Datasheet | NA

HP Color LaserJet Enterprise MFP M480 series

HP's entry-level Enterprise-class Color MFP with speeds up to 28 ppm[9] and strongest security.[1]

HP's entry-level Enterprise-class Color MFP with speeds up to 28 ppm[9] and strongest security.[1]

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

HP Color LaserJet Enterprise MFP M480f

Easy to use, simple to manage

- HP FutureSmart firmware can be updated with the latest features[2] to optimize your investment for years to come.
- Centralize control of your printing environment with HP Web Jetadmin—and help build business efficiency.[3]
- 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.

The world's most secure printing[1]

- The operating code (BIOS) is automatically checked during startup and repairs itself if compromised.
- Common Criteria certified[4] 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.

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.
- Optimize 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,[6] Bluetooth® Low Energy, and NFC touch-to-print.

Sustainability is smart business

- Help save paper right out of the box. Two-sided (duplex) printing is set at default for automatic savings.[7]
- Help reduce wasted paper and toner by only printing jobs that are truly needed, using HP Secure Print.[8]
- 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.[8]

[1] HP's most advanced embedded security features are available on HP Managed and Enterprise devices with HP FutureSmart firmware 4.5 or above. Claim based on HP review of 2019 published features of competitive in-class printers. Only 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 hp.com/go/PrintersThatProtect. For more information, visit hp.com/go/PrinterSecurityClaims
[2] 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.
[3] HP Web Jetadmin is free and available for download at hp.com/go/webjetadmin
[4] 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
[5] Use of the HP Trusted Platform Module may require a firmware upgrade.
[6] Wireless performance is dependent on physical environment and distance from access point and may be limited during active VPN connections.
[7] Dependent upon country setup specifications.
[8] HP Secure Print is optional and requires a license.
[9] 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.
[10] 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.

Product walkaround

1. 4.3-inch (10.9 cm) color touchscreen
2. Easy-access USB port[1]
3. 150-sheet output bin
4. Automatic two-sided printing (default)[1]
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

Series at a glance

Model	HP Color LaserJet Enterprise MFP M480f
Product number	3QA55A
Print speed (Letter/A4)[3]	Up to 29/27 ppm
First page out (Letter/A4)[4]	As fast as 9.3/9.5 seconds mono, 10.9/11.0 seconds color
First copy out (Letter/A4)	As fast as 9.5/9.6 seconds mono, 11.2/11.3 seconds color
Control panel	4.3" (10.9 cm) color touchscreen
Memory	2 GB
Storage	16 GB eMMC
Automatic two-sided printing (default)[2]	√
Input capacity (standard/maximum)	Up to 300/850 sheets
50-sheet input tray 1	√
250-sheet input tray 2	√
550-sheet input tray 3	Optional
Recommended monthly page volume (RMPV)[5]	900 to 4,800 pages
Duty cycle	Up to 55,000 pages
Cartridge yields (black/color)	2,400/2,100 pages (A) or 7,500/6,000 pages (X)
Dual-band Wi-Fi with Bluetooth® Low Energy, Wi-Fi Direct®[6]	Optional
ENERGY STAR® qualified	√

[1] An administrator must enable the easy-access USB port before use.
[2] Automatic two-sided printing dependent upon country setup specifications.
[3] Print speed measured using ISO/IEC 24734, excludes first set of test documents. For more information, see hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
[4] First page out measured using ISO/IEC 17629. For more information see hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
[5] HP recommends that the number of pages per month of imaged output be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.
[6] 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. Wi-Fi Direct is a registered trademark of Wi-Fi Alliance. For details, see hp.com/go/mobileprinting.

HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. HP Care Pack Services provide a comprehensive suite of protection services designed to keep HP hardware and software up and running so employees can stay productive.

For carepack availability visit: hp.com/go/cpc

Top features

Set up work teams for success without adding more to your plate. Help people handle business wherever it happens while giving IT fleet-wide control it needs, using a compact MFP built for simple use and management.

HP printers have the industry's strongest security[1] because they're always on guard, continually stopping threats while adapting to new ones. And only HP printers can automatically self-heal from attacks, so IT doesn't need to intervene.

Simplify collaboration and productivity with a streamlined MFP that supports how people work today: fast, nimble, and connected. Print premium color documents businesses need to look professional day in and day out, plus scan and copy with ease.

Business is all about resource management, and finding efficiencies is everyone's responsibility. This compact MFP is designed for low energy use, to help people complete tasks quickly while conserving wherever possible.

Accessories

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
CC543B	HP SmartCard NIPRNet Solution for US Government
CF404A	HP LaserJet 550-sheet Feeder Tray
X3D03A	HP USB Universal Card Reader
Y7C05A	HP HIP2 Keystroke Reader

Supplies

W2020A	HP 414A Black Original LaserJet Toner Cartridge 1 Black (~2,400 pages)
W2020X	HP 414X High Yield Black Original LaserJet Toner Cartridge 1 Black (~7,500 pages)
W2021A	HP 414A Cyan Original LaserJet Toner Cartridge 1 Cyan (~2,100 pages)
W2021X	HP 414X High Yield Cyan Original LaserJet Toner Cartridge 1 Cyan (~6,000 pages)
W2022A	HP 414A Yellow Original LaserJet Toner Cartridge 1 Yellow (~2,100 pages)
W2022X	HP 414X High Yield Yellow Original LaserJet Toner Cartridge 1 Yellow (~6,000 pages)
W2023A	HP 414A Magenta Original LaserJet Toner Cartridge 1 Magenta (~2,100 pages)
W2023X	HP 414X High Yield Magenta Original LaserJet Toner Cartridge 1 Magenta (~6,000 pages)

Solutions

Overview: The HP Solutions portfolio provides a broad array of solutions designed to work with many HP printers and MFPs. They can help improve productivity, safeguard your data, and drive down costs. Helping employees and your IT team work more efficiently.

Workflow: HP Capture & Route; Embedded send-to-email

Security: HP JetAdvantage Security Manager fleet security compliance and management; HP Access Control; HP JetAdvantage Secure Print; Card readers; Secure Encrypted Print (UPD)

Mobile and universal print: HP Universal Print Driver (UPD)

Management: HP Web JetAdmin; HP JetAdvantage Security Manager; HP JetAdvantage Insights

Services

U11F6E - HP 3y NBD CLJ Ent MFP M480 SVC
U11F8E - HP 5y NBD CLJ Ent MFP M480 SVC
U11F9E - HP 3y 4h 9x5 CLJ Ent MFP M480 SVC
U11FCE - HP 5y 4h 9x5 CLJ Ent MFP M480 SVC
U11FDE - HP 3y 4h 13x5 CLJ Ent MFP M480 SVC
U11FGE - HP 5y 4h 13x5 CLJ Ent MFP M480 SVC
U11FHE - HP 3y NBDOnsiteExch CLJ Ent MFP M480 SVC
U11FKE - HP 5y NBDOnsiteExch CLJ Ent MFP M480 SVC
U11FLE - HP 3y ChnlPartsOnly CLJ Ent MFP M480 SVC
U11FNE - HP 5y ChnlPartsOnly CLJ Ent MFP M480 SVC
U11FPPE - HP 1y PW NBD CLJ Ent MFP M480 SVC
U11FQPE - HP 2y PW NBD CLJ Ent MFP M480 SVC
U11FRPE - HP 1y PW 4h 9x5 CLJ Ent MFP M480 SVC
U11FSPE - HP 2y PW 4h 9x5 CLJ Ent MFP M480 SVC
U11FTPE - HP 1y PW 4h 13x5 CLJ Ent MFP M480 SVC
U11VFPE - HP 2y PW 4h 13x5 CLJ Ent MFP M480 SVC
U11VGPE - HP1yPWNBDOnsiteExch CLJ Ent MFP M480 SVC
U11VHPE - HP1yPWChnlPartsOnly CLJ Ent MFP M480 SVC
U11VJPE - HP2yPWChnlPartsOnly CLJ Ent MFP M480 SVC
U9JT3E - HP Inst SVC w/nw Department Printer

[1] HP's most advanced embedded security features are available on HP Managed and Enterprise devices with HP FutureSmart firmware 4.5 or above. Claim based on HP review of 2019 published features of competitive in-class printers. Only 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 hp.com/go/PrintersThatProtect. For more information, visit hp.com/go/PrinterSecurityClaims
[2] 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.
[3] HP Web Jetadmin is free and available for download at hp.com/go/webjetadmin
[4] 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
[5] Use of the HP Trusted Platform Module may require a firmware upgrade.
[6] Wireless performance is dependent on physical environment and distance from access point and may be limited during active VPN connections.
[7] Dependent upon country setup specifications.
[8] HP Secure Print is optional and requires a license.
[9] 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.
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HP Color LaserJet Enterprise MFP M480 series

Model	HP Color LaserJet Enterprise MFP M480f
Product number	3QA55A
AIO functions	Print, copy, scan, fax
Print	
Print speed[7,8,6]	**First page out Letter:** As fast as 9.3 sec Black; As fast as 10.9 sec Color; **First page out A4:** As fast as 9.5 sec Black; As fast as 11.0 sec Color; **Letter:** Up to 29 ppm Black; Up to 29 ppm Color; **A4:** Up to 27 ppm Black; Up to 27 ppm Color; **2-sided Letter:** Up to 25 ipm Black; Up to 25 ipm Color; **2-sided A4:** Up to 24 ipm Black; Up to 24 ipm Color; **Print speed (Landscape, A5):** Up to 49 ppm Black; Up to 49 ppm Color
Print resolution	**Black (best)** Up to 600 x 600 dpi; **Black (normal)** Up to 600 x 600 dpi **Color (best):** Up to 600 x 600 dpi; **Color (normal):** Up to 600 x 600 dpi
Print technology	Laser; **Print resolution technology:** HP ImageREt 3600, Enhanced (600x600 dpi), Fine Lines (1200x1200 dpi), Quickview (300x300 dpi)
Print cartridges number	4 (1 each black, cyan, magenta, yellow)
Standard print languages	HP PCL 6, HP PCL 5, HP PostScript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™
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
Printer management	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);
Scan	
Scan type / Technology	**Type:** Flatbed, ADF; **Technology:** Contact Image Sensor (CIS); **Twain version:** Version 2.1
Scan resolution	**Hardware:** Up to 600 x 600 dpi; **Optical:** Up to 600 dpi
Scan Size	**ADF:** 8.5 x 14 in Maximum; 5 x 7 in Minimum; **Flatbed:** 8.5 x 11.7 in
Scan speed[11]	Up to 31 ppm/49 ipm (b&w), up to 21 ppm/37 ipm (color) Letter; Up to 29 ppm/46 ipm (b&w), up to 20 ppm/35 ipm (color) A4; **Duplex:** Up to 49 ipm (b&w), up to 37 ipm (color) Letter; Up to 46 ipm (b&w), up to 35 ipm (color) A4
Scanner advanced features	Optimize text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect color; Edge Erase; Job notification; Blank page suppression; HP Quick Sets; PDF; GIF; JPG; MTIFF
Bit depth / Grayscale levels	24-bit / 256
Digital sending standard features [12]	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; Scan to Onedrive; Scan to Onedrive for Business; Scan to Sharepoint Online
Copy	
Copy speed	**Letter:** Up to 28 cpm Black; Up to 28 cpm Color; **A4:** Up to 27 cpm Black; Up to 27 cpm Color; **First copy out Letter:** As fast as 9.5 sec Black; As fast as 11.2 sec Color; **First copy out A4:** As fast as 9.6 sec Black; As fast as 11.3 sec Color; **2-sided Letter:** Up to 25 cpm Black; Up to 25 cpm Color; **2-sided A4:** Up to 24 cpm Black; Up to 24 cpm Color
Copy resolution	**Color (text and graphics):** Up to 600 x 600 dpi
Maximum Number of Copies	Up to 9999 copies
Copier resize	25 to 400%
Copier settings	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)
Fax	
Fax speed[5]	**Up to:**33.6 kbps (maximum); 14.4 kbps (default) / **Letter:**3 sec per page
Fax resolution	**Black (best):** Up to 300 x 300 dpi; **Black (standard):** 203 x 98 dpi
Fax smart software features	Stored faxes; Fax archiving; Fax forwarding; Scale to fit; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule
Fax Features	**Fax memory:** Dependent on the amount of available disk space; **Auto fax reduction supported:** Yes; **Auto-redialing:** Yes; **Fax delayed sending:** No; **Distinctive ring detection supported:** No; **Fax forwarding supported:** Yes; **Fax phone TAM interface supported:** No; **Fax polling supported:** Yes (poll to receive only); **Fax telephone mode supported:** No; **Junk barrier supported:** Yes, as blocked fax numbers; **Maximum speed dialing numbers:** Up to 1000 numbers; **PC interface supported:** Yes, software not included; **Remote retrieval capability supported:** No; **Telephone handset supported:** No
Connectivity	
Standard connectivity	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabyte Ethernet 10/100/1000T network; 1 FAX
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); second Ethernet port (Optional); Microsoft Universal Print (MUP) support
Wireless capability	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
Mobile printing capability	HP ePrint; Apple AirPrint™; NFC Touch-to-print (optional); PrinterOn Print; Mopria™ certified
Memory	**Standard:** 2 GB; **Maximum:** 2 GB
Processor speed	800 MHz
Storage	16 GB eMMC
Duty cycle (monthly)	**Letter:** Up to 55,000 pages; **A4:** Up to 55,000 pages; **Recommended monthly page volume:** 900 to 4,800 pages

HP Color LaserJet Enterprise MFP M480 series

Model	HP Color LaserJet Enterprise MFP M480f
Product number	3QA55A
Paper handling	
Input	**Standard:** 50-sheet multipurpose tray, 250-sheet input tray; Up to 300 sheets ; Up to 15; **Maximum:** Up to 850 sheets (with optional 550-sheet tray)
Output	**Standard:** 150-sheet output bin; Up to 150 sheets Standard
Duplex Options	Automatic (default)
Auto document feeder capacity	Standard, 50 sheets; **Duplex ADF scanning:** Yes, single pass duplexing ADF
Envelope feeder	No
Standard paper trays	**Standard:** 2; **Maximum:** 3
Media types	Paper (bond, brochure, colored, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough), postcards, labels, envelopes
Media weight	Tray 1: 16 to 47 lb bond (up to 52 lb with HP Color laser glossy photo papers); Tray 2: 16 to 43 lb bond (up to 47 lb with postcards, up to 52 lb with HP Color laser glossy photo papers); optional Tray 3: 16 to 43 lb bond (up to 47 lb with postcards, up to 40 lb with HP Color laser glossy photo papers); Automatic duplexer: 16 to 43 lb
Media sizes	Tray 1: letter, legal, oficio, executive, statement, 4 x 6, 3 x 5, 5 x 7, 5 x 8, postcard (JIS), double postcard (JIS), 8.5 x 13, envelope (commercial No. 9, No. 10, Monarch); Custom: 3 x 5 to 8.5 x 14 in; Tray 2: letter, executive, statement, 4 x 6, 5 x 7, 5 x 8, double postcard (JIS); Custom: 3.9 x 5.8 to 8.5 x 14 in; Optional Tray 3: letter, executive, statement, 4 x 6, 5 x 7, 5 x 8, double postcard (JIS); Custom: 3.9 x 5.8 to 8.5 x 14 in
Media Sizes Custom	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 3.9 x 5.8 to 8.5 x 14 in; Optional Tray 3: 3.9 x 5.8 to 8.5 x 14 in
Dimensions (W x D x H)	16.4 x 18.6 x 15.7 in; 415.4 x 472 x 399.8 mm; **Maximum:** 16.4 x 44.3 x 25.8 in (printer fully opened); 415.4 x 1124.4 x 656 mm (printer fully opened)
Weight	51.2 lbs; 23.2 kgs
What's in the box[1]	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
Replacement cartridges[2]	HP 414A Black Original LaserJet Toner Cartridge (~2,400 pages) W2020A HP 414A Cyan Original LaserJet Toner Cartridge (~2,100 pages) W2021A HP 414A Yellow Original LaserJet Toner Cartridge (~2,100 pages) W2022A HP 414A Magenta Original LaserJet Toner Cartridge (~2,100 pages) W2023A HP 414X High Yield Black Original LaserJet Toner Cartridge (~7,500 pages) W2020X HP 414X High Yield Cyan Original LaserJet Toner Cartridge (~6,000 pages) W2021X HP 414X High Yield Yellow Original LaserJet Toner Cartridge (~6,000 pages) W2022X HP 414X High Yield Magenta Original LaserJet Toner Cartridge (~6,000 pages) W2023X
Orderable supplies	
Warranty features	One-year, On-site Repair 24-hour / 7 day a week phone support
Energy star certified	Yes
Energy efficiency compliance[4]	CECP; Blue Angel; EPEAT® Silver registered; ENERGY STAR® certified
Control panel	4.3" Color Capacitive Touch Control Panel
Display	4.3" diagonal Color TFT-LCD back lit 480 RGB (H) x 272 (V)
Software included	No software solutions are included in the Box only on http://hp.com or http://123.hp.com
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 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 Http://www.hp.com/go/laserjetfonts
Compatible operating systems	Windows 11; Windows 10; Windows 8; Windows 8.1; Windows 7; Windows Client OS; Android; iOS; Mobile OS; macOS 10.12 Sierra; macOS 10.13 High Sierra; macOS 10.14 Mojave; macOS 10.15 Catalina
Compatible network operating systems	Windows 11; Windows Server; Linux; Citrix; UNIX; Novell
Minimum system requirements	**PC:**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
Power [9]	**Power supply type:** Internal (Built-in) power supply; **Power supply required:** 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); **Power consumption:** 581 watts (active printing), 21.9 watts (ready), 1.0 watts (sleep), 0.08 watts (auto-off/manual-on), 0.08 watts (manual off); **Typical electricity consumption (TEC) number:** 1.051 kWh/week (Blue Angel); 0.378 kWh/week (Energy Star 3.0)
Acoustics	**Acoustic power emissions:** 6.1 B(A) (Printing at 27 ipm)
Operating environment	**Operating temperature range:** 50 to 90.5°F ; **Recommended operating temperature:** 59 to 80.6°F ; **Storage temperature range:** -4 to 104°F ; **Operating humidity range:** 30 to 70% RH ; **Recommended operating humidity range:** 10 to 90%
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, 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
Country of origin	Made in China; Made in Mexico (#201)

[1] 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.
[2] 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.
[3] Declared yield value in accordance with ISO/IEC 19798. Actual yields vary considerably based on images printed and other factors. For more information, visit: http://www.hp.com/go/learnaboutsupplies
[4] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.
[5] Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.
[6] Measured using ISO/IEC 24734 Feature Performance Test, 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.
[7] 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.
[8] 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.
[9] 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.
[10] Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).
[11] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
[12] Scan to Onedrive, scan to Onedrive for Business, and scan to Sharepoint Online requires HP FutureSmart 5.8 or later.
[13] Requires HP FutureSmart 5.8.1.1 or later.

To learn more, visit hp.com

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