Data sheet

HP Color LaserJet Enterprise 6700dn Printer

Powerfully productive. Extraordinarily efficient.

Transform your workflows with advanced capabilities in a compact footprint. Customisable configurations from print speeds to colour panels[9] help to meet the needs of busy workgroups. All while protecting your business against evolving security threats.

This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: http://www.hp.com/learn/ds

Customisable and scalable solutions[1]
- Get the functionality you need with unprecedented, flexible configurations built to order. Optimise your device to meet your business needs and your budget.
- Choose built-in storage options including HDD and SSD drives to handle data and document stored on the device.

Fast and seamless digitisation
- Customise your print experience with cloud-connected HP Workpath apps. Access personalised content and integrate paper and digital workflows.[2]
- Give your team the tools to succeed with the HP Open Extensibility Platform containing hundreds of HP and third-party solutions, and card reader support.
- Make colour management simple with HP Custom Color Manager. Match colour output of any document-device combination by simply pulling colour profiles from the cloud. Get high-quality colour profiles without the hassle of expensive colour matching systems.[3]
- Targeted fusing technology[4] requires less energy and helps to reduce cooling requirements allowing for larger, faster colour print jobs.
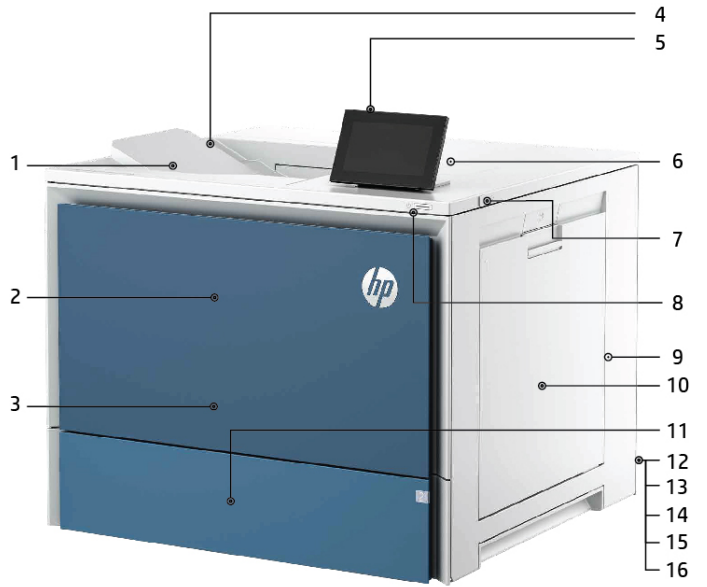
Everything you expect from an office printer
- Advanced workflow solutions makes this fully featured A4 printer the best choice for all your workgroup needs.
- Get everything done with fast print speeds up to 52 ppm.[5]
- Maintain productivity and stay up to date on the latest features across your fleet with upgradeable HP FutureSmart firmware.[6]
- Take control of your printing environment with HP Web Jetadmin[7] to help manage your fleet and build consistent print experiences.

Always on guard with HP Wolf Security
- With HP Sure Start always working behind the scenes, the operating code (BIOS) is automatically checked during start-up and repairs itself if compromised.
- HP Connection Inspector examines network connections. The printer's outgoing network connections are inspected to stop suspicious requests and thwart malware so you can stay connected and in the clear.
- Memory ShieldTM and expanded run-time intrusion detection protects memory and other applications. Common Criteria certified[8] to continually monitor memory activity, detect and stop zero-day attacks in real time [known/unknown] and self-heal.
- Minimise exposure with whitelisting checks, firmware that is automatically checked during start-up to determine if it's authentic code – digitally signed by HP.

Product walkaround

1. Automatic 2-sided printing
2. HP eMMC storage
3. Front door access to All-in-One toner cartridges
4. 500-sheet output bin supports media sizes up to A4
5. 10.9 cm color touchscreen display
6. Hardware Integration Pocket (for connecting accessories and third-party devices)
7. Easy-access USB port
8. Power button
9. Right door access to the print path
10. 100-sheet multipurpose tray 1 supports media sizes up to A4
11. 550-sheet tray 2 supports media sizes up to A4
12. Slot for cable-type security lock
13. SuperSpeed USB 3.0 Host Port
14. Hi-Speed USB 2.0 Host Port
15. Gigabit Ethernet Port
16. SuperSpeed 3.0 device port

Series at a glance

Model	HP Color LaserJet Enterprise 6700dn Printer
Product number	6QN33A
Functions	Print
Print speed	52 ppm
Control panel	10.9 cm color touchscreen display
RMPV	Up to 14,000 pages per month
Input capacity	650/3,850 (std/max)
Output capacity (standard)	500-sheets
Processor	Dual-core 1.2 GHz
Workpath enabled	Yes (with 4GB upgrade)
Extensibility	HP FutureSmart 5, OXPd

Accessories, Supplies and Support

Supplies	**527F9A** HP LaserJet Toner Collection Unit 150,000 pages **527G3A** HP LaserJet 220V Enhanced Fuser Kit 200,000 pages **527G8A** HP LaserJet Image Transfer Belt 225,000 pages **527G9A** HP LaserJet Image Transfer Belt 225,000 pages **527H2A** HP LaserJet Tray 2 Roller Kit 150,000 pages **527H3A** HP LaserJet MP Tray Roller Kit 150,000 pages **W2130A** HP 213A Black Original LaserJet Toner Cartridge Average cartridge yields 3,500 standard pages. Declared yield value in accordance with ISO/IEC 19752 **W2130X** HP 213X High Yield Black Original LaserJet Toner Cartridge Average cartridge yields 9,000 standard pages. Declared yield value in accordance with ISO/IEC 19752 **W2130Y** HP 213Y Extra High Yield Black Original LaserJet Toner Cartridge Average cartridge yields 18,000 standard pages. Declared yield value in accordance with ISO/IEC 19752 **W2131A** HP 213A Cyan Original LaserJet Toner Cartridge 3,000 standard pages in accordance with ISO/IEC 19752 **W2131X** HP 213X High Yield Cyan Original LaserJet Toner Cartridge 6,000 standard pages in accordance with ISO/IEC 19752 **W2131Y** HP 213Y Extra High Yield Cyan Original LaserJet Toner Cartridge 12,000 standard pages in accordance with ISO/IEC 19752 **W2132A** HP 213A Yellow Original LaserJet Toner Cartridge 3,000 standard pages in accordance with ISO/IEC 19752 **W2132X** HP 213X High Yield Yellow Original LaserJet Toner Cartridge 6,000 standard pages in accordance with ISO/IEC 19752 **W2132Y** HP 213Y Extra High Yield Yellow Original LaserJet Toner Cartridge 12,000 standard pages in accordance with ISO/IEC 19752 **W2133A** HP 213A Magenta Original LaserJet Toner Cartridge 3,000 standard pages in accordance with ISO/IEC 19752 **W2133X** HP 213X High Yield Magenta Original LaserJet Toner Cartridge 6,000 standard pages in accordance with ISO/IEC 19752 **W2133Y** HP 213Y Extra High Yield Magenta Original LaserJet Toner Cartridge 12,000 standard pages in accordance with ISO/IEC 19752 **W2140Z** HP 214Z Ultra High Yield Black Original LaserJet Toner Cartridge Average cartridge yields 31,000 standard pages. Declared yield value in accordance with ISP/IEC 19752. **W2141Z** HP 214Z Ultra High Yield Cyan Original LaserJet Toner Cartridge 26,000 standard pages in accordance with ISO/IEC 19752 **W2142Z** HP 214Z Ultra High Yield Yellow Original LaserJet Toner Cartridge 26,000 standard pages in accordance with ISO/IEC 19752 **W2143Z** HP 214Z Ultra High Yield Magenta Original LaserJet Toner Cartridge 26,000 standard pages in accordance with ISO/IEC 19752
Accessories	**1M8J0A** HP 4GB DDR3Lx64 204-pin 933MHz DIMM **1M8J1A** HP 4GB DDR3Lx64 204-pin 933MHz DIMM TAA **2NR12A** HP Removable Hard Drive Enclosure **35H11A** HP HID Mobile Access Mifare DES Fire Keystroking Reader **3JN69A** HP Jetdirect 3100w BLE/NFC/Wireless Accessory **478C2A** HP Printing Voice Assistant **4QL32A** HP Legic Secure USB Reader **4XN67A** Internal USB Expansion Kit **616G9A** HP LaserJet A5 HCI Guide Kit **616H0A** HP LaserJet Statement HCI Guide Kit **65A28A** HP Color LaserJet Constellation Yellow 550 sheet Paper Tray **65A29A** HP Color LaserJet Cosmic Green 550 sheet Paper Tray **65A30A** HP Color LaserJet Aurora Purple 550 sheet Paper Tray **65A31A** HP Color LaserJet Comet Red 550 sheet Paper Tray **65A32A** HP Color LaserJet Lunar Gray 550 sheet Paper Tray **65A33A** HP Color LaserJet Constellation Yellow 2100 sheet High Capacity Paper Tray/Stand **65A34A** HP Color LaserJet Cosmic Green 2100 sheet High Capacity Paper Tray/Stand **65A35A** HP Color LaserJet Aurora Purple 2100 sheet High Capacity Paper Tray/Stand **65A36A** HP Color LaserJet Comet Red 2100 sheet High Capacity Paper Tray/Stand **65A37A** HP Color LaserJet Lunar Gray 2100 sheet High Capacity Paper Tray/Stand **65A38A** HP Color LaserJet Constellation Yellow Storage Stand **65A39A** HP Color LaserJet Cosmic Green Storage Stand **65A40A** HP Color LaserJet Aurora Purple Storage Stand **65A41A** HP Color LaserJet Comet Red Storage Stand **65A42A** HP Color LaserJet Lunar Gray Storage Stand **6QN54A** HP Color LaserJet Stand **6QN55A** HP Color LaserJet Storage Stand **6QN57A** HP Color LaserJet 550-sheet Media Tray **6QN58A** HP Color LaserJet 2100 HCI Feeder and Stand **766R7A** HP LaserJet 512 GB SED-TAA Full Kit SSD **8FP31A** HP Jetdirect LAN Accessory **9EQ11A** HP 500GB CCC, FIPS Hard Disk Drive **X3D03A** HP USB Universal Card Reader **Y7C05A** HP HIP2 Keystroke Reader
Service and Support	**U45RJE** HP 3 year Next Business Day Service with Defective Media Retention for Color LaserJet Ent 670x **U45RKE** HP 4 year Next Business Day Service with Media Retention for Color LaserJet Ent 670x **U45RLE** HP 5 year Next Business Day Service with Media Retention for Color LaserJet Ent 670x **U45RVE** HP 3 year Parts Only Service with Defective Media Retention for Color LaserJetEnt670x **U45RWE** HP 4 year Parts Only Service with Defective Media Retention for Color LaserJetEnt670x **U45RXE** HP 5 year Parts Only Service with Defective Media Retention for Color LaserJetEnt670x **U45RYPE** HP 1 year Post Warranty Next Business Day Service with Defective Media Retention for Color LaserJet Ent 670x **U45S4PE** HP 1 year Post Warranty Parts Only Service with Defective Media Retention for Color LaserJetEnt670x

Technical specifications

Model	HP Color LaserJet Enterprise 6700dn Printer
Product number	6QN33A
Functions	Print
Control panel	4.3 in (10.9 cm) touchscreen with colour graphics
Print	
Print technology	Laser
Print speed[5]	**Black (A4, normal)**: Up to 52 ppm **Colour (A4, normal)**: Up to 52 ppm ; **Black (A4, duplex)**: Up to 52 ipm **Colour (A4, duplex)**: Up to 52 ipm
First page out[7]	**Black (A4, ready)**: As fast as 6.5 sec **Colour (A4, ready)**: As fast as 7.4 sec ; **Black (A4, sleep)**: As fast as 8.9 sec **Colour (A4, sleep)**: As fast as 9.3 sec
Print resolution	**Black (best)**: Up to 1200 x 1200 dpi **Colour (best)**: Up to 1200 x 1200 dpi ; **Technology**: HP ImageREt 3600, Enhanced (600x600 dpi), Fine Lines (1200x1200 dpi), Quickview (300x300 dpi)
Monthly duty cycle	Up to 100,000 pages A4; **Recommended monthly page volume**: 2000 to 14,000
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 4.3 in (10.9 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 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 https://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; Maximum print area : 207.4 x 1191.4 mm
Duplex printing	Automatic
Processor speed	1.2 GHz
Connectivity	
Standard	1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host); 1 Hi-Speed USB 2.0 (host); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2)
Optional	HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A; HP Jetdirect LAN Accessory 8FP31A
Mobile printing capability	Apple AirPrint™; NFC touch-to-print (optional); 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™, 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	Standard, 16 GB eMMC; Optional, 32 GB eMMC (via CTO); Optional, minimum 500 GB HDD; Optional, 256 GB SSD (via CTO)
Memory	**Standard**: 2 GB ;**Maximum**: 6 GB
Media handling	
Number of paper trays	**Standard**: 2 ;**Maximum**: up to 6
Media types	Paper (plain, light, intermediate, light bond, 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: 64 x 127 to 216 x 1200 mm; Tray 2, optional 1x550-sheet feeders: 101 x 148 to 216 x 356 mm; optional 2,100-sheet high-capacity feeder: 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, optional 1x550-sheet feeders: A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio, 16k, Dpostcard (JIS); optional 2,100-sheet high-capacity feeder: A4; A5 (with optional accessory)
Media handling	**Tray 1:** Paper: 100 sheets of 75 gsm media; Envelopes: 10 **Tray 2:** Paper: 550 sheets **Maximum:** Up to 3850 sheets
Media weight	Value is confirmed Tray 1: 60 to 220 g/m² (plain), 120 to 220 g/m² (glossy); Tray 2: 60 to 220 g/m² (plain), 120 to 220 g/m² (glossy); optional 550-sheet input trays: 60 to 220 g/m² (plain), 120 to 220 g/m² (glossy); optional 2,100-sheet high-capacity feeder: 60 to 220 g/m² (plain)
Input capacity	**Standard input:** 100-sheet multi-purpose tray, 550-sheet input tray 2 **Standard output:** 500-sheet output bin **Optional input:** Optional 1x550-sheet paper feeder, optional Stand and storage unit, optional caster base stand, optional 2100-sheet HCI Feeder and Stand
Output capacity	**Standard:** Up to 500 sheets **Maximum:** Up to 500 sheets
Compatible operating systems	Windows 11; Windows 10; Windows Server; Windows Client OS; Android; iOS; Mobile OS; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; Linux; Citrix; Chrome OS; UNIX; Novell; SAP
Compatible network operating systems	Windows Server; Linux; Citrix; UNIX; Novell; SAP
Minimum system requirements	**Windows**: 2 GB available hard disk space; Internet connection; or USB port; Internet browser. For additional OS hardware requirements see microsoft.com; **Mac**: 2 GB available hard drive space; Internet connection; or USB port; Internet browser. For additional OS hardware requirements see apple.com;
Software included	No software solutions are included in the Box only on http://hp.com http://123.hp.com;
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; Hardware-based Memory ShieldTM with Control Flow Integrity (CFI) 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 Device Security Syslog Messages processed and accessable in Arcsight and Splunk SIEMs
Printer management	HP Web JetAdmin; Embedded Web Server; HP Security Manager; HP Insights; HP Advance; HP Command Center; HP Smart Device Services (SDS)

Technical specifications

Model	HP Color LaserJet Enterprise 6700dn Printer
Product number	6QN33A
Dimensions and weight	
Printer dimensions (W x D x H)[8]	**Minimum** 500 x 460 x 415mm; **Maximum**: 860 x 770 x 470mm
Package dimensions (W x D x H)	498 x 598 x 652 mm
Printer weight	31.14 kg
Package weight	34.3 kg
Operating environment	**Temperature**: 10 to 32.5°C **Humidity**: 30 to 70% RH
Storage conditions	**Temperature**: -20 to 40°C
Acoustics	**Acoustic power emissions**: 6.6 B(A) **Acoustic pressure emissions**: 54 dB(A)
Power	**Requirements**: 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; **Consumption**: 708 watts (Printing/Copying), 47.3 watts (Ready), 1.23 watts (Sleep), 0.08 watts (Auto Off/Manual On), 0.08 watts (Manual Off); **Typical Electricity Consumption (TEC)**[2]: 0.699 kWh/week (Energy Star 3.0); 0.679 kWh/week (Blue Angel); **Power supply type**: Built in 110V or 220 V Power Supply (not dual voltage, power supply varies by part number with option code identifier)
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology; Low-power sleep mode; Power save
Certifications	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+A11:2020 (EU) - Class A; CISPR 35:2016 (International); EN 55035:2017+A11:2020; EN IEC 61000-3-2:2019; EN 61000-3-3:2013+A1:2019+A2:2021; FCC CFR 47 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 registered; SEPA; KOECO **Blue Angel compliant**[3] Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies
Sustainable impact specifications	5% post-consumer recycled plastic; EPEAT® registered; ENERGY STAR® certified
Country of origin	Made in Japan
What's in the box[1]	6QN33A HP Color LaserJet Enterprise 6700dn Printer; HP Black Original LaserJet Toner Cartridge (~7,000 yield), HP Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (~6,000 yield each) (toner cartridges installed); 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 http://hp.com/support to learn about HP award winning service and support options in your region.

Footnotes

[1] To learn more about configure to order options, contact your HP or Partner Representative.

[2] Not all MFPs may be compatible with Workpath apps. To enable HP Workpath, some devices may require optional accessory or firmware to be upgraded. Not all apps may be available in all locations. Subscription may be required. Personalised content and integration functions are applicable to supported HP Workpath apps only.

[3] Contact your HP or your Partner Representative to learn more about Custom Color Manager.

[4] Targeted fusing technology comes standard on the 6000/X600 series bundles and is offered as an optional service part on the 5000/X500 series.

[5] 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.

[6] 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.

[5] HP Web Jetadmin is available for download at no additional charge at https://www.hp.com/go/wja .

[8] Third-party certification based on Common Criteria Information Technology Security Evaluation ISO/IEC 15408 Standard requirements as of May 2019-2024. 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 Report - HP Intrusion Detection.pdf.

[9] This product comes with Atmosphere Blue (standard) panels. Panels in other colors (Constellation Yellow, Comet Red, Aurora Purple, Lunar Grey, Cosmic Green) are only available transactionally via HP Configure to Order, or contractually via Managed Print Services. Models offered in China have Lunar Grey (standard) instead of Atmosphere Blue. Please contact your HP or partner representative to learn more about customizable color panels.

Technical specifications disclaimers

[1] For yield information on the cartridge(s) included with your printer, see https://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.

[2] Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).

[3] 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.

[4] Declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see https://www.hp.com/go/toneryield

[5] 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.

[6] 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.

[7] Measured using ISO/IEC 17629. For more information see https://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

[8] Maximum dimensions means doors, paper trays, and ADF (if applicable) are fully open.