



# HP Color LaserJet Enterprise MFP M480f

## Small and mighty: HP's smallest Enterprise MFP

HP's entry-level Enterprise-class Color MFP with speeds up to 28 ppm<sup>10</sup> and strongest security.<sup>1</sup>



### Easy to use, simple to manage

- HP FutureSmart firmware can be updated with the latest features<sup>1</sup> to optimise your investment for years to come.
- Centralise control of your printing environment with HP Web Jetadmin – and help build business efficiency.<sup>2</sup>
- Easily enable workflows across your fleet with a consistent user experience and intuitive, tablet-like icons.
- Set up this MFP fast, and easily manage device settings to help increase efficiency.

### HP's most secure printing<sup>3</sup>

- The operating code (BIOS) is automatically checked during startup and repairs itself if compromised.
- Common Criteria certified<sup>4</sup> to continually monitor memory activity to detect and stop attacks in real time.
- Firmware is automatically checked during startup to determine if it's authentic code – digitally signed by HP.
- The printer's outgoing network connections are inspected to stop suspicious requests and thwart malware.
- Simplify collaboration and productivity with a streamlined MFP that supports how people work today: fast, nimble, and connected. Print premium colour documents businesses need to look professional day in and day out, plus scan and copy with ease.

### Enhanced productivity to empower work teams

- Give workgroups what they need to succeed with hundreds of HP and third-party solutions and card reader support.
- Optimise workflows, reduce steps and errors, and support mobile workers with optional MFP apps that meet your specific business needs.
- Help ensure the security of confidential information with PIN/Pull printing to retrieve print jobs.
- Stay connected with an optional accessory for wireless,<sup>6</sup> Bluetooth® Low Energy, and NFC touch-to-print.
- Easily manage projects directly at the MFP with a customisable 10.9 cm (4.3 inch) colour touchscreen.

### Sustainability is smart business

- Help save paper right out of the box. Two-sided (duplex) printing is set at default for automatic savings.<sup>7</sup>
- Help reduce wasted paper and toner by only printing jobs that are truly needed, using HP Roam for Business.<sup>8</sup>
- Save energy without sacrificing performance – this MFP is ENERGY STAR® and Blue Angel certified.
- Remove barriers and help meet compliance and accessibility standards with the HP Accessibility Kit (includes Braille overlay and tactile adhesives, an HP Access Handle, and BigKeys LX Keyboard) and compatibility with HP Accessibility Assistant.<sup>9</sup>

## Product walkaround

HP Color LaserJet Enterprise MFP M480f shown

1. 10.9 cm colour touchscreen
2. Easy-access USB port
3. 150 sheet output bin
4. Automatic two-sided printing (default)
5. Front door, access to Original HP Toner cartridges with JetIntelligence
6. 50 sheet multipurpose input tray 1
7. 250 sheet input tray 2
8. 50 sheet automatic document feeder (ADF)
9. Right door, access to print path
10. Convenient front on/off switch
11. Hi-Speed USB 2.0 port for third-party devices
12. Hi-Speed USB 2.0 printing port
13. Gigabit Ethernet network port



## Accessories, Supplies and Support

Supplies	W2030A HP 415A Black Original LaserJet Toner Cartridge (2,400 pages)
	W2030X HP 415X High Yield Black Original LaserJet Toner Cartridge (7,500 pages)
	W2031A HP 415A Cyan Original LaserJet Toner Cartridge (2,100 pages)
	W2031X HP 415X High Yield Cyan Original LaserJet Toner Cartridge (6,000 pages)
	W2032A HP 415A Yellow Original LaserJet Toner Cartridge (2,100 pages)
	W2032X HP 415X High Yield Yellow Original LaserJet Toner Cartridge (6,000 pages)
	W2033A HP 415A Magenta Original LaserJet Toner Cartridge (2,100 pages)
W2033X HP 415X High Yield Magenta Original LaserJet Toner Cartridge (6,000 pages)	
Accessories	2MU47A HP Accessibility Assistant
	2TD64A HP Accessibility Kit
	3JN69A HP Jetdirect 3100w BLE/NFC/Wireless Accessory
	4QL32A HP Legic Secure USB Reader
	8FP31A HP Jetdirect LAN Accessory
	B5L31A HP Foreign Interface Harness
	CF404A HP LaserJet 550-sheet Feeder Tray
X3D03A HP Universal USB Proximity Card Reader	
Y7C05A HP HIP2 Keystroke Reader	
Service and Support	U11F6E HP 3 year Next Business Day Color LaserJet Enterprise MFP M480 service
	U11F7E HP 4 year Next Business Day Color LaserJet Enterprise MFP M480 service
	U11F8E HP 5 year Next Business Day Color LaserJet Enterprise MFP M480 service
	U11FLE HP 3 year Channel Parts Only Color LaserJet Enterprise MFP M480 service
	U11FME HP 4 year Channel Parts Only Color LaserJet Enterprise MFP M480 service
	U11FNE HP 5 year Channel Parts Only Color LaserJet Enterprise MFP M480 service
	U11FPPE HP 1 year Post Warranty Next Business Day Color LaserJet Enterprise MFP M480 service
	U11FQPE HP 2 year Post Warranty Next Business Day Color LaserJet Enterprise MFP M480 service
	U11VHPE HP 1 year Post Warranty Channel Parts Only Color LaserJet Enterprise MFP M480 service
U11VJPE HP 2 year Post Warranty Channel Parts Only Color LaserJet Enterprise MFP M480 service	

## Technical specifications

<b>Model</b>	HP Color LaserJet Enterprise MFP M480f
<b>Product number</b>	3QA55A
<b>Functions</b>	Print, copy, scan, fax
<b>Control panel</b>	10.9 cm Colour Capacitive Touch Control Panel
<b>Print</b>	
<b>Print technology</b>	Laser
<b>Print speed<sup>1</sup></b>	<b>Black (A4, normal):</b> Up to 27 ppm; <b>Colour (A4, normal):</b> Up to 27 ppm; <b>Black (A4, duplex):</b> Up to 24 ipm; <b>Colour (A4, duplex):</b> Up to 24 ipm;
<b>First page out<sup>2</sup></b>	<b>Black (A4, ready):</b> As fast as 9.5 sec; <b>Colour (A4, ready):</b> As fast as 11.0 sec; <b>Black (A4, sleep):</b> As fast as 11.0 sec; <b>Colour (A4, sleep):</b> As fast as 12.1 sec;
<b>Print resolution</b>	<b>Black (best):</b> Up to 600 x 600 dpi; <b>Colour (best):</b> Up to 600 x 600 dpi; <b>Technology:</b> HP ImageREt 3600, Enhanced (600x600 dpi), Fine Lines (1200x1200 dpi), Quickview (300x300 dpi);
<b>Monthly duty cycle</b>	Up to 55,000 pages A4; <b>Recommended monthly page volume:</b> 900 to 4,800 pages
<b>Printer smart software features</b>	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB
<b>Standard print languages</b>	HP PCL 6, HP PCL 5, HP PostScript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™
<b>Fonts and typefaces</b>	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 available at <a href="http://www.hp.com/go/laserjetfonts">Http://www.hp.com/go/laserjetfonts</a>
<b>Print area</b>	<b>Print margins:</b> Top: 2 mm, Bottom: 2 mm, Left: 2 mm, Right: 2 mm; Maximum print area : 212 x 352 mm
<b>Duplex printing</b>	Automatic (default)
<b>Copy</b>	
<b>Copy speed</b>	<b>Black (A4):</b> Up to 27 cpm; <b>Colour (A4):</b> Up to 27 cpm
<b>Copier specifications</b>	Two-sided copying; Scalability; Image adjustments (darkness, contrast, background cleanup, sharpness); N-up; N or Z-ordering; Content orientation; Collation; Booklet; Job build; Edge-to-edge; Job storage; ID Copy; Book Copy; A-to-B Copy (different media sizes); <b>Maximum number of copies:</b> Up to 9999 copies; <b>Reduce/Enlarge:</b> 25 to 400%
<b>Scan</b>	
<b>Scan speed<sup>3</sup></b>	<b>Normal (A4):</b> Up to 29 ppm/46 ipm (black and white), up to 20 ppm/35 ipm (colour) ; <b>Duplex (A4):</b> Up to 46 ipm (black and white), up to 35 ipm (colour)
<b>Scanner specifications</b>	<b>Scanner type:</b> Flatbed, ADF; <b>Scan technology:</b> Contact Image Sensor (CIS); <b>Twain version:</b> Version 2.1; <b>Duplex ADF scanning:</b> Yes, single pass duplexing ADF; <b>Scan size maximum (flatbed, ADF):</b> 216 x 297 mm; <b>Optical scan resolution:</b> Up to 600 dpi
<b>Scanner advanced features</b>	Optimize text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect colour; Edge Erase; Job notification; Blank page suppression; HP Quick Sets
<b>Recommended monthly scan volume</b>	900 to 4800
<b>Scannable area</b>	<b>Maximum media size (flatbed):</b> 216 x 297 mm ; <b>Minimum media size (ADF):</b> 127 x 178 mm <b>Maximum media size (ADF):</b> 216 x 356 mm
<b>Bit depth/ Grey scale levels</b>	24-bit / 256
<b>Digital sending</b>	Standard: Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Scan-to-Sharepoint; Send to FTP; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF
<b>Fax</b>	
<b>Fax<sup>4</sup></b>	Yes, 33.6 kbps
<b>Fax specifications</b>	<b>Fax memory:</b> Dependent on the amount of available disk space; <b>Fax resolution:</b> Standard: 203 x 98 dpi; Fine: Up to 203 x 196 dpi; 256 levels of gray; Superfine: Up to 203 x 392 or 300 x 300 dpi; 256 levels of gray; <b>Quick dialing:</b> Up to 1000 numbers
<b>Fax smart software features</b>	Stored faxes; Fax archiving; Fax forwarding; Scale to fit; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule
<b>Processor speed</b>	800 MHz
<b>Connectivity</b>	
<b>Standard</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabyte Ethernet 10/100/1000T network; 1 FAX
<b>Optional</b>	HP Jetdirect LAN Accessory 8FP31A; HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A
<b>Wireless</b>	Optional, enabled with purchase of a wireless hardware accessory. Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A
<b>Mobile printing capability<sup>5</sup></b>	HP ePrint; Apple AirPrint™; Mopria™ Certified; Wi-Fi® Direct Printing; NFC Touch-to-print (optional); Roam capable for easy printing; PrinterOn Print
<b>Supported network protocols</b>	Via built-in networking solution: TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD, Web Services Printing, IPP 2.0, Apple AirPrint™, HP ePrint; Discovery: SLP, Bonjour, Web Services Discovery; IP Config: IPv4 (BootP, DHCP, AutoIP, Manual), IPv6 (Stateless Link-Local and via Router, Stateful via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPS, Syslog; Security: SNMPv3, SSL Cert Management, IPSec(IKEv1 and IKEv2), Firewall, 802.1x
<b>Network capabilities</b>	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); Second Ethernet port (Optional).
<b>Memory</b>	<b>Standard:</b> 2 GB ; <b>Maximum:</b> 2 GB
<b>Media handling</b>	
<b>Number of paper trays</b>	<b>Standard:</b> 2 ; <b>Maximum:</b> 3
<b>Media types</b>	Paper (bond, brochure, coloured, glossy, photo, plain, preprinted, prepunched, recycled, rough); Postcards; Labels; Envelopes
<b>Media size</b>	<b>Custom (metric):</b> Tray 1: 76 x 127 to 216 x 356 mm; Tray 2: 98 x 148 to 216 x 356 mm; Optional Tray: 98 x 148 to 216 x 356 mm <b>Supported (metric):</b> Tray 1: A4, RA4, A5, B5 (JIS), B6 (JIS), 10 x 15 cm, A6, 16K, envelopes (B5, C5 ISO, C6, DL ISO); Custom: 76 x 127 to 216 x 356 mm; Tray 2: A4; RA4; A5; B5 (JIS); B6 (JIS); 10 x 15 cm; A6; 16K; 98 x 148 to 216 x 356 mm; Optional Tray 3: A4; RA4; A5; B5 (JIS); B6 (JIS); 10 x 15 cm; A6; 16K; 98 x 148 to 216 x 356 mm <b>ADF:</b> Office; Statement; A4; RA4; A5; B5

<b>Model</b>	HP Color LaserJet Enterprise MFP M480f
<b>Product number</b>	3QA55A
<b>Media handling</b>	<b>Standard input:</b> 50 sheet multipurpose tray, 250 sheet input tray <b>Standard output:</b> 150 sheet output bin <b>Optional input:</b> Optional 550 sheet tray <b>ADF:</b> Standard, 50 sheets
<b>Media weight</b>	Tray 1: 60 to 176 g/m <sup>2</sup> (up to 200 g/m <sup>2</sup> with postcards and HP Color laser glossy photo papers); Tray 2: 60 to 163 g/m <sup>2</sup> (up to 176 g/m <sup>2</sup> with postcards, up to 200 g/m <sup>2</sup> HP Color laser glossy photo papers); Optional Tray 3: 60 to 163 g/m <sup>2</sup> (up to 176 g/m <sup>2</sup> with postcards, up to 150 g/m <sup>2</sup> Glossy media); Automatic duplexer: 60 to 163 g/m <sup>2</sup>
<b>Input capacity</b>	<b>Tray 1:</b> Sheets: 50; envelopes: 5 <b>Tray 2:</b> Sheets: 250; envelopes: 10 <b>Tray 3:</b> Sheets: 550 <b>Maximum:</b> Up to 850 sheets (with optional 550 sheet tray) <b>ADF:</b> Standard, 50 sheets
<b>Output capacity</b>	<b>Standard:</b> Up to 150 sheets Envelopes: Up to 20 envelopes <b>Maximum:</b> Up to 150 sheets
<b>Compatible operating systems</b>	Windows Client OS (32/64-bit): Win10, Win8.1, Win7 Ultimate; Mobile OS: iOS, Android; Mac: Apple® MacOS High Sierra v10.13, Apple® MacOS Mojave v10.14, Apple® MacOS Catalina v10.15; Discrete PCL6 Printer Driver: For more information on the supported operating systems go to <a href="http://www.support.hp.com">http://www.support.hp.com</a> , enter your product name and search, click on User Guides and enter your product name and search for User Guide, search for your (Product Name) - User Guide, Search for the Supported Operating Systems section, UPD PCL6 / PS Printer Drivers; Supported Operating systems: For more information on the supported operating systems see <a href="http://www.hp.com/go/upd">http://www.hp.com/go/upd</a>
<b>Compatible network operating systems</b>	Windows Server 2008 R2 64-bit, Windows Server 2008 R2 64-bit (SP1), Windows Server 2012 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016 64-bit, Windows Server 2019 64-bit, Citrix Server 6.5, Citrix XenApp & XenDesktop 7.6, Novell Print server; Citrix Ready Kit Certification: Up to Citrix Server 7.18, for more information see <a href="http://www.citrixready.citrix.com">http://www.citrixready.citrix.com</a> ; Linux: For more information see <a href="http://www.developers.hp.com/hp-linux-imaging-and-printing">http://www.developers.hp.com/hp-linux-imaging-and-printing</a> ; Unix: For more information see <a href="http://www.hp.com/go/linuxmodelscripts">http://www.hp.com/go/linuxmodelscripts</a>
<b>Minimum system requirements</b>	<b>Windows:</b> 2 GB available hard disk space Internet connection or USB port Internet browser. For additional OS hardware requirements see <a href="http://www.microsoft.com">http://www.microsoft.com</a> <b>Mac:</b> 2 GB available hard disk space Internet connection or USB port Internet browser. For additional OS hardware requirements see <a href="http://www.apple.com">http://www.apple.com</a>
<b>Software included</b>	No software solutions are included in the Box only on <a href="http://www.hp.com">http://www.hp.com</a> or <a href="http://www.123.hp.com">http://www.123.hp.com</a>
<b>Security management</b>	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, 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), SSL/TLS (HTTPS), Encrypted Credentials; Device: HP Sure Start Secure Boot (BIOS Integrity Checking with self-healing capability), Intrusion Detection (Constant in-device monitoring for attacks), Whitelisting (loads only known good code), Embedded Trusted Platform Module, HP Connection Inspector, Security lock slot, USB port disablement; Security management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs
<b>Printer management</b>	HP Printer Assistant, HP Web JetAdmin Software, HP JetAdvantage Security Manager, HP SNMP Proxy Agent (Part of HP WebJetAdmin), HP WS Pro Proxy Agent (Part of HP WebJetAdmin), Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)
<b>Dimensions and weight</b>	
Printer dimensions (W x D x H)	<b>Minimum</b> 415.4 x 472 x 399.8 mm; <b>Maximum:</b> 415.4 x 1124.4 x 656 mm (printer fully opened)
Package dimensions (W x D x H)	597 x 497 x 490 mm
Printer weight	23.2 kgs
Package weight	26.34 kg
<b>Operating environment</b>	<b>Temperature:</b> 15 to 32.5°C <b>Humidity:</b> 10 to 90%
<b>Storage conditions</b>	<b>Temperature:</b> -20 to 40°C
<b>Acoustics</b>	<b>Acoustic power emissions:</b> 6.1 B(A) (Printing at 27 ipm) <b>Acoustic pressure emissions:</b> 49 dB(A) (Printing at 27 ipm)
<b>Power</b>	<b>Requirements:</b> Input voltage: 100 to 127 VAC, 60 Hz, Input voltage: 200 to 240 VAC, 50 Hz (Not dual voltage, product varies by part number with # Option code identifier); <b>Consumption:</b> 581 watts (active printing), 21.9 watts (ready), 1.0 watts (sleep), 0.08 watts (auto-off/manual-on), 0.08 watts (manual off); <b>Typical Electricity Consumption (TEC):</b> Blue Angel: 1.051 kWh/week; Energy Star 3.0: 0.425 kWh/week; <b>Power supply type:</b> Internal (Built-in) power supply;
<b>Energy savings feature technology</b>	HP Auto-On/Auto-Off Technology; Instant-on Technology; Instant-on Copy
<b>Certifications<sup>6</sup></b>	CISPR 22:2008 (International) Class A, CISPR 32:2012 (International)/ EN 55032:2012, CISPR 35:2016 (International)/ EN 55035:2017, EN 55024:2010+A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013. Other EMC approvals as required by individual countries. EPEAT® Silver; CECP; ENERGY STAR® certified <b>Blue Angel compliant<sup>7</sup></b> Yes, Blue Angel DE-UZ 205—only ensured when using Original HP supplies <b>Telecom compliance:</b> ES 203 021-1 v2.1.1; ES 203 021-2 v2.1.2; ES 203 021-3 v2.1.2. Other Telecom approvals as required by individual countries.
<b>Country of origin</b>	Made in China
<b>What's in the box<sup>3</sup></b>	HP Color LaserJet Enterprise MFP M480f printer; HP Black Original LaserJet Toner Cartridge (~2,400 pages) HP Cyan, Magenta, Yellow Original LaserJet Toner Cartridges (~2,100 pages each); Getting started Guide; 1 Power cord
<b>Warranty</b>	One-year, On-site Repair 24-hour / 7 day a week phone support

## Footnotes

- <sup>1</sup> 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.
- <sup>2</sup> HP Web Jetadmin is free and available for download at <http://www.hp.com/go/webjetadmin>.
- <sup>3</sup> HP's most advanced embedded security features are available on HP Enterprise and HP Managed devices with HP FutureSmart firmware 4.5 or above. Claim based on HP review of 2019 published features of HP in-class printers. HP offers a combination of security features to automatically detect, stop, and recover from attacks with a self-healing reboot, in alignment with NIST SP 800-193 guidelines for device cyber resiliency. For a list of compatible products, visit <http://www.hp.com/go/PrintersThatProtect>.
- <sup>4</sup> Third-party certification based on Common Criteria Information Technology Security Evaluation ISO/IEC 15408 Standard requirements as of May 2019. Certification applicable to HP Managed and Enterprise devices running HP FutureSmart Firmware version 4.5.1 and later. For more information: <https://www.commoncriteriaportal.org/files/epfiles/Certification%20Report%20-%20HP%20Intrusion%20Detection.pdf>.
- <sup>5</sup> Use of the HP Trusted Platform Module may require a firmware upgrade.
- <sup>6</sup> Wireless performance is dependent on physical environment and distance from access point and may be limited during active VPN connections.
- <sup>7</sup> Dependent upon country setup specifications.
- <sup>8</sup> To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Subscription may be required. For more information, visit <http://www.hp.com/go/roam>.
- <sup>9</sup> Firmware upgrade required.

## 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> 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 <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, document complexity, media size, media orientation and media type.
- <sup>3</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
- <sup>4</sup> Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.
- <sup>5</sup> To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Customers can purchase the HP Jetdirect 3100w BLE/NFC/Wireless accessory or the RadBeacon USB. Subscription may be required. For more information, visit <http://www.hp.com/go/roam>.
- <sup>6</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.
- <sup>7</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 and 230V for Blue Angel.
- <sup>8</sup> For yield information on the cartridge(s) included with your printer, see <http://www.hp.com/go/toneryield>. Yield values measured in accordance with ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors.

