, user-defined | |
| Media size | Custom (metric): Tray 1: 76 x 127 to 216 x 356 mm; Tray 2: 101.6 x 148 to 216 x 356 mm; Optional 550-sheet trays: 101.6 x 148 to 216 x 356 mm; Optional 2,000-sheet high-capacity tray: custom sizes not supported in this tray Supported (metric): 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: A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio, 16k, Dpostcard; Optional 550-sheet trays 3, 4, 5: A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio, 16k, Dpostcard; Optional 2,000-sheet high-capacity Tray 4: A4 | Custom (metric): Tray 1: 76 x 127 to 216 x 356 mm; Trays 2, 3: 101.6 x 148 to 216 x 356 mm; Optional Tray 4: 101.6 x 148 to 216 x 356 mm Supported (metric): 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, 3: A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio, 16k, Dpostcard; Optional Tray 4: A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio, 16k, Dpostcard |

| Model | HP Color LaserJet Enterprise M653dn | HP Color LaserJet Enterprise M653x |
|--------------------------------------|---|--|
| Product number | J8A04A | J8A05A |
| Media handling | Standard input: 100-sheet multi-purpose tray, 550-sheet input tray 2 Standard output: 500-sheet output bin Optional input: Optional 1 x 550-sheet paper feeder, optional 1 x 550-sheet Paper Feeder with Stand and Cabinet, optional 3 x 550-sheet Paper Feeder with Stand, optional 1 x 550/2,000-sheet HCI Feeder and Stand | Standard input: 100-sheet multi-purpose tray, 550-sheet input tray 2, 3 Standard output: 500-sheet output bin Optional input: Optional 1 x 550-sheet feeder |
| Media weight | Tray 1: 60-220 g/m ² (plain), 120 to 220 g/m ² (glossy); Tray 2 and automatic two-sided printing unit: 60 to 163 g/m ² (plain), 120 to 220 g/m ² (glossy); Optional Trays 3, 4, 5 1 x 550-sheet feeders: 60 to 163 g/m ² (plain), 120 to 220 g/m ² (glossy); Optional Tray 4 2,000 high capacity input: 60-163 g/m ² (plain) | Tray 1: 60-220 g/m ² (plain), 120 to 220 g/m ² (glossy); Trays 2, 3 and automatic two-sided printing unit: 60 to 163 g/m ² (plain), 120 to 220 g/m ² (glossy); Optional Tray 4: 60 to 163 g/m ² (plain), 120 to 220 g/m ² (glossy) |
| Input capacity | Tray 1: Paper: 100 sheets of 75 gsm media; Envelopes: 10 Tray 2: Plain media (75 g/m ²) sheets: 550 (55 mm stack height); Glossy media sheets (120 g/m ²): 250 (30 mm stack height) Maximum: Up to 3,200 sheets | |
| Output capacity | Standard: Up to 500 sheets Envelopes: Up to 85 envelopes Transparencies: Up to 200 sheets Maximum: Up to 500 sheets | |
| Compatible operating systems | Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.11 El Capitan, OS X 10.10 Yosemite, UNIX, Windows 10 all 32/64-bit editions (excluding RT OS for Tablets), Windows 7 all 32/64-bit editions, Windows 8/8.1 all 32/64-bit editions (excluding RT OS for Tablets), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.) | |
| Compatible network operating systems | Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003 R2, Citrix on Windows Server 2008/2008 R2/2008 R2 SP1, Citrix on Windows Server 2012/2012 R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32/64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32/64-bit), Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32/64-bit), Citrix XenApp 7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6 (for Windows Server 2008 R2 Terminal Services, 32/64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32/64-bit), Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients http://www.novell.com/iprint , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers http://www.novell.com/iprint , Windows Server 2003/2003 R2 32/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services) | |
| Minimum system requirements | Windows: 2 GB available hard disk space; OS hardware requirements see http://www.microsoft.com ; Mac: 1.3 GB available hard drive space; Internet; OS hardware requirements see http://www.Apple.com for more info | |
| Software included | HP Connected, HP Device Experience (DXP), HP PCL 6 (XPS) Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to http://www.123.HP.com or OS App Source for printer software), online user manuals | |
| 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 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; Intrusion detection with Red Balloon security technology - constant 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 HP JetAdvantage security manager; Device security Syslog messages processed and accessible in Arcsight and Splunk SIEMs | |
| Printer management | HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver | |
| Dimensions and Weight | | |
| Printer dimensions (W x D x H) | Minimum: 510 x 458 x 510 mm; Maximum: 963 x 770 x 510 mm | Minimum: 510 x 458 x 640 mm; Maximum: 963 x 770 x 640 mm |
| Package dimensions (W x D x H) | 653 x 596 x 578 mm | 664 x 600 x 773 mm |
| Printer weight | 31.3 kg | 37.5 kg |
| Package weight | 36.0 kg | 43.7 kg |
| Operating environment | Temperature: 15 to 30°C; Humidity: 30 to 70% RH | |
| Storage | Temperature: -20 to 40°C; Humidity: 10 to 90% RH | |
| Power ⁴ | Requirements: Input voltage: 220V to 240V nominal, (+/-10%) 50 - 60Hz nominal (+/- 3Hz), 6 A Consumption: 780 watts (printing), 31 watts (ready), 0.7 watts (sleep), 0.7 watts (Auto Off/Manual On), 0.1 (Manual Off); Typical Electricity Consumption (TEC): Energy Star: 2.49 kWh/Week; Blue Angel: 2.27 kWh/Week; Power supply type: Built in 220V Power Supply | |
| Energy savings feature technology | HP Auto-on/Auto-off Technology; Instant-on Technology | |
| Certifications | CISPR 22: 2008 (International) - Class A, CISPR 32: 2012 (International) - Class A, EN 55032: 2012 (EU) - Class A, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 55024: 2010, EMC Directive 2014/30/EU; Other EMC approvals as required by individual countries ENERGY STAR [®] qualified; Blue Angel; CECP; EPEAT [®] Silver; EPEAT [®] Gold (optional) | CISPR 22: 2008 (International) - Class A, CISPR 32: 2012 (International) - Class A, EN 55032: 2012 (EU) - Class A, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 55024: 2010, EN 301 489-1 V1.9.2, EN 301 489-1 V2.2.1, EN 301 489-3 V1.6.1, EMC Directive 2014/30/EU; Other EMC approvals as required by individual countries ENERGY STAR [®] qualified; Blue Angel; CECP; EPEAT [®] Silver |
| What's in the box ⁵ | HP Colour LaserJet Enterprise M653dn Printer; HP Black Original LaserJet Toner Cartridge (12,500 yield), HP Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (10,500 yield each) (toner cartridges installed); CD with software drivers and documentation; Documentation (hardware install guide); Power cord | HP Colour LaserJet Enterprise M653x Printer; HP Black Original LaserJet Toner Cartridge (12,500 yield), HP Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (10,500 yield each) (toner cartridges installed); CD with software drivers and documentation; Documentation (hardware install guide); Power cord; 1 x 550-sheet paper feeder |
| Warranty | One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to hp.com/support to learn about HP award winning service and support options in your region. | |

Footnotes

- ¹ Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit hp.com/go/PrintersThatProtect. For more information: hp.com/go/printersecurityclaims.
- ² HP Web Jetadmin is available for download at no additional charge at hp.com/go/webjetadmin.
- ³ 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.
- ⁴ Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep.
- ⁵ Energy claim based on TEC data reported on energystar.gov as of January 2017. Data normalised to determine energy efficiency of in-class laser printers with published speed of 50 to 60 ppm. Subject to device settings. Actual results may vary.
- ⁶ More pages versus predecessor cartridges claim based on page-yield comparison of HP M647A and HP 648A Color Original LaserJet Toner Cartridges with HP 656X High Yield Color Original LaserJet Toner Cartridges. For more information, see hp.com/go/learnaboutesupplies
- ⁷ HP 656X High Yield Original LaserJet Toner Cartridges not included; please purchase separately.

Technical specifications disclaimers

- 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 May require a firmware upgrade to be compatible, download at <http://www.hp.com/go/support>
- ⁴ 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.
- ⁵ Cartridges included; yields 10,500 colour (C/Y/M) and 12,500 black pages. Pages based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutesupplies>. Pages may vary based on customer printing conditions and usage.



<http://www.hp.com/uk>

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