

# HP LaserJet Enterprise M609 series



## The pinnacle of performance and security.

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



HP LaserJet Enterprise M609dn



HP LaserJet Enterprise M609x

### 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 nearly as fast as one-sided.
- This printer wakes up fast and prints your first page faster – in as quickly as 7.9 seconds.<sup>3</sup>
- This printer uses exceptionally low amounts of energy thanks to its innovative design and toner technology.<sup>4</sup>

### More. Pages, Performance, and Protection.<sup>5</sup>

- Produce sharp text, bold blacks, and crisp graphics with precision black toner.
- Original HP Toner cartridges with JetIntelligence deliver more pages per cartridge than predecessors.<sup>5</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>6</sup>



Color touchscreen



HP Mobile Printing



Low energy



Instant-on Technology



Auto On/Off Technology

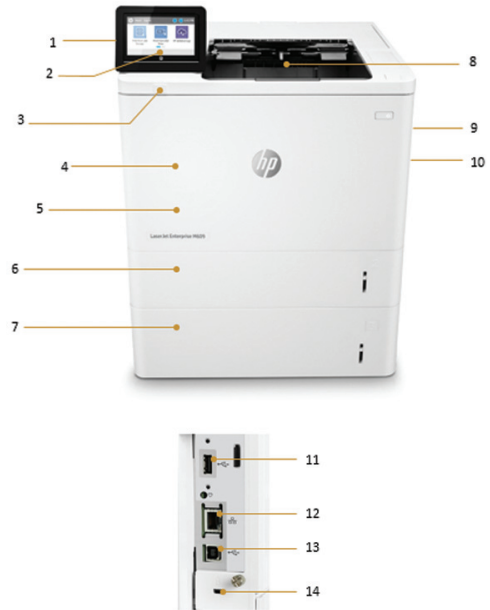


2-sided printing

## Product walkaround

### HP LaserJet Enterprise M609x shown

1. Hardware Integration Pocket
2. 10.9 cm colour touchscreen control panel
3. Easy-access USB port
4. 100-sheet multipurpose tray 1
5. Front door access to toner cartridges
6. 550-sheet input tray 2
7. 550-sheet input tray 3
8. 500-sheet output bin
9. Automatic two-sided printing
10. Wi-Fi Direct/Bluetooth Low Energy
11. Host USB port
12. Gigabit Ethernet network port
13. Hi-Speed USB 2.0 printing port
14. Slot for cable-type security lock



## Series at a glance



Model	HP LaserJet Enterprise M609dn	HP LaserJet Enterprise M609x
Product number	KOQ21A	KOQ22A
Print speeds (A4)*	Up to 71 ppm	Up to 71 ppm
Control panel	6.9 cm LCD with keypad	10.9 cm colour touchscreen
Automatic two-sided printing	Yes	Yes
Hardware Integration Pocket**	Yes	Yes
100-sheet tray 1, 550-sheet tray 2	Yes	Yes
550-sheet paper feeder***	Optional (up to four)	Yes (plus up to three optional)
2,100-sheet paper feeder***	Optional	Optional
Envelope feeder	Optional (up to two)	Optional (up to two)
Printer stand	Optional	Optional
5-bin stapler/stacker/mailbox with job offset	Optional	Optional
Direct mobile printing****	Optional wireless direct/NFC	Embedded Wi-Fi Direct/Bluetooth Low Energy
Wireless networking*****	Optional	Optional
HP High-Performance Secure Hard Disk	Optional	Optional

\*Measured using ISO/IEC 24734; excludes first set of test documents. For more information, see [hp.com/go/printerclaims](http://hp.com/go/printerclaims). Exact speed varies depending on the system configuration, software application, drive and document complexity.

\*\* Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase.

\*\*\* Both models come standard with the 100-sheet multipurpose tray and 550-sheet tray 2. The HP LaserJet Enterprise M609x model comes with one additional 550-sheet paper feeder standard, and can add up to three additional optional 550-sheet paper feeders and the optional 2,100-sheet paper feeder. The M609dn model can add up to four additional optional 550-sheet paper feeders and the optional 2,100-sheet paper feeder.

\*\*\*\* Wi-Fi Direct printing and Touch-to-print capability are embedded in the HP LaserJet Enterprise M609x model. The other models can add wireless direct and Touch-to-print capability with the purchase of the optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. The mobile device needs to be connected directly to the signal of a Wi-Fi Direct® supported MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. For details, see [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). Wi-Fi Direct is a registered trademark of Wi-Fi Alliance®. Also, the mobile device must support Near Field Communication (NFC)-enabled printing. For more information, see [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting). Bluetooth Low Energy is standard only on the HP LaserJet Enterprise M609x model, and it cannot be added to other models. Bluetooth is a trademark owned by its proprietor and used by HP Inc. under license.

\*\*\*\*\* All 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

<b>Supplies</b>	<b>CF237A</b> HP 37A Black Original LaserJet Toner Cartridge
	<b>CF237X</b> HP 37X High Yield Black Original LaserJet Toner Cartridge
	<b>CF237Y</b> HP 37Y Extra High Yield Black Original LaserJet Toner Cartridge
<b>Accessories</b>	<b>LOH17A</b> HP LaserJet 550-sheet Paper Tray
	<b>LOH18A</b> HP LaserJet 2100 Sheet Paper Tray
	<b>LOH19A</b> HP LaserJet Printer Stand
	<b>LOH20A</b> HP LaserJet Stapler/Stacker/Mailbox
	<b>LOH21A</b> HP LaserJet Envelope Feeder
	<b>LOH22A</b> Extension Tray Cover
<b>Connectivity</b>	<b>J8030A</b> HP Jetdirect 3000w NFC/Wireless Accessory
	<b>J8031A</b> HP Jetdirect 2900nw Print Server
<b>Service and support</b>	<b>U9M20E</b> HP 3 year Next Business Day Hardware Support with Defective Media Retention for LaserJet Enterprise M609
	<b>U9M21E</b> HP 4 year Next Business Day Hardware Support with Defective Media Retention for LaserJet Enterprise M609
	<b>U9M22E</b> HP 5 year Next Business Day Hardware Support with Defective Media Retention for LaserJet Enterprise M609
	<b>U9NB4PE</b> HP 1 year Post Warranty Next Business Day Hardware Support with Defective Media Retention for LaserJet Enterprise M609
	<b>U9NB5PE</b> HP 2 year Post Warranty Net Business Day Hardware Support with Defective Media Retention for LaserJet Enterprise M609

## Technical specifications

Model	HP LaserJet Enterprise M609dn	HP LaserJet Enterprise M609x
<b>Product number</b>	K0Q21A	K0Q22A
<b>Functions</b>	Print	
<b>Control panel</b>	Rotating 6.86 cm (2.7 in) QVGA LCD (colour graphics) with 24 key pad.	10.92 cm (4.3 in) Colour Graphics Display (CGD) with touchscreen, rotating (adjustable angle) display, home button
<b>Print</b>		
Print technology	Laser	
Print speed <sup>1</sup>	<b>Black (A4, normal):</b> Up to 71 ppm; <b>Black (A4, duplex):</b> Up to 58 ppm	
First page out <sup>2</sup>	<b>Black (A4, ready):</b> As fast as 5.4 sec; <b>Black (A4, sleep):</b> As fast as 7.9 sec	
Print resolution	<b>Black (best):</b> Up to 1200 x 1200 dpi; <b>Technology:</b> FastRes 1200; 1200 x 1200 dpi	
Monthly duty cycle	Up to 300,000 pages (A4); <b>Recommended monthly page volume:</b> 5,000 to 30,000	
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 5 (HP PCL 5 driver available from the Web only), 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 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	
Duplex printing	Automatic (standard)	
<b>Processor speed</b>	1.2 GHz	
<b>Connectivity</b>		
Standard	1 Hi-Speed USB 2.0 Device; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet 10/100/1000T network	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; 1 Wi-Fi direct 802.11b/g/n; 1 Bluetooth low energy I/O
Optional	HP Jetdirect 2900nw Print Server J8031A; HP Jetdirect 3000w NFC/Wireless Accessory J8030A	
Mobile printing capability <sup>3</sup>	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	
<b>Memory</b>	<b>Standard:</b> 512 MB; <b>Maximum :</b> 1.5 GB, MAX memory, when 1GB Accessory DIMM is installed	
<b>Media handling</b>		
Number of paper trays	<b>Standard: 2; Maximum:</b> Up to 6	<b>Standard: 3; Maximum:</b> Up to 6
Media types	Paper (plain, light, bond, recycled, heavy, extra heavy, cardstock, pre-printed, pre-punched, colored, rough, heavy rough), monochrome transparency, labels, letterhead, envelope, heavy envelope	
Media size	<b>Custom (metric):</b> Feeder 1: 76 x 127 to 216 x 356 mm; Feeder 2: 99 x 148 to 216 x 356 mm <b>Supported (metric):</b> Feeder 1: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340 mm), 16K, envelopes (C5, B5, C6, DL ISO), Postcard (JIS single and double); Feeder 2: A4, A5, A5-R, B5 (JIS), 16K	<b>Custom (metric):</b> Feeder 1: 76 x 127 to 216 x 356 mm; Feeder 2: 99 x 148 to 216 x 356 mm; Feeder 3: 99 x 148 to 216 x 356 mm <b>Supported (metric):</b> Feeder 1: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340 mm), 16K, envelopes (C5, B5, C6, DL ISO), Postcard (JIS single and double); Feeder 2: A4, A5, A5-R, B5 (JIS), 16K; feeder 3: A4, A5, A5-R, B5 (JIS), 16K

Model	HP LaserJet Enterprise M609dn	HP LaserJet Enterprise M609x
Product number	K0Q21A	K0Q22A
Media handling	<b>Standard input:</b> 100-sheet multipurpose feeder, 550-sheet input feeder <b>Standard output:</b> 500 sheet output bin <b>Optional input:</b> Optional 1 x 550-sheet paper feeder, optional 1 x 550 paper feeder and stand with cabinet, optional 3 x 550-sheet paper feeder and stand, optional high-capacity paper feeder and stand with 1 x 550 sheet feeder and 1 x 2,000-sheet feeder	<b>Standard input:</b> 100-sheet multipurpose feeder, 550-sheet input feeder, 550 accessory feeder <b>Standard output:</b> 500 sheet output bin <b>Optional input:</b> Optional 1 x 550-sheet paper feeder, optional 1 x 550 paper feeder and stand with cabinet, optional 3 x 550-sheet paper feeder and stand, optional high-capacity paper feeder and stand with 1 x 550 sheet feeder and 1 x 2,000-sheet feeder
Media weight	Feeder 1: 60 to 199 g/m <sup>2</sup> ; Feeder 2: 60 to 120 g/m <sup>2</sup>	Feeder 1: 60 to 199 g/m <sup>2</sup> ; Feeder 2, 3: 60 to 120 g/m <sup>2</sup>
Input capacity	<b>Maximum:</b> Up to 4,400 sheets	
Output capacity	<b>Standard:</b> Up to 500 sheets Envelopes: Up to 75 envelopes Transparencies: 200 <b>Maximum:</b> Up to 1,300 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 (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	
<b>Dimensions and Weight</b>		
Printer dimensions (W x D x H)	<b>Minimum:</b> 431 x 466 x 380 mm; <b>Maximum:</b> 431 x 1040 x 453 mm	<b>Minimum:</b> 431 x 466 x 505 mm; <b>Maximum:</b> 431 x 1100 x 581 mm
Package dimensions (W x D x H)	597 x 497 x 539 mm	762 x 593 x 511 mm
Printer weight	21.6 kg	26.3 kg
Package weight	27.2 kg	33.80 kg
Operating environment	<b>Temperature:</b> 15 to 32.5°C; <b>Humidity:</b> 10 to 90% RH	
Storage	<b>Temperature:</b> -20 to 40°C; <b>Humidity:</b> 10 to 80% RH	
Power <sup>4</sup>	<b>Requirements:</b> 220V - 240V nominal; +/-10% (min 198V, Max 264V); 50 - 60Hz nominal +/- 3Hz (min 47Hz, max 63Hz), 6 A; <b>Power supply type:</b> 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, EN 55022:2010 (EU) - Class A, EN 61000-3-2:2006 +A1:2009 +A2:2009, EN 61000-3-3:2008, EN 55024:2010, EMC Directive 2004/108/EC; Other EMC approvals as required by individual countries ENERGY STAR <sup>®</sup> qualified; Blue Angel; CECP; EPEAT <sup>®</sup> Silver; EPEAT <sup>®</sup> Gold (optional)	CISPR 22:2008 (International) - Class A, EN 55022:2010 (EU) - Class A, EN 61000-3-2:2006 +A1:2009 +A2:2009, EN 61000-3-3:2008, EN 55024:2010, EMC Directive 2004/108/EC; Other EMC approvals as required by individual countries ENERGY STAR <sup>®</sup> qualified; Blue Angel; CECP; EPEAT <sup>®</sup> Silver
What's in the box <sup>5</sup>	HP LaserJet Enterprise M609dn Printer; HP Black Original LaserJet Toner Cartridge (11,000 yield); CD with software drivers and documentation; Documentation (hardware install guide); Power cord	HP LaserJet Enterprise M609x Printer; HP Black Original LaserJet Toner Cartridge (11,000 yield); 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 <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.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 after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep.

<sup>4</sup> Based on HP testing using the ENERGY STAR<sup>®</sup> programme's Typical Electricity Consumption (TEC) method or as reported in [energystar.gov](http://energystar.gov) versus the top three leading competitors as of 8/2015. Actual results may vary. For details see <http://www.hp.com/go/Ljclaims>.

<sup>5</sup> More pages versus predecessor cartridges claim based on page-yield comparison of HP 37X High Yield Black Original LaserJet Toner Cartridges with HP 87X High Yield Black Original LaserJet Toner Cartridges. For more information, see <http://www.hp.com/go/learnaboutsupplies>.

<sup>6</sup> HP 37X High Yield Black Original LaserJet Toner Cartridges not included; please purchase separately.

<sup>7</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.

## 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 11,000 black 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>



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

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