



# HP Color LaserJet Enterprise M652 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.<sup>1</sup>



HP Color LaserJet Enterprise M652n



HP Color LaserJet Enterprise M652dn



Low energy



2-sided printing



Auto on/off

## The world's most secure printing<sup>1</sup>

- 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.<sup>2</sup>

## High speed performance meets energy efficiency

- Speed through tasks and save paper. Print two-sided documents at up to 47 images per minute, with 100% duplex efficiency.<sup>3</sup>
- This printer wakes up fast and prints your first page faster – in as quickly as 8.4 seconds.<sup>4</sup>
- This printer uses exceptionally low amounts of energy thanks to its innovative design and toner technology.<sup>5</sup>
- 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 Protection<sup>6</sup>

- ColorSphere3 toner formulation, combined with an automatic media sensor, help provide leading print quality.
- Original HP Toner cartridges with JetIntelligence supply 2x more colour pages per cartridge vs. predecessor.<sup>6</sup>
- 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.<sup>7</sup>

## Product walkaround

HP Color LaserJet Enterprise M652dn shown

1. 500-sheet output bin
2. Front door access to toner cartridges
3. Built-in automatic two-sided printing (M652dn only)
4. 550-sheet tray 2
5. 6.9 cm (2.7-inch) colour graphics display with keypad
6. Hardware Integration Pocket
7. Easy-access USB port
8. Right door (access to print path)
9. 100-sheet multipurpose tray 1
10. Slot for cable-type security lock
11. Built-in Gigabit Ethernet
12. Hi-Speed USB 2.0 printing port
13. USB port for connecting external USB devices



\*All models come with 100-sheet multipurpose tray 1 and 550-sheet tray 2. In addition, the M652n, M652dn models can add up to two additional 550-sheet paper feeders; or, they 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 HCl feeder and stand).

\*\* The models can add wireless direct/NFC by purchasing the optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. For details, see [hp.com/go/mobileprinting](http://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](http://hp.com/go/businessmobileprinting).

## Series at a glance



Model	HP Color LaserJet Enterprise M652n	HP Color LaserJet Enterprise M652dn
Product number	J7Z98A	J7Z99A
Print speeds (A4)	Up to 47 ppm	
Control panel	6.9 colour graphics display with keypad	6.9 cm colour graphics display with keypad
Automatic two-sided printing	Manual	Yes
100-sheet tray 1, 550-sheet tray 2	Yes	
550 sheet tray*	Optional (up to two)	
550-sheet tray with stand and cabinet*	Optional	
3 x 550-sheet tray and stand*	Optional	
1 x 550-sheet/2,000-sheet HCl feeder and stand*	Optional	
Direct mobile printing**	Optional wireless direct/NFC	
Wireless networking***	Optional	

## Accessories, Supplies and Support

Supplies	CF450A HP 655A Black Original LaserJet Toner Cartridge (12,500 pages)
	CF460X HP 656X High Yield Black Original LaserJet Toner Cartridge (27,000 pages)
	CF451A HP 655A Cyan Original LaserJet Toner Cartridge (10,500 pages)
	CF461X HP 656X High Yield Cyan Original LaserJet Toner Cartridge (22,000 pages)
	CF452A HP 655A Yellow Original LaserJet Toner Cartridge (10,500 pages)
	CF462X HP 656X High Yield Yellow Original LaserJet Toner Cartridge (22,000 pages)
	CF453A HP 655A Magenta Original LaserJet Toner Cartridge (10,500 pages)
	CF463X HP 656X High Yield Magenta Original LaserJet Toner Cartridge (22,000 pages)
	P1B92A HP LaserJet 220V Maintenance Kit (Up to 150,000 pages for HP Color LaserJet Enterprise M65X and M68X series, HP Color LaserJet Managed E650XX and E675XX series; Up to 225,000 pages for HP Color LaserJet Managed E651XX and E676XX series)
	P1B93A HP LaserJet Image Transfer Belt Kit (Up to 150,000 pages)
	P1B94A HP LaserJet Toner Collection Unit (Up to 100,000 pages)
	This printer uses newer generation HP cartridges identifiable by a "P" at the end of the cartridge lot number. More at <a href="http://www.hp.com/go/learnaboutsupplies">http://www.hp.com/go/learnaboutsupplies</a>
	Accessories
P1B10A HP Color LaserJet 550 Sheet Paper Tray with Stand	
P1B11A HP Color LaserJet 3x550-sheet Feeder and Stand	
P1B12A HP Color LaserJet 1 x 550/2000-sheet HCl Feeder and Stand	
F5S62A HP Trusted Platform Module Accessory	
B5L29A HP High-Performance Secure Hard Disk	
J8030A HP Jetdirect 3000w NFC/Wireless Accessory	
J8031A HP Jetdirect 2900nw Print Server	
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 M652n	HP Color LaserJet Enterprise M652dn
Product number	J7Z98A	J7Z99A
Functions	Print	
Control panel	6.86 cm (2.7 in) QVGA LCD (colour graphics) rotating (adjustable angle) display with 24-key pad	
<b>Print</b>		
Print technology	Laser	
Print speed <sup>1</sup>	Black (A4, normal) Up to 47 ppm; Colour (A4, normal): Up to 47 ppm; Black (A4, duplex): Up to 47 ipm; Colour (A4, duplex): Up to 47 ipm;	
First page out <sup>2</sup>	Black (A4, ready): As fast as 6.5 sec; Colour (A4, ready): As fast as 6.5 sec; Black (A4, sleep): As fast as 8.5 sec; Colour (A4, sleep): As fast as 8.5 sec;	
Print resolution	Black (best): HP ImageRet 3600; Colour (best): HP ImageRet 3600; Technology: HP ImageRet 3600; 600 x 600 dpi; HP ProRes 1200 (1200 x 1200 dpi); Pantone® Calibrated;	
Monthly duty cycle	Up to 100,000 pages A4; <b>Recommended monthly page volume:</b> 2000 to 14,000	
Printer smart software features	Print preview, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB	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 <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:	
Duplex printing	Manual (driver support provided)	Automatic (standard)

Model	HP Color LaserJet Enterprise M652n	HP Color LaserJet Enterprise M652dn
Product number	J7Z98A	J7Z99A
Processor speed	1.2 GHz	
<b>Connectivity</b>		
Standard	1 Hi-Speed USB 2.0 device; 2 Hi-Speed USB 2.0 host; 1 Gigabit/Fast Ethernet 10/100/1000 Base-TX network; Hardware integration pocket	
Optional	HP Jetdirect 2900nw Print Server J8031A; HP Jetdirect 3000w NFC/Wireless Accessory J8030A	
Wireless	Optional, enabled with purchase of HP Jetdirect 2900nw Print Server J8031A or HP Jetdirect 3000w NFC/Wireless Accessory J8030A	
Mobile printing capability <sup>3</sup>	HP ePrint; 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).	
Hard disk	Optional, 500 GB (with accessory B5L29A)	
Memory	Standard: 1 GB; Maximum: 3 GB	
<b>Media handling</b>		
Number of paper trays	Standard: 2 ; Maximum: Up to 5	
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	

Model	HP Color LaserJet Enterprise M652n	HP Color LaserJet Enterprise M652dn
Product number	J7Z98A	J7Z99A
Media handling	<b>Standard input:</b> 100-sheet multi-purpose tray, 550-sheet input tray 2 <b>Standard output:</b> 500-sheet output bin <b>Optional input:</b> 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 HCl feeder and stand	
Media weight	Tray 1: 60-220 g/m <sup>2</sup> (plain), 120 to 220 g/m <sup>2</sup> (glossy); Tray 2 and automatic two-sided printing unit: 60 to 163 g/m <sup>2</sup> (plain), 120 to 220 g/m <sup>2</sup> (glossy); Optional Trays 3, 4, 5 1 x 550-sheet feeders: 60 to 163 g/m <sup>2</sup> (plain), 120 to 220 g/m <sup>2</sup> (glossy); Optional Tray 4 2,000 high capacity input: 60-163 g/m <sup>2</sup> (plain);	
Input capacity	<b>Tray 1:</b> Paper: 100 sheets of 75 gsm media; Envelopes: 10 <b>Tray 2:</b> Plain media (75 g/m <sup>2</sup> ) sheets: 550 (55 mm stack height); Glossy media sheets (120 g/m <sup>2</sup> ): 250 (30 mm stack height) <b>Maximum:</b> Up to 3,200 sheets	
Output capacity	<b>Standard:</b> Up to 500 sheets Envelopes: Up to 85 envelopes Transparencies: Up to 200 sheets <b>Maximum:</b> 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 <a href="http://www.novell.com/iprint">http://www.novell.com/iprint</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/iprint">http://www.novell.com/iprint</a> , 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), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services)	
Minimum system requirements	<b>Windows:</b> 2 GB available hard disk space; OS hardware requirements see <a href="http://www.microsoft.com">http://www.microsoft.com</a> ; <b>Mac:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see <a href="http://www.apple.com">http://www.apple.com</a> 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 <a href="http://www.123.hp.com">http://www.123.hp.com</a> 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 (HTPS); 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	
<b>Dimensions and weight</b>		
Printer dimensions (W x D x H)	<b>Minimum</b> 510 x 458 x 482 mm; <b>Maximum:</b> 963 x 770 x 482 mm;	
Package dimensions (W x D x H)	653 x 596 x 578 mm	
Printer weight	31.2 kg	
Package weight	35.9 kg	
Operating environment	<b>Temperature:</b> 15 to 30°C; <b>Humidity:</b> 30 to 70% RH	
Storage conditions	<b>Temperature:</b> -20 to 40°C; <b>Humidity:</b> 10 to 90% RH	
Acoustics	<b>Acoustic power emissions:</b> 6.8 B(A); <b>Acoustic pressure emissions:</b> 53 dB(A)	
Power <sup>4</sup>	<b>Requirements:</b> Input voltage: 100V to 127V nominal (+/-10%), 50 - 60Hz nominal (+/- 3Hz), 12 A; Input voltage: 220V to 240V nominal, (+/-10%) 50 - 60Hz nominal (+/- 3Hz), 6 A. Not dual voltage, power supply varies by part number with # Option code identifier.; <b>Consumption:</b> 690 watts (printing), 31 watts (ready), 0.7 watts (sleep), 0.7 watts (Auto Off/Manual On), 0.1 (Manual Off); <b>Typical Electricity Consumption (TEC)<sup>5</sup>:</b> Energy Star: 1.96 kWh/Week; Blue Angel: 1.93 kWh/Week; <b>Power supply type:</b> Built in 220V Power Supply;	<b>Requirements:</b> Input voltage: 100V to 127V nominal (+/-10%), 50 - 60Hz nominal (+/- 3Hz), 12 A; Input voltage: 220V to 240V nominal, (+/-10%) 50 - 60Hz nominal (+/- 3Hz), 6 A. Not dual voltage, power supply varies by part number with # Option code identifier.; <b>Consumption:</b> 690 watts (printing), 31 watts (ready), 0.7 watts (sleep), 0.7 watts (Auto Off/Manual On), 0.1 (Manual Off); <b>Typical Electricity Consumption (TEC)<sup>5</sup>:</b> Blue Angel: 1.93 kWh/Week; Energy Star 3.0: 0.563 kWh/Week; <b>Power supply type:</b> Built in 220V Power Supply;
Energy savings feature technology	HP Auto-on/Auto-off Technology; Instant-on Technology	
Certifications <sup>7</sup>	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, Issue 6 Class A; Other EMC approvals as required by individual countries	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, Issue 6 Class A; Other EMC approvals as required by individual countries ENERGY STAR <sup>®</sup> qualified; EPEAT <sup>®</sup> Silver; EPEAT <sup>®</sup> Gold (#AAZ; #201 options only); CECP
Blue Angel compliant	No; Please refer to the ECI document	Yes, Blue Angel DE-UZ 205—only ensured when using Original HP supplies
Country of origin	Made in Japan	
What's in the box <sup>5</sup>	HP Color LaserJet 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	
Warranty	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.	

## Footnotes

- <sup>1</sup> 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](http://hp.com/go/PrintersThatProtect). For more information: [hp.com/go/printersecurityclaims](http://hp.com/go/printersecurityclaims).
- <sup>2</sup> HP Web Jetadmin is available for download at no additional charge at [hp.com/go/webjetadmin](http://hp.com/go/webjetadmin).
- <sup>3</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>4</sup> Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep.
- <sup>5</sup> 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.
- <sup>6</sup> 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/learnaboutsupplies](http://hp.com/go/learnaboutsupplies)
- <sup>7</sup> HP 656X High Yield Original LaserJet Toner Cartridges not included; please purchase separately.
- <sup>8</sup> An FCC Class A emissions compliant device meets the less stringent (higher) levels of emissions allowed by the FCC for a product operation in a commercial environment. An FCC class A device cannot be marketed for use in a residential environment and an FCC class A device should not be purchased for use in a residential environment due to the increased risk of interference to radio communications.

## Technical specifications disclaimers

- <sup>1</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>2</sup> 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.
- <sup>3</sup> May require a firmware upgrade to be compatible, download at <http://www.hp.com/go/support>
- <sup>4</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.
- <sup>5</sup> 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/learnaboutsupplies>. Pages may vary based on customer printing conditions and usage.
- <sup>6</sup> Average colour composite (C/M/Y) and black declared yields 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/learnaboutsupplies>.
- <sup>7</sup> EPEAT<sup>®</sup> registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.
- <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.
- <sup>9</sup> Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.
- <sup>10</sup> eMMC is non-volatile storage; Firmware encryption (AES 128 or AES 256) of customer/job data; Secure Cryptographic Erase – Job Data; Secure Erase – Disk
- <sup>11</sup> Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep.
- <sup>12</sup> Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.
- <sup>13</sup> Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>



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

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