TotalPrint USA

HP Product Catalog

September 2023

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Black and White Laser Printers

	HP LaserJet Managed E50145dn	HP LaserJet Managed E60175dn	HP LaserJet Managed E60165dn
	1PU51A	**3GY12A**	**3GY10A**
Compatible Network Operating Systems	Windows 11; Windows Server; Linux; Citrix; UNIX	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, Failover Cluster 2008 R2, Failover Cluster 2012 R2, Terminal server 2008 R2, Remote Desktop server 2012 R2, Citrix Server 6.5, Citrix XenApp & XenDesktop 7.6, Novell iPrint server, Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see http://citrixready.citrix.com, Linux- For more information see http://developers.hp.com/hp-linux-imag Unix- For more information see http://hp.com/go/unixmodelscripts, UPD PCL6 / PS Printer Drivers, Supported for Compatible Network Operating systems please see http://hp.com/go/upd	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, Failover Cluster 2008 R2, Failover Cluster 2012 R2, Terminal server 2008 R2, Remote Desktop server 2012 R2, Citrix Server 6.5, Citrix XenApp & XenDesktop 7.6, Novell iPrint server, Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see http://citrixready.citrix.com, Linux- For more information see http://developers.hp.com/hp-linux-imaging-a Unix- For more information see http://hp.com/go/unixmodelscripts, UPD PCL6 / PS Printer Drivers, Supported for Compatible Network Operating systems please see http://hp.com/go/upd
Compatible Operating Systems	Windows 11; Windows 10; Windows 8; Windows 7; Windows Client OS; Android; iOS; Mobile OS; macOS 10.12 Sierra; macOS 10.13 High Sierra; macOS 10.14 Mojave	Windows Client OS (32/64 bit), Win10, Win8.1, Win 8 Basic, Win8 Pro, Win8 Enterprise, Win8 Enterprise N, Win7 Starter Edition SP1, UPD Win7 Ultimate, Mobile OS, iOS, Android, Mac, Apple® macOS Sierra v10.12, Apple® macOS High Sierra v10.13, Apple® macOS Mojave v10.14, Discrete PCL6 Printer Driver, For more information on the supported operating systems go to http://support.hp.com, 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 http://www.hp.com/go/upd	Windows Client OS (32/64 bit), Win10, Win8.1, Win 8 Basic, Win8 Pro, Win8 Enterprise, Win8 Enterprise N, Win7 Starter Edition SP1, UPD Win7 Ultimate, Mobile OS, iOS, Android, Mac, Apple® macOS Sierra v10.12, Apple® macOS High Sierra v10.13, Apple® macOS Mojave v10.14, Discrete PCL6 Printer Driver, For more information on the supported operating systems go to http://support.hp.com, 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 www.hp.com/go/upd
Connectivity, standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket
Control panel	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button

Display	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle)	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)
Duty cycle (monthly, letter)	Up to 150,000 pages [5] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.	Up to 450,000 pages [9] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.	Up to 420,000 pages [9] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.
Ecolabels	Blue Angel; EPEAT® Silver; CECP; ENERGY STAR® qualified	EPEAT® Silver; CECP; ENERGY STAR® qualified	EPEAT® Silver; CECP; ENERGY STAR® qualified
Energy star certified	Yes	Yes	Yes
Envelope Feeder	No	Yes, 75	Yes, 75
First page out (ready)	Black: As fast as 5.9 sec [9]	Black: As fast as 5.0 sec [12]	Black: As fast as 5.0 sec [12]
Functions	Print	Print	Print
Input capacity	Up to 650 sheets	up to 650 sheets	Up to 650 sheets
Manufacturer Warranty	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Contact your Contractual Vendor or go to hp.com/support to learn about HP award winning service and support options in your region. (wty code 4G; wty ID A001)	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to hp.com/support to learn about HP award winning service and support options in your region. (wty code 4G)	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to hp.com/support to learn about HP award winning service and support options in your region. (wty code 4G)
Maximum Memory	1.5 GB, MAX memory, when 1 GB Accessory DIMM is installed	1.5 GB MAX memory, when Accessory DIMM is installed	1.5 GB, MAX memory, when Accessory DIMM is installed
Maximum input capacity (sheets)	Up to 2300 sheets	Up to 4,400 sheets	Up to 4400 sheets
Media sizes supported	Tray 1: letter, legal, executive, statement, 3 x 5, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 550-sheet tray: letter, legal, executive, statement, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional Automatic Duplexer: letter, legal, 8.5 x 13 in	Tray 1: letter, legal, executive, statement, 3 x 5, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 550-sheet tray: letter, legal, executive, statement, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 2100-sheet tray: letter, legal; Optional 75-envelope feeder: No. 9, No. 10, Monarch; Automatic Duplexer: letter, legal, executive, 8.5 x 13 in	Tray 1: letter, legal, executive, statement, 3 x 5, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 550-sheet tray: letter, legal, executive, statement, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 2100-sheet tray: letter, legal; Optional 75-envelope feeder: No. 9, No. 10, Monarch; Automatic Duplexer: letter, legal, executive, 8.5 x 13 in
Media sizes, custom	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4.14 x 5.83 to 8.5 x 14 in; Optional 550-sheet Tray: 4.14 x 5.83 to 8.5 x 14 in	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 550-sheet tray: 3.9 x 5.83 to 8.5 x 14 in; Optional 2100-sheet tray: custom sizes not supported; Optional 75-envelope feeder: 3.55 x 5.83 to 7 x 10 in	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 550-sheet tray: 3.9 x 5.83 to 8.5 x 14 in; Optional 2100-sheet tray: custom sizes not supported; Optional 75-envelope feeder: 3.55 x 5.83 to 7 x 10 in
Media types	Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes; labels; cardstock; transparencies; user-defined	Paper (plain, light, bond, recycled, heavy, extra heavy, cardstock, pre-printed, pre-punched, colored, rough, heavy rough), mono transparency, labels, letterhead, envelope, heavy envelope	Paper (plain, light, bond, recycled, heavy, extra heavy, cardstock, pre-printed, pre-punched, colored, rough, heavy rough), mono transparency, labels, letterhead, envelope, heavy envelope

Media weight, supported	Tray 1: 16 to 53 lb; tray 2+: 16 to 32 lb	Tray 1: 16 to 53 lb; Tray 2: 16 to 32 lb; Automatic Duplexer: 16 to 32 lb	Tray 1: 16 to 53 lb; Tray 2: 16 to 32 lb; Automatic Duplexer: 16 to 32 lb
Memory	512 MB	512 MB	512 MB
Minimum System Requirements	2 GB available hard disk space, Internet connection, USB port, Internet browser. (For Additional OS hardware requirements see microsoft.com)	2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see microsoft.com	2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see microsoft.com
Mobile printing capability	HP ePrint; Apple AirPrint™; Google Cloud Print™; Mopria™ Certified	HP ePrint; Apple AirPrint™; Google Cloud Print™; Mopria™ Certified	HP ePrint; Apple AirPrint™; Google Cloud Print™; Mopria™ Certified
Network capabilities	HP Jetdirect 2900nw Print Server J8031A, HP Jetdirect 3000w NFC/Wireless Accessory J8030A, HP Jetdirect 3100w BLE/NFC/Wireless	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).	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).
Number of print cartridges	1 (black)	1 (black)	1 (black)
Operating humidity range	10 to 80% RH	10 to 80% RH	10 to 80% RH
Operating temperature range	59 to 86°F	59 to 86°F	59 to 86°F
Output capacity	Up to 250 sheets	Up to 500 sheets	Up to 500 sheets
Paper trays, standard	2	2	2
Power	Input voltage: 100 V to 127 V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3 Hz), 7.5 A; Input voltage: 220 V to 240 V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3 Hz), 4 A. Not dual voltage, power supply varies by part number with # Option code identifier.	Input voltage: 100 V to 127 V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3 Hz), 12 A; Input voltage: 220 V to 240 V nominal (+/-10%), 50 - 60 Hz nominal (+/-), 6 A. Not dual voltage, power supply varies by part number with # Option code identifier.	Input voltage: 100 V to 127 V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3 Hz), 12 A; Input voltage: 220 V to 240 V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3 Hz), 6 A. Not dual voltage, power supply varies by part number with # Option code identifier.
Power consumption	601 watts (Active Printing), 7.60 watts (Ready), 2.61 watts (Sleep), 0.06 watts (Auto-Off), 0.06 watts (Off), Auto Off/Wake on LAN 0.73 Watt	780 watts (printing), 15.3 watts (ready), 3.1 watts (sleep), < 0.1 watts (Auto Off/Manual On), < 0.1 watts (Manual Off)	720 watts (printing), 15.4 watts (ready), 0.6 watts (sleep), < 0.1 watts (Auto Off/Manual On), < 0.1 watts (Manual Off)
Power supply type	Built-in 115V or 220V Power Supply	Built-in 115V or 220V Power Supply	Built-in 115V or 220V Power Supply
Print languages	HP PCL 6, HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™	HP PCL 6, HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™	HP PCL 6, HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™
Print quality black (best)	Up to 1200 x 1200 dpi	Up to 1200 x 1200 dpi	Up to 1200 x 1200 dpi
Print quality black (normal)	Up to 600 x 600 dpi	FastRes 1200	FastRes 1200
Print speed (A4/letter) footnote number	[8]	[11]	[11]
Print speed black (ISO, letter)	Up to 45 ppm (default) ; Up to 52 ppm (HP High Speed)	Up to 75 ppm	Up to 65 ppm
Print technology	Laser	Laser	Laser
Printer Management	HP Printer Assistant; HP Device Toolbox; HP Web JetAdmin Software; HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)	HP Printer Assistant, HP Device Toolbox, HP Web JetAdmin Software, HP JetAdvantage Security Manager, HP SNMP Proxy Agent, HP WS Pro Proxy Agent, Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)	HP Printer Assistant; HP Device Toolbox; HP Web JetAdmin Software; HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)
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	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB

Processor speed	1.2 GHz	1.2 GHz	1.2 GHz
Recommended monthly page volume	2000 to 15,000 [6]	5000 to 50,000 [10]	5000 to 40,000 [10]
Recommended operating humidity range	30 to 70% RH	30 to 70% RH	30 to 70% RH
Recommended operating temperature range	17.5 to 25°C	17.5 to 25°C	17.5 to 25°C
Replacement cartridges	HP Black Managed LaserJet Toner Cartridge (~23,000 pages) W9008MC	HP Black Managed LaserJet Toner (50,000 yield) W9004MC. This printer uses newer generation HP cartridges identifiable by a "P" at the end of the cartridge lot number. More at www.hp.com/go/learna	HP Black Managed LaserJet Toner (50,000 yield) W9004MC. This printer uses newer generation HP cartridges identifiable by a "P" at the end of the cartridge lot number. More at www.hp.com/go/learnabouts
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,...); Connection Inspector - helps ensure network connections to device are safe, Security management: Compatible with HP JetAdvantage Security Manager, HP Printer Security Plugin for Microsoft SCCM, Device Security Syslog Messages processed and accessable in ArcSight, Splunk, and McAfee(ESM) SIEMs	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 accessable in ArcSight and Splunk SIEMs	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 accessable in ArcSight and Splunk SIEMs
Software included	No software solutions are included in the Box, only on http://hp.com, http://123.hp.com	No software solutions are included in the Box, only on http://hp.com, http://123.hp.com	No software solutions are included in the Box, only on http://hp.com, http://123.hp.com
Storage temperature range	-20 to 40°C	-20 to 40°C	-20 to 40°C
Typical electricity consumption (TEC) number	1.257 kWh/Week (Blue Angel); 0.420 kWh/Week (Energy Star 3.0)	2.948 kWh/Week (Blue Angel); 0.856 kWh/Week (Energy Star 3.0)	2.425 kWh/Week (Blue Angel); 0.877 kWh/Week (Energy Star 3.0)
Wireless capability	Optional, enabled with purchase of a wireless hardware accessory. Single band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory	Optional, enabled with purchase of a wireless hardware accessory. Single band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory	Optional, enabled with purchase of a wireless hardware accessory. Single band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory

Black and White Laser Printers

HP LaserJet Managed E60155dn

3GY09A

Compatible Network Operating Systems	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, Failover Cluster 2008 R2, Failover Cluster 2012 R2, Terminal server 2008 R2, Remote Desktop server 2012 R2, Citrix Server 6.5, Citrix XenApp & XenDesktop 7.6, Novell iPrint server, Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see http://citrixready.citrix.com, Linux- For more information see http://developers.hp.com/hp-linux-imag Unix- For more information see http://hp.com/go/unixmodelscripts, UPD PCL6 / PS Printer Drivers-, Supported for Compatible Network Operating systems please see http://hp.com/go/upd
Compatible Operating Systems	Windows Client OS (32/64 bit), Win10, Win8.1, Win 8 Basic, Win8 Pro, Win8 Enterprise, Win8 Enterprise N, Win7 Starter Edition SP1, UPD Win7 Ultimate, Mobile OS, iOS, Android, Mac, Apple® macOS Sierra v10.12, Apple® macOS High Sierra v10.13, Apple® macOS Mojave v10.14, Discrete PCL6 Printer Driver, For more information on the supported operating systems go to http://support.hp.com, 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 www.hp.com/go/upd
Connectivity, standard	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket
Control panel	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button

Display	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button
Duplex printing	Automatic (standard)
Duty cycle (monthly, letter)	Up to 375000 pages [11] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.
Ecolabels	EPEAT® Silver; ENERGY STAR® qualified
Energy star certified	Yes
Envelope Feeder	Yes, 75
First page out (ready)	Black: As fast as 5.0 sec [15]
Functions	Print
Input capacity	Up to 650 sheets
Manufacturer Warranty	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to hp.com/support to learn about HP award winning service and support options in your region. (wty code 4G)
Maximum Memory	1.5 GB MAX memory, when Accessory DIMM is installed
Maximum input capacity (sheets)	Up to 4, 400 sheets
Media sizes supported	Tray 1: letter, legal, executive, statement, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 550-sheet tray: letter, legal, executive, statement, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 2100-sheet tray: letter, legal; Optional 75-envelope feeder: No. 9, No. 10, Monarch; Automatic Duplexer: letter, legal, executive, 8.5 x 13 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 550-sheet tray: 3.9 x 5.83 to 8.5 x 14 in; Optional 2100-sheet tray: custom sizes not supported; Optional 75-envelope feeder: 3.55 x 5.83 to 7 x 10 in
Media types	Paper (plain, light, bond, recycled, heavy, extra heavy, cardstock, pre-printed, pre-punched, colored, rough, heavy rough), mono transparency, labels, letterhead, envelope, heavy envelope
Media weight, supported	Tray 1: 16 to 53 lb; Tray 2: 16 to 32 lb; Automatic Duplexer:

Memory	512 MB
Minimum System Requirements	2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see 4 microsoft.com
Mobile printing capability	Apple AirPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; ROAM capable for easy printing
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).
Number of print cartridges	1 (black)
Operating humidity range	10 to 80% RH
Operating temperature range	59 to 86°F
Output capacity	Up to 500 sheets
Paper trays, standard	2
Power	Input voltage: 100 V to 127 V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3 Hz), 12 A; Input voltage: 220 V to 240 V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3 Hz), 6 A. Not dual voltage, power supply varies by part number with # Option code identifier.
Power consumption	710 watts (printing), 12.3 watts (ready), 0.52 watts (sleep), < 0.1 watts (Auto Off/Manual On), < 0.1 watts (Manual Off)
Power supply type	Built-in 115V or 220V Power Supply
Print languages	HP PCL 6, HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™
Print quality black (best)	Up to 1200 x 1200 dpi
Print quality black (normal)	FastRes 1200
Print speed (A4/letter) footnote number	[14]
Print speed black (ISO, letter)	Up to 55 ppm
Print technology	Laser
Printer Management	HP Printer Assistant, HP Device Toolbox, HP Web JetAdmin Software, HP JetAdvantage Security Manager, HP SNMP Proxy Agent, HP WS Pro Proxy Agent, Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)
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
Processor speed	1.2 GHz
Recommended monthly page	5000 to 30,000 [12]

Recommended operating humidity range	30 to 70% RH
Recommended operating temperature range	17.5 to 25°C
Replacement cartridges	HP Black Managed LaserJet Toner (50,000 yield) W9004MC. This printer uses newer generation HP cartridges identifiable by a "P" at the end of the cartridge lot number. More at www.hp.com/go/learna
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 accessable in Arcsight and Splunk SIEMs
Software included	No software solutions are included in the Box, only on http://hp.com, http://123.hp.com
Storage temperature range	-20 to 40°C
Typical electricity consumption (TEC) number	1.971 kWh/Week (Blue Angel); 0.595 kWh/Week (Energy Star 3.0)
Wireless capability	Optional, enabled with purchase of a wireless hardware accessory. Single band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory J8030A, Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A, Dual band Wireless Station functionality available with HP Jetdirect 2900nw Print Server J8031A

Laser Multifunction Printers

	HP LaserJet Managed Flow MFP E52645c **1PS55A**	HP LaserJet Managed Flow MFP E62665z **3GY17A**	HP LaserJet Managed MFP E62655dn **3GY14A**
Auto fax reduction supported	Yes		
Automatic document feeder capacity	Standard, 100 sheets	Standard, 150 sheets	Standard, 150 sheets
Bit depth	24-bit	24-bit	24-bit
Compatible Network Operating Systems	Windows 11; Windows Server; Linux; Citrix; UNIX; Novell	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, Failover Cluster 2008 R2, Failover Cluster 2012 R2, Terminal server 2008 R2, Remote Desktop server 2012 R2, Citrix Server 6.5, Citrix XenApp & XenDesktop 7.6, Novell iPrint server, Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see http://citrixready.citrix.com, Linux- For more information see http://developers.hp.com/hp-linux-imaging-and-printing, Unix- For more information see http://hp.com/go/unixmodelscripts, UPD PCL6 / PS Printer Drivers, Supported for Compatible Network Operating systems please see http://hp.com/go/upd	Windows 11; Windows Server; Linux; Citrix; UNIX; Novell
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	Windows Client OS (32/64 bit), Win10, Win8.1, Win 8 Basic, Win8 Pro, Win8 Enterprise, Win8 Enterprise N, Win7 Starter Edition SP1, UPD Win7 Ultimate, Mobile OS, iOS, Android, Mac, Apple® macOS Sierra v10.12, Apple® macOS High Sierra v10.13, Apple® macOS Mojave v10.14, Discrete PCL6 Printer Driver, For more information on the supported operating systems go to http://support.hp.com, 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 www.hp.com/go/upd	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
Connectivity, standard	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket

Control panel	8.0-in (20.3 cm) color LCD with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); Integrated Keyboard	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); Extended Keyboard	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)
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)	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)	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)
Copies, maximum	Up to 9999 copies	Up to 9999 copies	Up to 9999 copies
Copy reduce / enlarge settings	25 to 400%	25 to 400%	25 to 400%
Copy resolution (black text)	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Copy resolution (color text and graphics)	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Copy speed black (normal, letter)	Up to 45 cpm (default) ; Up to 52 cpm (HP High Speed)	Up to 65 cpm	Up to 55 cpm
Copy speed black duplex (Letter)	Up to 36 cpm	Up to 53 cpm	Up to 53 cpm
Copy speed footnote number		[15]	[15]
Digital sending standard features	Scan to E-mail; Scan to Sharepoint; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to LAN Fax; Send to Internet Fax; OCR; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page; OCR	Scan to E-mail; Scan-to-Sharepoint; Save-to-Network Folder; Save-to-USB drive; Send 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; Auto Tonescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page; OCR	Scan to E-mail; Scan-to-Sharepoint; Save-to-Network Folder; Save-to-USB drive; Send 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
Display	8.0 in (20.3 cm) touchscreen (1024x768) LCD (color graphics); smooth gesture enabled touchscreen	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)
Distinctive ring detection supported	No		
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)
Duty cycle (monthly, letter)	Up to 150,000 pages	Up to 450,000 pages [7] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.	Up to 450,000 pages [7] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.
Ecolabels	EPEAT® Gold; ENERGY STAR® qualified; CECP; Blue Angel DE-UZ-205	ENERGY STAR® qualified; EPEAT® Silver; CECP	ENERGY STAR® qualified; EPEAT® Silver; CECP
Energy star certified	Yes	Yes	Yes
Envelope Feeder	No	Yes, 75	Yes, 75
Fax Auto Redial	Yes		

Fax PC Interface Supported	Yes		
Fax Polling	Yes (poll to receive only)		
Fax Remote Retrieval	No		
Fax Resolution Black (best)	Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)		
Fax Speed Dials, Maximum Number	Up to 1000 numbers (each with 210 destinations)		
Fax delayed sending	No		
Fax forwarding	Yes		
Fax memory	Up to 500 pages		
Fax phone TAM interface supported	No	No	
Fax telephone mode supported	No	No	No
Fax transmission speed	3 sec per page		
First copy out black (letter)	As fast as 6.5 sec	As fast as 4.8 sec	As fast as 4.8 sec
First page out (ready)	Black: As fast as 6 sec [13] [13] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software	Black: As fast as 5.1 sec [12]	Black: As fast as 5.1 sec [12]
Functions	Print, copy, scan and optional fax	Print, Copy, Scan and Optional Fax	Print, Copy, Scan and optional Fax
Input capacity	Up to 650 sheets	Up to 650 sheets	Up to 650 sheets
Junk fax barrier	Yes		
Levels of grayscale	256	256	256
Manufacturer Warranty	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Contact your Contractual Vendor or go to hp.com/support to learn about HP award winning service and support options in your region. (wty code 4G; wty ID A001)	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to hp.com/support to learn about HP award winning service and support options in your region. (wty code 4G)	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to hp.com/support to learn about HP award winning service and support options in your region. (wty code 4G)
Maximum Memory	3.75 GB MAX memory, when Accessory DIMM is installed	4.5 GB MAX memory, when Accessory DIMM is installed	4 GB
Maximum input capacity (sheets)	Up to 2300 sheets	Up to 3750 sheets	Up to 3,750 sheets
Media sizes supported	Tray 1: letter, legal, executive, statement, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 550-sheet tray: letter, legal, executive, statement, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional Automatic Duplexer: letter, legal, 8.5 x 13 in	Tray 1: letter, legal, executive, statement, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, executive, statement, 4 x 6 in, 5 x 7 in, 5 x 8 in; Optional 550-sheet tray: letter, legal, executive, statement, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 2000-sheet tray: letter, legal; Optional 75-envelope feeder: No. 9, No. 10, Monarch; Automatic Duplexer: letter, legal, executive, 8.5x13	Tray 1: letter, legal, executive, statement, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, executive, statement, 4 x 6 in, 5 x 7 in, 5 x 8 in; Optional 550-sheet tray: letter, legal, executive, statement, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 2000-sheet tray: letter, legal; Optional 75-envelope feeder: No. 9, No. 10, Monarch; Automatic Duplexer: letter, legal, executive, 8.5x13
Media sizes, custom	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4.14 x 5.83 to 8.5 x 14 in; Optional 550-sheet Tray: 4.14 x 5.83 to 8.5 x 14 in	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2 3.9 x 5.8 to 8.5 x 11.7 in; Optional 550-sheet tray: 3.9 x 5.8 to 8.5 x 14 in; Optional 2000-sheet tray: custom sizes not supported; Optional 75-envelope feeder: 3.55 x 5.83 to 7 x 10 in	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2 3.9 x 5.8 to 8.5 x 11.7 in; Optional 550-sheet tray: 3.9 x 5.8 to 8.5 x 14 in; Optional 2000-sheet tray: custom sizes not supported; Optional 75-envelope feeder: 3.55 x 5.83 to 7 x 10 in

Media types	Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes; labels; cardstock; transparencies; user-defined	Paper (plain, light, bond, recycled, heavy, extra heavy, cardstock, pre-printed, pre-punched, colored, rough, heavy rough), mono transparency, labels, letterhead, envelope, heavy envelope	Paper (plain, light, bond, recycled, heavy, extra heavy, cardstock, pre-printed, pre-punched, colored, rough, heavy rough), mono transparency, labels, letterhead, envelope, heavy envelope
Media weight, supported	Tray 1: 16 to 53 lb; Tray 2+: 16 to 32 lb	Feeder 1: 16 to 53 lb bond (plain), 16 to 24 lb (envelopes); feeder 2: 16 to 32 lb bond (plain); Automatic Duplexer: 16 to 32 lb	Feeder 1: 16 to 53 lb bond (plain), 16 to 24 lb (envelopes); feeder 2: 16 to 32 lb bond (plain); Automatic Duplexer: 16 to 32 lb
Memory	1.25 GB (printer); 512 MB (Scanner)	1.5 GB (printer); 1 GB (scanner)	1.5 GB (printer); 512 MB (scanner)
Minimum System Requirements	2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see microsoft.com	2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see microsoft.com	2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see microsoft.com
Mobile printing capability	HP ePrint; Apple AirPrint™; Mopria™ Certified; Google Cloud Print™	Apple AirPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; Roam capable for easy printing	Apple AirPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; Roam capable for easy printing
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); Optional 802.11a/b/g/n wireless networking and second Ethernet port.	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).	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).
Number of print cartridges	1 (black)	1 (black)	1 (black)
Operating humidity range	10 to 80% RH	10 to 80% RH	10 to 80% RH
Operating temperature range	59 to 86°F	59 to 86°F	59 to 86°F
Output capacity	Up to 250 sheets	Up to 1000 sheets	Up to 500 sheets
Paper trays, standard	2	2	2
Power	Input voltage: 100V to 127V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3Hz), 7.5 A; Input voltage: 220V to 240V nominal (+/-10%), 50 - 60Hz nominal (+/- 3Hz), 4 A. Not dual voltage, power supply varies by part number with # Option code identifier.	Input voltage: 100 V to 127 V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3 Hz), 12 A; Input voltage: 220 V to 240 V nominal (+/-10%), 50 - 60 Hz nominal (+/-), 6 A	Input voltage: 100V to 127V nominal (+/-10%), 50 - 60Hz nominal (+/- 3Hz), 12 A; Input voltage: 220V to 240V nominal (+/-10%), 50 - 60Hz nominal (+/- 3Hz), 6 A. Not dual voltage, power supply varies by part number with # Option code identifier.
Power consumption	629 watts (Printing), 28.8 watts (Ready), 5.28 watts (Sleep), 0.74 watts (Auto-Off/Auto-On), LAN connection: 0.06 watts (Auto-Off), 0.06 watts (Off)	740 watts (printing/copying), 29.0 watts (ready), 3.3 watts (sleep), < 0.1 watts (Auto Off/Manual On), < 0.1 watts (Manual Off)	740 watts (printing/copying), 29.0 watts (ready), 3.3 watts (sleep), <0.1 watts (Auto Off/Manual On), <0.1 watts (Manual Off)
Power supply type	Built-in 115V or 220V Power Supply	Built-in 115V or 220V Power Supply	Built-in 115V or 220V Power Supply
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™	HP PCL 6, HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™	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™
Print quality black (best)	Up to 1200 x 1200 dpi	Up to 1200 x 1200 dpi	Up to 1200 x 1200 dpi
Print quality black (normal)	Up to 600 x 600 dpi	FastRes1200	FastRes1200
Print speed (A4/letter) footnote number	[15]	[11]	[11]
Print speed black (ISO, letter)	Up to 45 ppm (default) ; Up to 52 ppm (Hp High Speed)	Up to 65 ppm	Up to 55 ppm
Print technology	Laser	Laser	Laser
Printer Management	HP Printer Assistant; HP Device Toolbox; HP Web JetAdmin Software; HP JetAdvantage Security Manager; HP SNMP	HP Printer Assistant; HP Device Toolbox; HP Web JetAdmin Software; HP JetAdvantage Security Manager; HP SNMP	HP Printer Assistant; HP Device Toolbox; HP Web JetAdmin Software; HP JetAdvantage Security Manager; HP SNMP

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	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB
Processor speed	1.2 GHz	1.2 GHz	1.2 GHz
Recommended monthly page volume	4000 to 15000 [8]	5000 to 40,000	5000 to 40,000
Recommended operating humidity range	30 to 70% RH	30 to 70% RH	30 to 70% RH
Recommended operating temperature range	17.5 to 25°C	17.5 to 25°C	17.5 to 25°C
Replacement cartridges	HP Black Managed LaserJet Toner Cartridge (~23,000 pages) W9008MC	HP Black Managed LaserJet Toner (50,000 yield) W9004MC. This printer uses newer generation HP cartridges identifiable by a "P" at the end of the cartridge lot number. More at www.hp.com/go/learna	HP Black Managed LaserJet Toner (50,000 yield) W9004MC. This printer uses newer generation HP cartridges identifiable by a "P" at the end of the cartridge lot number. More at www.hp.com/go/learnabouts
Resolution (black and white, standard mode)	203 x 98 dpi		
Scan file format	Digital Send: PDF, JPEG, TIFF, MTIFF, xPS, PDF/A, TExT (OCR), Unicode TExT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, xPS, PDF/A, TExT (OCR), Unicode TExT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)
Scan input modes	Front panel applications: Copy, E-mail, Save to Network Folder, Save to USB, Save to Device Memory, Open Extensibility Platform (OxP) applications	Front panel applications: Copy; E-mail; Save to Network Folder; Save to USB; Save to Device Memory; Save to SharePoint; Open Extensibility Platform (OXP) applications, HP Scan or user application via TWAIN	Front panel applications: Copy; E-mail; Save to Network Folder; Save to USB; Save to Device Memory; Save to SharePoint; Open Extensibility Platform (OXP) applications, HP Scan or user application via TWAIN
Scan resolution, hardware	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Scan resolution, optical	Up to 600 dpi	Up to 600 dpi	Up to 600 dpi
Scan size (ADF), maximum	216 x 864 mm	216 x 864 mm	216 x 864 mm
Scan size, maximum	216 x 356 mm	216 x 356 mm	216 x 356 mm
Scan speed (normal, letter)	Up to 48 ppm/68 ipm, up to 48 ppm/60 ipm (color)	Up to 90 ppm/180 ipm (b&w), up to 90 ppm/180 ipm (color)	Up to 75 ppm/120 ipm (b&w), up to 75 ppm/120 ipm (color)
Scan speed duplex (normal, letter)	Up to 68 ipm (b&w), up to 60 ipm (color)	Up to 180 ipm (b&w), up to 180 ipm (color)	Up to 120 ipm (b&w), up to 120 ipm (color)
Scan technology	Contact Image Sensor (CIS)	Charge Coupled Device (CCD); Contact Image Sensor (CIS)	Charge Coupled Device (CCD); Contact Image Sensor (CIS)
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; HP EveryPage; Auto orientation; Embedded Optical Character Recognition (OCR), Auto crop to page; Auto-tone	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; HP EveryPage; Auto orientation; Embedded Optical Character Recognition (OCR), Auto crop to page; Auto-tone	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
Scanner type	Flatbed, ADF	Flatbed, ADF	Flatbed, ADF

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, ...); Connection Inspector - helps ensure network connections to device are safe, Security management: Compatible with HP JetAdvantage Security Manager, HP Printer Security Plugin for Microsoft SCCM, Device Security Syslog Messages processed and accessable in ArcSight, Splunk, and McAfee(ESM) SIEMs	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 accessable in ArcSight and Splunk SIEMs	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 accessable in Arcsight and Splunk SIEMs
Software included	No software solutions are included in the Box, only on http://hp.com, http://123.hp.com	No software solutions are included in the Box, only on http://hp.com, http://123.hp.com	No software solutions are included in the Box, only on http://hp.com, http://123.hp.com
Storage temperature range	-20 to 40°C	-20 to 40°C	-20 to 40°C
Telephone handset supported	No		
Twain version		Version 2.1	Version 2.1
Typical electricity consumption (TEC) number	1.414 kWh/Week (Blue Angel); 0.446 kWh/Week (Energy Star 3.0)	2.626 kWh/Week (Blue Angel); 0.796 kWh/Week (Energy Star 3.0)	2.219 kWh/Week (Blue Angel); 0.664 kWh/Week (Energy Star 3.0)
Wireless capability	Optional, enabled with purchase of a wireless hardware accessory. Single band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory J8030A, Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A, Dual band Wireless Station functionality available with HP Jetdirect 2900nw Print Server J8031A	Optional, enabled with purchase of a wireless hardware accessory. Single band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory J8030A, Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A, Dual band Wireless Station functionality available with HP Jetdirect 2900nw Print Server J8031A	Optional, enabled with purchase of a wireless hardware accessory. Single band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory J8030A, Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A, Dual band Wireless Station functionality available with HP Jetdirect 2900nw Print Server J8031A

Laser Multifunction Printers

	HP LaserJet Managed MFP E52645dn	HP Color LaserJet Managed Flow MFP E57540c	HP Color LaserJet Managed MFP E57540dn
	1PS54A	**3GY26A**	**3GY25A**
Automatic document feeder capacity	Standard, 100 sheets	Standard, 100 sheets	Standard, 100 sheets
Bit depth	24-bit	24-bit	24-bit
Compatible Network Operating Systems	Windows 11; Windows Server; Linux; Citrix; UNIX; Novell	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/20 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 [for Windows Server 2008 R2 Terminal Services, 32- and 64-bit], Citrix XenApp 6.0/6.5/7.5 [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 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- and 64-bit], Citrix XenDesktop 5.6/7.0/7.5 [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 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 www.novell.com/ipr Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers www.novell.com/iprint), 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/Enterpri (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/ (+ Cluster & Terminal Services)	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 [for Windows Server 2008 R2 Terminal Services, 32- and 64-bit], Citrix XenApp 6.0/6.5/7.5 [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 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- and 64-bit], Citrix XenDesktop 5.6/7.0/7.5 [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 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 www.novell.com/iprint, Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers www.novell.com/iprint), 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/Da (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datac (+ Cluster & Terminal Services)

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	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 10.10 Yosemite, OS X 10.11 El Capitan, 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 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	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 10.10 Yosemite, OS X 10.11 El Capitan, 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 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Connectivity, standard	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit/Fast Ethernet 10/100/1000Base-T network; Hardware Integration Pocket	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit/Fast Ethernet 10/100/1000Base-TX network; Hardware Integration Pocket
Control panel	8.0-in (20.3 cm) color LCD with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); Extended Keyboard	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)
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)	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)	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)
Copies, maximum	Up to 9999 copies	Up to 9999 copies	Up to 9999 copies
Copy reduce / enlarge settings	25 to 400%	25 to 400%	25 to 400%
Copy resolution (black text)	Up to 600 x 600 dpi	Up to 600 x 600 dpi (flatbed); Up to 600 x 450 dpi (ADF)	Up to 600 x 600 dpi (flatbed); Up to 600 x 450 dpi (ADF)
Copy resolution (color text and graphics)	Up to 600 x 600 dpi	Up to 600 x 600 dpi (flatbed); Up to 300 x 600 dpi (ADF)	Up to 600 x 600 dpi (flatbed); Up to 300 x 600 dpi (ADF)
Copy speed black (normal, letter)	Up to 45 cpm (default) ; Up to 52 cpm (HP High Speed)	Up to 40 cpm	Up to 40 cpm
Copy speed black duplex (Letter)	Up to 36 cpm	Up to 40 cpm	Up to 40 cpm
Copy speed color (normal, letter)		Up to 40 cpm	Up to 40 cpm
Copy speed color duplex (Letter)		Up to 40 cpm	Up to 40 cpm
Copy speed footnote number		[21]	[21]
Digital sending standard features	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; 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 E-mail; Scan-to-Sharepoint; Save-to-Network Folder; Save-to-USB drive; 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 E-mail; Scan-to-Sharepoint; Save-to-Network Folder; Save-to-USB drive; 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
Display	8.0 in (20.3 cm) touchscreen (1024x768) LCD (color graphics); smooth gesture enabled touchscreen	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)

Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)
Duty cycle (monthly, letter)	Up to 150,000 pages	Up to 120,000 pages [8]	Up to 120,000 pages [8]
Ecolabels	ENERGY STAR® qualified; EPEAT® Silver; CECP; Blue Angel DE-UZ-205	ENERGY STAR® qualified; EPEAT® Silver	ENERGY STAR® qualified; EPEAT® Silver
Energy star certified	Yes	Yes	Yes
Envelope Feeder	No	No	No
First copy out black (letter)	As fast as 6.5 sec	As fast as 5.5 sec	As fast as 5.4 sec
First copy out color (letter)		As fast as 8.7 sec	As fast as 8.7 sec
First page out (ready)	Black: As fast as 6 sec [13] [13] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software	Black: As fast as 5.7 sec [22]	Black: As fast as 5.5 sec [22]
First page out color (letter, ready)		As fast as 6.8 sec	As fast as 6.8 sec
Functions	Print, copy, scan and optional fax	Print, copy, scan, optional fax	Print, copy, scan, optional fax
Input capacity	Up to 650 sheets	Up to 650 sheets	Up to 650 sheets
Levels of grayscale	256	256	256
Manufacturer Warranty	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Contact your Contractual Vendor or go to hp.com/support to learn about HP award winning service and support options in your region. (wty code 4G; wty ID A001)	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to http://www.hp.com/support to learn about HP award winning service and support options in your region.	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to http://www.hp.com/support to learn about HP award winning service and support options in your region.
Maximum Memory	3.75 GB MAX memory, when Accessory DIMM is installed	3.75 GB	3.75 GB
Maximum input capacity (sheets)	Up to 2300 sheets	Up to 2300 sheets	Up to 2300 sheets
Media sizes supported	Tray 1: letter, legal, executive, statement, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 550-sheet tray: letter, legal, executive, statement, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional Automatic Duplexer: letter, legal, 8.5 x 13 in	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: 4.0 x 5.85 to 8.5 x 11.69 in; Optional Trays 3+: letter, legal, oficio, executive, 8.5 x 13; Custom: 4.0 x 5.85 to 8.5 x 14 in	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: 4.0 x 5.85 to 8.5 x 11.69 in; Optional Trays 3+: letter, legal, oficio, executive, 8.5 x 13; Custom: 4.0 x 5.85 to 8.5 x 14 in
Media sizes, custom	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4.14 x 5.83 to 8.5 x 14 in; Optional 550-sheet Tray: 4.14 x 5.83 to 8.5 x 14 in	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4.0 x 5.85 to 8.5 x 11.69 in; Optional Trays 3+: 4.0 x 5.85 to 8.5 x 14 in	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4.0 x 5.85 to 8.5 x 11.69 in; Optional Trays 3+: 4.0 x 5.85 to 8.5 x 14 in
Media types	Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes; labels; cardstock; transparencies; user-defined	Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy), color transparency, labels, letterhead, envelope, preprinted, prepunched, colored, rough, opaque film, user-defined	Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy), color transparency, labels, letterhead, envelope, preprinted, prepunched, colored, rough, opaque film, user-defined
Media weight, supported	Tray 1: 16 to 53 lb; Tray 2+: 16 to 32 lb	Tray 1: 16 to 58 lb (plain); 28 to 58 lb (glossy); Tray 2: 16 to 58 lb (plain paper); 28 to	Tray 1: 16 to 58 lb (plain); 28 to 58 lb (glossy); Tray 2: 16 to 58 lb (plain paper); 28 to

Memory	1.25 GB (printer); 512 MB (Scanner)	1.25 GB (printer), 512 MB (scanner)	1.25 GB (printer), 512 MB (scanner)
Minimum System Requirements	2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see microsoft.com	2 GB available hard disk space; OS hardware requirements see microsoft.com	2 GB available hard disk space; OS hardware requirements see microsoft.com
Mobile printing capability	HP ePrint; Apple AirPrint™; Mopria™ Certified; Google Cloud Print™	HP ePrint; Apple AirPrint™; Mopria-certified; Google Cloud Print 2.0	HP ePrint; Apple AirPrint™; Mopria-certified; Google Cloud Print 2.0
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); Optional 802.11a/b/g/n wireless networking and second Ethernet port.	Via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard)	Via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard)
Number of print cartridges	1 (black)	4 (1 each black, cyan, magenta, yellow)	4 (1 each black, cyan, magenta, yellow)
Operating humidity range	10 to 80% RH	10 to 80% RH	10 to 80% RH
Operating temperature range	59 to 86°F	59 to 81°F	59 to 81°F
Output capacity	Up to 250 sheets	Up to 250 sheets	Up to 250 sheets
Paper trays, standard	2	2	2
Power	Input voltage: 100V to 127V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3Hz), 7.5 A; Input voltage: 220V to 240V nominal (+/-10%), 50 - 60Hz nominal (+/- 3Hz), 4 A. Not dual voltage, power supply varies by part number with # Option code identifier.	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)	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	629 watts (Printing), 28.8 watts (Ready), 5.28 watts (Sleep), 0.74 watts (Auto-Off/Auto-On), LAN connection: 0.06 watts (Auto-Off), 0.06 watts (Off)	592 watts (Printing), 47.3 watts (Ready), 3.48 watts (Sleep), 0.08 watts (Auto-Off/Manual On), 0.49 watts (Auto-Off/Auto-On/Wake on LAN)	592 watts (Printing), 47.3 watts (Ready), 3.48 watts (Sleep), 0.08 watts (Auto-Off/Manual On), 0.49 watts (Auto-Off/Auto-On/Wake on LAN)
Power supply type	Built-in 115V or 220V Power Supply	Internal (Built-in) power supply	Internal (Built-in) power supply
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™	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation, native PDF printing (v 1.7)	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation, native PDF printing (v 1.7)
Print quality black (best)	Up to 1200 x 1200 dpi	Up to 1200 x 1200 dpi	Up to 1200 x 1200 dpi
Print quality black (normal)	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Print quality color (best)		Up to 1200 x 1200 dpi	Up to 1200 x 1200 dpi
Print resolution color (normal)		Up to 600 x 600 dpi	Up to 600 x 600 dpi
Print speed (A4/letter) footnote number	[15]	[10]	[10]
Print speed black (ISO, letter)	Up to 45 ppm (default) ; Up to 52 ppm (Hp High Speed)	Up to 40 ppm	Up to 40 ppm
Print speed color (ISO)		Up to 40 ppm	Up to 40 ppm
Print technology	Laser	Laser	Laser
Printer Management	HP Printer Assistant; HP Device Toolbox; HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver employment Utility - Managed Printing Administrator)	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	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

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	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB, HP Easy Color	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB, HP Easy Color
Processor speed	1.2 GHz	1.2 GHz	1.2 GHz
Recommended monthly page volume	4000 to 15000 [8]	2000 to 15,000 [9]	2000 to 15,000 [9]
Recommended operating humidity range	30 to 70% RH	30 to 70% RH	30 to 70% RH
Recommended operating temperature range	17.5 to 25°C	17 to 25°C	17 to 25°C
Replacement cartridges	HP Black Managed LaserJet Toner Cartridge (~23,000 pages) W9008MC	HP CF360XC High Yield Black Contract Original LaserJet Toner Cartridge (~ 14,900 pages) CF360XC; HP CF361XC High Yield Cyan Contract Original LaserJet Toner Cartridge (~ 11,700 pages) CF361XC; HP CF362XC High Yield Yellow Contract Original LaserJet Toner Cartridge (~ 11,700 pages) CF362XC; HP CF363XC High Yield Magenta Contract Original LaserJet Toner Cartridge (~ 11,700 pages) CF363XC; HP W9060MC Black Managed LaserJet Toner Cartridge (~15,000 pages) W9060MC; HP W9061MC Cyan Managed LaserJet Toner Cartridge (~12,200 pages) W9061MC; HP W9062MC Yellow Managed LaserJet Toner Cartridge(~12,200 pages) W9062MC; HP W9063MC Magenta Managed LaserJet Toner Cartridge (~12,200 pages) W9063MC	HP CF360XC High Yield Black Contract Original LaserJet Toner Cartridge (~ 14,900 pages) CF360XC; HP CF361XC High Yield Cyan Contract Original LaserJet Toner Cartridge (~ 11,700 pages) CF361XC; HP CF362XC High Yield Yellow Contract Original LaserJet Toner Cartridge (~ 11,700 pages) CF362XC; HP CF363XC High Yield Magenta Contract Original LaserJet Toner Cartridge (~ 11,700 pages) CF363XC; HP W9060MC Black Managed LaserJet Toner Cartridge (~15,000 pages) W9060MC; HP W9061MC Cyan Managed LaserJet Toner Cartridge (~12,200 pages) W9061MC; HP W9062MC Yellow Managed LaserJet Toner Cartridge(~12,200 pages) W9062MC; HP W9063MC Magenta Managed LaserJet Toner Cartridge (~12,200 pages) W9063MC
Scan file format	PDF, JPEG, TIFF, MTIFF, xPS, PDF/A	Digital Send: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)	PDF, JPEG, TIFF, MTIFF, XPS, PDF/A
Scan input modes	Front panel applications: Copy, E-mail, Save to Network Folder, Save to USB, Save to Device Memory, Open Extensibility Platform (OxP) applications	Front panel applications: Copy, E-mail, Save to Network Folder, Save to USB, Save to Device Memory, Open Extensibility Platform (OXP) applications	Front panel applications: Copy, E-mail, Save to Network Folder, Save to USB, Save to Device Memory, Open Extensibility Platform (OXP) applications
Scan resolution, hardware	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Scan resolution, optical	Up to 600 dpi	Up to 600 dpi	Up to 600 dpi
Scan size (ADF), maximum	216 x 864 mm	216 x 356 mm	216 x 356 mm
Scan size, maximum	216 x 356 mm	216 x 356 mm	216 x 356 mm
Scan speed (normal, letter)	Up to 45 ppm/45 ipm (b&w), up to 40 ppm/40 ipm (color)	Up to 48 ppm/68 ipm (b&w), up to 48 ppm/60 ipm (color)	Up to 45 ppm/45 ipm (b&w), up to 40 ppm/40 ipm (color)
Scan speed duplex (normal, letter)	45 ipm (b&w), up to 40 ipm (color)	Up to 68 ipm (b&w), up to 60 ipm (color)	Up to 45 ipm (b&w), up to 40 ipm (color)
Scan technology	Contact Image Sensor (CIS)	Contact Image Sensor (CIS)	Contact Image Sensor (CIS)

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	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; HP EveryPage; Auto orientation; Embedded Optical Character Recognition (OCR), Auto crop to page; Auto-tone	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
Scanner type	Flatbed, ADF	Flatbed, ADF	Flatbed, ADF
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, ...); Connection Inspector - helps ensure network connections to device are safe, Security management: Compatible with HP JetAdvantage Security Manager, HP Printer Security Plugin for Microsoft SCCM, Device Security Syslog Messages processed and accessable in ArcSight, Splunk, and McAfee(ESM) SIEMs	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 accessable in Arcsight and Splunk SIEMs	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 accessable in Arcsight and Splunk SIEMs
Software included	No software solutions are included in the Box, only on http://hp.com, http://123.hp.com	HP Connected, HP Device Experience (DXP), HP PCL 6 (XPS) Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals	HP Connected, HP Device Experience (DXP), HP PCL 6 (XPS) Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
Storage temperature range	-20 to 40°C	0 to 35°C	0 to 35°C
Typical electricity consumption (TEC) number	1.414 kWh/Week (Blue Angel); 0.446 kWh/Week (Energy Star 3.0)	1.51 kWh/Week (Blue Angel); 0.464 kWh/Week (Energy Star 3.0)	1.51 kWh/Week (Blue Angel); 0.464 kWh/Week (Energy Star 3.0)
Wireless capability	Optional, enabled with purchase of a wireless hardware accessory. Single band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory	Optional, enabled with purchase of hardware accessory.	Optional, enabled with purchase of hardware accessory.

Laser Multifunction Printers

	HP Color LaserJet Managed MFP E67650dh	HP Color LaserJet Managed Flow MFP E67660z	HP Color LaserJet Managed MFP E877dn
	3GY31A	**3GY32A**	**5QK03A**
Auto fax reduction supported			Yes
Automatic document feeder capacity	Standard, 150 sheets	Standard, 150 sheets	Standard, 200 sheets
Bit depth	24-bit	24-bit	24-bit
Compatible Network Operating Systems	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, Failover Cluster 2008 R2, Failover Cluster 2012 R2, Terminal server 2008 R2, Remote Desktop server 2012 R2, Citrix Server 6.5, Citrix xenApp & xenDesktop 7.6, Novell iPrint server, Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see http://citrixready.citrix.com, Linux- For more information see http://developers.hp.com/hp-linux-imaging-and-printing, Unix- For more information see http://hp.com/go/unixmodelscripts, UPD PCL6 / PS Printer Drivers, Supported for Compatible Network Operating systems please see http://hp.com/go/upd	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, Failover Cluster 2008 R2, Failover Cluster 2012 R2, Terminal server 2008 R2, Remote Desktop server 2012 R2, Citrix Server 6.5, Citrix XenApp & XenDesktop 7.6, Novell iPrint server, Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see http://citrixready.citrix.com, Linux- For more information see http://developers.hp.com/hp-linux-imaging-and-printing, Unix- For more information see http://hp.com/go/unixmodelscripts, UPD PCL6 / PS Printer Drivers, Supported for Compatible Network Operating systems please see http://hp.com/go/upd	Windows Server; Linux; Citrix; Novell
Compatible Operating Systems	Windows Client OS (32/64 bit), Win10, Win8.1, Win 8 Basic, Win8 Pro, Win8 Enterprise, Win8 Enterprise N, Win7 Starter Edition SP1, UPD Win7 Ultimate, Mobile OS, iOS, Android, Mac, Apple® macOS Sierra v10.12, Apple® macOS High Sierra v10.13, Apple® macOS Mojave v10.14, Discrete PCL6 Printer Driver, For more information on the supported operating systems go to http://support.hp.com, 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 http://www.hp.com/go/upd	Windows Client OS (32/64 bit), Win10, Win8.1, Win 8 Basic, Win8 Pro, Win8 Enterprise, Win8 Enterprise N, Win7 Starter Edition SP1, UPD Win7 Ultimate, Mobile OS, iOS, Android, Mac, Apple® macOS Sierra v10.12, Apple® macOS High Sierra v10.13, Apple® macOS Mojave v10.14, Discrete PCL6 Printer Driver, For more information on the supported operating systems go to http://support.hp.com, 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 http;//www.hp.com/go/upd	Windows 11; Windows 10; Windows 7; Windows Client OS; Android; iOS; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; Chrome OS
Connectivity, standard	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket	1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2); 1 Hi-Speed USB 2.0 (host); 1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host)

Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); Extended Keyboard	10.1-in (25.65 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Speaker
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)	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)	Two-sided copying; automatically detect color/monochrome; reduce/enlarge; image adjustments (darkness, contrast, background cleanup, sharpness); optimize text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collate; booklet; scan mode (book, 2-sided ID); watermark; stamps; image overlay; erase edges; job build; image preview; image shift; paper selection; blank page suppression; automatically straighten; scan to job storage
Copies, maximum	Up to 9999 copies	Up to 9999 copies	Up to 9999 copies
Copy reduce / enlarge settings	25 to 400%	25 to 400%	25 to 400%
Copy resolution (black text)	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Copy resolution (color text and graphics)	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Copy speed black (normal, letter)	Up to 50 cpm	Up to 60 cpm	Up to 40 cpm; Up to 50 cpm (with 8EP60AAE); Up to 60 cpm (with 8EP61AAE); Up to 70 cpm (with 8EP62AAE)
Copy speed black duplex (Letter)	Up to 50 cpm	Up to 60 cpm	Up to 40 cpm; Up to 50 cpm (with 8EP60AAE); Up to 60 cpm (with 8EP61AAE); Up to 70 cpm (with 8EP62AAE)
Copy speed color (normal, letter)	Up to 50 cpm	Up to 60 cpm	Up to 40 cpm; Up to 50 cpm (with 8EP60AAE); Up to 60 cpm (with 8EP61AAE); Up to 70 cpm (with 8EP62AAE)
Copy speed color duplex (Letter)	Up to 50 cpm	Up to 60 cpm	Up to 40 cpm; Up to 50 cpm (with 8EP60AAE); Up to 60 cpm (with 8EP61AAE); Up to 70 cpm (with 8EP62AAE)
Copy speed footnote number	[16]	[16]	[7]
Digital sending standard features	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send 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 E-mail; Save-to-Network Folder; Save-to-USB drive; Send to SharePoint; 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; Auto Tonescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page; OCR	Scan to Email; scan to network folder; scan to USB drive; scan to SharePoint; scan to FTP; scan to sFTP; scan to LAN fax; scan to Internet Fax; local address book; SMTP over SSL; automatically detect color/monochrome; high compression PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimize text/picture (text, mixed, printed picture, photograph); content orientation; scan mode (book, 2-sided ID); erase edges; auto page crop; job build; image preview; blank page suppression; automatically straighten
Display	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	10.1-in (25.65 cm) touchscreen, WXGA Color Graphic Display (CGD)
Distinctive ring detection supported			No
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic

Duty cycle (monthly, letter)	Up to 150,000 pages [7] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.	Up to 180,000 pages [7] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.	Up to 180,000 pages; Up to 200,000 pages (with 8EP60AAE); Up to 250,000 pages (with 8EP61AAE); Up to 300,000 pages (with 8EP62AAE)
Ecolabels	ENERGY STAR® qualified; EPEAT® Silver; CECP	ENERGY STAR® qualified; EPEAT® Silver; CECP	EPEAT® registered; IT ECO Declaration; Blue Angel
Energy star certified	Yes	Yes	Yes
Envelope Feeder	No	No	No
Fax Auto Redial			Yes
Fax PC Interface Supported			Yes
Fax Polling			Yes (poll to receive only)
Fax Remote Retrieval			No
Fax Resolution Black (best)			Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)
Fax Speed Dials, Maximum Number			Up to 1000 numbers (each with 210 destinations)
Fax delayed sending			No
Fax forwarding			Yes
Fax memory			Up to 500 pages
Fax phone TAM interface supported		No	No
Fax telephone mode supported			No
Fax transmission speed			3 sec per page
First copy out black (letter)	As fast as 6.6 sec	As fast as 5.9 sec	As fast as 4.9 sec; As fast as 4.2 sec (with 8EP60AAE); As fast as 3.8 sec (with 8EP61AAE); As fast as 3.5 sec (with 8EP62AAE)
First copy out color (letter)	As fast as 7.1 sec	As fast as 6.4 sec	As fast as 6.5 sec; As fast as 5.6 sec (with 8EP60AAE); As fast as 4.9 sec (with 8EP61AAE); As fast as 4.3 sec (with 8EP62AAE)
First page out (ready)	Black: As fast as 6.4 sec [13]	Black: As fast as 5.7 sec [13]	Black: As fast as 7.1 sec; As fast as 6.5 sec (with 8EP60AAE); As fast as 6.3 sec (with 8EP61AAE); As fast as 6.2 sec (with 8EP62AAE) [2] [4] 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.
First page out color (letter, ready)	As fast as 6.4 sec	As fast as 5.7 sec	As fast as 8.3 sec; As fast as 7.4 sec (with 8EP60AAE); As fast as 7.0 sec (with 8EP61AAE); As fast as 6.9 sec (with 8EP62AAE)
Functions	Print, copy, scan and optional fax	Print, copy, scan and optional fax	Print, copy, scan, fax (optional)
Input capacity	Up to 650 sheets	Up to 650 sheets	Up to 1140 sheets (Tray1: up to 100 sheets; Tray2: up to

Junk fax barrier			Yes
Levels of grayscale	256	256	256
Manufacturer Warranty	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to hp.com/support to learn about HP award winning service and support options in your region. (wty code 4G)	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to http://www.hp.com/support to learn about HP award winning service and support options in your region. (wty code 4G)	90 day parts only warranty. Warranty and support options vary by product, country and local legal requirements. Contact your contractual vendor or go to hp.com/support to learn about HP award winning service and support options in your region.
Maximum Memory	4 GB MAX memory, when Accessory DIMM is installed	4.5 GB MAX memory, when Accessory DIMM is installed	6GB
Maximum input capacity (sheets)	Up to 3200 sheets	Up to 3200 sheets	Up to 6,140 sheets
Media sizes supported	Tray 1: letter, legal, executive, statement, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 550-sheet trays: letter, legal, executive, statement, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 2000-sheet tray: letter, legal	Tray 1: letter, legal, executive, statement, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 550-sheet trays: letter, legal, executive, statement, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 2000-sheet tray: letter, legal	Tray 1: Letter, Letter R, Legal, Executive, Statement, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 2: Letter, Statement, 4 x 6, 5 x 7, 5 x 8, envelope #9, Envelope #10, Envelope Monarch; Tray3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k
Media sizes, custom	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 2000-sheet tray: custom sizes not supported	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 2000-sheet tray: custom sizes not supported	Tray 1: 3.86 x 5.5 to 12.59 x 18 in; Tray 2: 3.86 x 5.5 to 9.5 x 11.69 in; Tray 3: 5.5 x 7.17 to 12.59 x 18 in
Media types	Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy), color transparency, labels, letterhead, envelope, preprinted, prepunched, colored, rough, opaque film, user-defined	Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy), color transparency, labels, letterhead, envelope, preprinted, prepunched, colored, rough, opaque film, user-defined	Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-WtGlossy 96-110g, Heavy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XHvyGlossy 131-175g, HP Matte 200g, HP Glossy 200g, Card-stock 176-220g, Card Glossy 176-220g, Light Paperboard 221-255g, Paperboard 256-300g, Heavy Paperboard, Color Transparency, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Pre-punched, Colored
Media weight, supported	Tray 1: 16 to 58 lb (plain) 32 to 58 lb (glossy); Tray 2: 16 to 90 lb (plain) 32 to 58 lb (glossy)	Tray 1: 16 to 58 lb (plain) 32 to 58 lb (glossy); Tray 2: 16 to 90 lb (plain) 32 to 58 lb (glossy)	Tray 1, 2, 3: 16 to 86.5 lb bond
Memory	1.5 GB (printer); 512 MB (scanner)	1.5 GB (Printer); 1 GB (Scanner)	6GB
Minimum System Requirements	2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see microsoft.com	2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see microsoft.com	2 GB available hard disk space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see microsoft.com
Mobile printing capability	HP ePrint; Apple AirPrint™; Mopria™ Certified; Google Cloud Print™	HP ePrint; Apple AirPrint™; Mopria™ Certified; Google Cloud Print™	Apple AirPrint™; Mopria™ Certified; Wi-Fi® Direct Printing; NFC Touch-to-print (optional); PrinterOn Print
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)	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)	Standard (built-in GIGABIT 10/100/1000T Ethernet)

Number of print cartridges	4 (1 each black, cyan, magenta, yellow)	4 (1 each black, cyan, magenta, yellow)	4 (1 each black, cyan, magenta, yellow)
Operating humidity range	10 to 80% RH	10 to 80% RH	20 to 80% RH
Operating temperature range	59 to 86°F	59 to 86°F	59 to 86°F
Output capacity	Up to 500 Sheets	Up to 1000 sheets	Up to 500 sheets
Paper trays, standard	2	2	3
Power	Input voltage: 100V to 127V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3 Hz), 12 A; Input voltage: 220V to 240V nominal (+/-10%), 50 - 60 Hz nominal (+/-), 6 A. Not dual voltage, power supply varies by part number with # Option code identifier.	Input voltage: 100 V to 127 V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3 Hz), 12 A; Input voltage: 220 V to 240 V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3 Hz), 6 A	Input voltage: 110 to 127 VAC (+/-10%), 50/60 Hz (+/-3 Hz), 12.0 A 220 to 240 VAC (+/-10%), 50/60 Hz (+/-3 Hz), 7.0 A 100 VAC (+/-10%), 50/60 Hz (+/-3 Hz), (Not dual voltage, power supply varies by part number with # Option code identifier)
Power consumption	900 watts (printing/copying), 47 watts (ready), 0.9 watts (sleep), 0.9 watts (Auto Off/Manual On), 0.1 (Manual Off)	900 watts (printing/copying), 47 watts (ready), 0.9 watts (sleep), 0.9 watts (Auto Off/Manual On), 0.1 (Manual Off)	820 watts (40ppm, printing), 890 watts (50ppm, printing), 1020 watts (60ppm, printing), 1100 watts (70ppm, printing), 41.5 watts (ready), 0.8 watts (sleep), 0.2 watts (auto-off), 0.2 watts (manual-off)
Power supply type	Built-in 115V or 220V Power Supply	Built-in 115V or 220V Power Supply	Internal (Built-in) power supply
Print languages	HP PCL 6, HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™	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™	HP PCL 5c, HP PCL 6, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible
Print quality black (best)	Up to 1200 x 1200 dpi	Up to 1200 x 1200 dpi	
Print quality black (normal)	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Print quality color (best)	Up to 1200 x 1200 dpi	Up to 1200 x 1200 dpi	
Print resolution color (normal)	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Print speed (A4/letter) footnote number	[15]	[15]	[1]
Print speed black (ISO, letter)	Up to 50 ppm	Up to 60 ppm	Up to 40 ppm; Up to 50 ppm (with 8EP60AAE); Up to 60 ppm (with 8EP61AAE); Up to 70 ppm (with 8EP62AAE)
Print speed color (ISO)	Up to 50 ppm	Up to 60 ppm	Up to 40 ppm; Up to 50 ppm (with 8EP60AAE); Up to 60 ppm (with 8EP61AAE); Up to 70 ppm (with 8EP62AAE)
Print technology	Laser	Laser	Laser
Printer Management	HP Printer Assistant; HP Device Toolbox; HP Web JetAdmin Software; HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)	HP Printer Assistant; HP Device Toolbox; HP Web JetAdmin Software; HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)	HP Web JetAdmin Software, HP Security Manager, HP SNMP Proxy Agent (Part of HP WebJetAdmin), HP WS Pro Proxy Agent (Part of HP WebJetAdmin), Smart Printer Administrator Resource Kit for HP Smart Universal Print Driver (Driver Configuration, Utility - Driver ,Deployment Utility - Managed Printing Administrator)
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, HP EasyColor	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB, HP EasyColor	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB
Processor speed	1.2 GHz	1.2 GHz	Quad Core (1.6GHz), Dual Core (1.4GHz)
Recommended monthly page volume	3000 to 24,000 [8]	4000 to 30,000 [8]	Up to 60,000
Recommended operating humidity range	30 to 70% RH	30 to 70% RH	20 to 80% RH

Recommended operating temperature range	17.5 to 25°C	17.5 to 25°C	15 to 30°C
Replacement cartridges	HP Black Managed LaserJet Toner Cartridge (~32,200 pages) W9030MC; HP Cyan Managed LaserJet Toner Cartridge (~28,000 pages) W9031MC; HP Yellow Managed LaserJet Toner Cartridge (~28,000 pages) W9032MC; HP Magenta Managed LaserJet Toner Cartridge (~28,000 pages) W9033MC;	HP Black Managed LaserJet Toner Cartridge (~32,200 pages) W9030MC; HP Cyan Managed LaserJet Toner Cartridge (~28,000 pages) W9031MC; HP Yellow Managed LaserJet Toner Cartridge (~28,000 pages) W9032MC; HP Magenta Managed LaserJet Toner Cartridge (~28,000 pages) W9033MC;	HP Black Managed LJ Toner Cartridge (ISO Yield 50,000) W9170MC, HP Cyan Managed LJ Toner Cartridge (ISO Yield 45,000) W9171MC, HP Yellow Managed LJ Toner Cartridge (ISO Yield 45,000) W9172MC, HP Magenta Managed LJ Toner Cartridge (ISO Yield 45,000) W9173MC
Resolution (black and white, standard mode)			203 x 98 dpi
Scan file format	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, xPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, xPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)	PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A
Scan input modes	Front panel applications: Copy; E-mail; Save to Network Folder; Save to USB; Save to Device Memory; Save to SharePoint; Open Extensibility Platform (OxP) applications, HP Scan or user application via TWAIN	Front panel applications: Copy; E-mail; Save to Network Folder; Save to USB; Save to Device Memory; Save to SharePoint; Open Extensibility Platform (OXP) applications, HP Scan or user application via TWAIN	Front panel applications: Copy; Fax; Scan to Email; Scan to Network Folder; Scan to USB; Scan to Job Storage; Open Extensibility Platform (OXP), HP Workpath applications
Scan resolution, hardware	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Scan resolution, optical	Up to 600 dpi	Up to 600 dpi	Up to 600 x 600 dpi
Scan size (ADF), maximum	216 x 864 mm	216 x 864 mm	297 x 864 mm
Scan size, maximum	216 x 356 mm	216 x 356 mm	297 x 432 mm
Scan speed (normal, letter)	Up to 75 ppm/120 ipm (b&w), up to 75 ppm/120 ipm (color)	Up to 90 ppm/180 ipm (b&w), up to 90 ppm/180 ipm (color)	Up to 90 ppm/180 ipm (b&w), up to 90 ppm/180 ipm (color)
Scan speed duplex (normal, letter)	Up to 120 ipm (b&w), up to 120 ipm (color)	Up to 180 ipm (b&w), up to 180 ipm (color)	Up to 180 ipm (b&w), up to 180 ipm (color)
Scan technology		Charge Coupled Device (CCD); Contact Image Sensor (CIS)	Platen Scanner CCD Digital-CIS
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	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; HP EveryPage; Auto orientation; Embedded Optical Character Recognition (OCR), Auto crop to page; Auto-tone	
Scanner type	Flatbed, ADF	Flatbed, ADF	Flatbed, ADF
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;	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;	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 authentication, Supports WJA-10 IPsec configuration Plug-in, 802.1X authentication (EAP-PEAP; EAP-TLS), SNMPv3

Software included	No software solutions are included in the Box, only on http://hp.com, http://123.hp.com	No software solutions are included in the Box, only on http://hp.com, http://123.hp.com	No software solutions are included in the box, only on http://www.hp.com or http://123.hp.com
Storage temperature range	-20 to 40°C	-20 to 40°C	-10 to 40°C
Telephone handset supported			No
Twain version	Version 2.1	Version 2.1	Version 2.4
Typical electricity consumption (TEC) number	2.68 kWh/Week (Blue Angel); 0.672 kWh/Week (Energy Star 3.0)	2.68 kWh/Week (Blue Angel); 0.779 kWh/Week (Energy Star 3.0)	0.569 kWh/Week (40ppm, Blue Angel), 0.702 kWh/Week (50ppm, Blue Angel); 0.867 kWh/Week (60ppm, Blue Angel); 1.041 kWh/Week (70ppm, Blue Angel); 0.578 kWh/Week (40ppm, Energy Star 3.0), 0.702 kWh/Week (50ppm, Energy Star 3.0), 0.869 kWh/Week (60ppm, Energy Star 3.0), 1.042 kWh/Week (70ppm, Energy Star 3.0)
Wireless capability	Optional, enabled with purchase of a wireless hardware accessory. Single band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory J8030A, Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A, Dual band Wireless Station functionality available with HP Jetdirect 2900nw Print Server J8031A	Optional, enabled with purchase of a wireless hardware accessory. Single band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory J8030A, Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A, Dual band Wireless Station functionality available with HP Jetdirect 2900nw Print Server J8031A	Optional, enabled with purchase of a hardware accessory

Laser Multifunction Printers

	HP Color LaserJet Managed MFP E877z	HP LaserJet Managed MFP E826dn	HP LaserJet Managed Flow MFP E826z
	5QK08A	**5QK09A**	**5QK13A**
Auto fax reduction supported	Yes	Yes	Yes
Automatic document feeder capacity	Standard, 300 sheets	Standard, 200 sheets	Standard, 300 sheets
Bit depth	24-bit	24-bit	24-bit
Compatible Network Operating Systems	Windows 8; Windows Server; Linux; Citrix; UNIX	Windows Server 2008 R2 64-bit, Windows Server 2012 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016 64-bit, Windows Server 2019 64-bit, Windows Server 2022 64-bit, Citrix Server 6.5, Citrix XenApp & XenDesktop 7.6, Novell iPrint server, Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see http://citrixready.citrix.com, Linux For more information see http://developers.hp.com/hp-linux-imaging-and-printing/developers For more information see http://hp.com/go/unixmodelscripts For more information see http://developers.hp.com/hp-linux-imaging-and-printing/developers For more information see http://hp.com/go/unixmodelscripts (All operating systems with the latest updates)	Windows Server 2008 R2 64-bit, Windows Server 2012 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016 64-bit, Windows Server 2019 64-bit, Windows Server 2022 64-bit, Citrix Server 6.5, Citrix XenApp & XenDesktop 7.6, Novell iPrint server, Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see http://citrixready.citrix.com, Linux For more information see http://developers.hp.com/hp-linux-imaging-and-printing/developers For more information see http://hp.com/go/unixmodelscripts For more information see http://developers.hp.com/hp-linux-imaging-and-printing/developers For more information see http://hp.com/go/unixmodelscripts (All operating systems with the latest updates)
Compatible Operating Systems	Windows 11; Windows 10; Windows 7; Windows Client OS; Android; iOS; Mobile OS; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; Chrome OS	Windows 11; Windows 10; Windows 7; Windows Client OS; Android; iOS; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; Chrome OS	Windows 11; Windows 10; Windows 7; Windows Client OS; Android; iOS; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; Chrome OS
Connectivity, standard	1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2); 1 Hi-Speed USB 2.0 (host); 1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host)	1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2); 1 Hi-Speed USB 2.0 (host); 1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host)	1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2); 1 Hi-Speed USB 2.0 (host); 1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host)
Control panel	10.1-in (25.65 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Speaker	10.1-in (25.65 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Speaker	10.1-in (25.65 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Speaker
Copier settings	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (Auto, text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; booklet; ID scan; job build; job storage; watermark; stamps; book mode scans; erase edges; automatically detect color/monochrome; image preview; Image Shift; Paper Selection; collate; Blank Page Suppression; Auto Orientation; Auto Tone; Crop to page; Multi-feed Detection; Reverse and Retry; Document Editing; Auto Paper Color Removal; Job Separation;	Two-sided copying; reduce/enlarge; image adjustments (darkness, contrast, background cleanup, sharpness); optimize text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collate; booklet; scan mode (book, 2-sided ID); watermark; stamps; image overlay; erase edges; job build; image preview; image shift; paper selection; blank page suppression; automatically straighten; scan to job storage	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (Auto, text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; booklet; ID scan; job build; job storage; watermark; stamps; book mode scans; erase edges; automatically detect color/monochrome; image preview; Image Shift; Paper Selection; collate; Blank Page Suppression; Multi-feed Detection; Reverse and Retry; Document Editing; Auto Paper Color Removal; Job Separation; Automatically Straighten;

Copies, maximum	Up to 9999 copies	Up to 9999 copies	Up to 9999 copies
Copy reduce / enlarge settings	25 to 400%	25 to 400%	25 to 400%
Copy resolution (black text)	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Copy resolution (color text and graphics)	Up to 600 x 600 dpi		
Copy speed black (normal, letter)	Up to 40 cpm; Up to 50 cpm (with 8EP60AAE); Up to 60 cpm (with 8EP61AAE); Up to 70 cpm (with 8EP62AAE)	Up to 50 cpm; Up to 60 cpm (with 8EP63AAE); Up to 70 cpm (with 8EP64AAE)	Up to 50 cpm; Up to 60 cpm (with 8EP63AAE); Up to 70 cpm (with 8EP64AAE)
Copy speed black duplex (Letter)	Up to 40 cpm; Up to 50 cpm (with 8EP60AAE); Up to 60 cpm (with 8EP61AAE); Up to 70 cpm (with 8EP62AAE)	Up to 50 cpm; Up to 60 cpm (with 8EP63AAE); Up to 70 cpm (with 8EP64AAE)	Up to 50 cpm; Up to 60 cpm (with 8EP63AAE); Up to 70 cpm (with 8EP64AAE)
Copy speed color (normal, letter)	Up to 40 cpm; Up to 50 cpm (with 8EP60AAE); Up to 60 cpm (with 8EP61AAE); Up to 70 cpm (with 8EP62AAE)		
Copy speed color duplex (Letter)	Up to 40 cpm; Up to 50 cpm (with 8EP60AAE); Up to 60 cpm (with 8EP61AAE); Up to 70 cpm (with 8EP62AAE)		
Copy speed footnote number	[7]	[7]	[7]
Digital sending standard features	Scan to e-mail; save-to-network folder; save-to-USB drive; send to Sharepoint; send to FTP; send to sFTP; send to LAN fax; send to Internet Fax; local address book; SMTP over SSL; auto color sense; compact PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (auto, text, mixed, printed picture, photograph); content orientation; ID scan; job build; watermark; stamps; book mode scans; erase edges; image preview; blank page suppression; scan to multi destination; embedded OCR; auto-tone, auto orientation, auto¬page-crop; multi-feed detection; reverse and retry; document editing; auto paper color removal; job separation; automatically straighten	Scan to e-mail; save-to-network folder; save-to-USB drive; send to Sharepoint; send to FTP; send to sFTP; send to LAN fax; send to Internet Fax; local address book; SMTP over SSL; auto color sense; compact PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); content orientation; ID scan; job build; watermark; stamps; book mode scans; erase edges; image preview; blank page suppression;	Scan to e-mail; save-to-network folder; save-to-USB drive; send to Sharepoint; send to FTP; send to sFTP; send to LAN fax; send to Internet Fax; local address book; SMTP over SSL; auto color sense; compact PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (auto, text, mixed, printed picture, photograph); content orientation; ID scan; job build; watermark; stamps; book mode scans; erase edges; image preview; blank page suppression; scan to multi destination, embedded OCR; auto-tone, auto orientation, auto¬page-crop; multi-feed detection; reverse and retry; document editing; auto paper color removal; job separation; automatically straighten
Display	10.1-in (25.65 cm) touchscreen, WXGA Color Graphic Display (CGD)	10.1-in (25.65 cm) touchscreen, WXGA Color Graphic Display (CGD)	10.1-in (25.65 cm) touchscreen, WXGA Color Graphic Display (CGD)
Distinctive ring detection supported	No	No	No
Duplex printing	Automatic	Automatic	Automatic
Duty cycle (monthly, letter)	Up to 180,000 pages; Up to 200,000 pages (with 8EP60AAE); Up to 250,000 pages (with 8EP61AAE); Up to 300,000 pages (with 8EP62AAE)	Up to 200,000 pages; Up to 250,000 pages (with 8EP63AAE); Up to 300,000 pages (with 8EP64AAE)	Up to 200,000 pages; Up to 250,000 pages (with 8EP63AAE); Up to 300,000 pages (with 8EP64AAE)
Ecolabels	EPEAT® registered; IT ECO Declaration; Blue Angel	EPEAT® registered; IT ECO Declaration; Blue Angel	EPEAT® registered; IT ECO Declaration; Blue Angel
Energy star certified	Yes	Yes	Yes
Envelope Feeder	No	No	No
Fax Auto Redial	Yes	Yes	Yes
Fax PC Interface Supported	Yes	Yes	Yes
Fax Polling	Yes (poll to receive only)	Yes (poll to receive only)	Yes (poll to receive only)
Fax Remote Retrieval	No	No	No

Fax Resolution Black (best)	Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)	Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)	Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)
Fax Speed Dials, Maximum Number	Up to 1000 numbers (each with 210 destinations)	Up to 1000 numbers (each with 210 destinations)	Up to 1000 numbers (each with 210 destinations)
Fax delayed sending	No	No	No
Fax forwarding	Yes	Yes	Yes
Fax memory	Up to 500 pages	Up to 500 pages	Up to 500 pages
Fax phone TAM interface supported	No	No	No
Fax telephone mode supported	No	No	No
Fax transmission speed	3 sec per page	3 sec per page	3 sec per page
First copy out black (letter)	As fast as 4.9 sec; As fast as 4.2 sec (with 8EP60AAE); As fast as 3.8 sec (with 8EP61AAE); As fast as 3.5 sec (with 8EP62AAE)	As fast as 3.9 sec; As fast as 3.4 sec (with 8EP63AAE); As fast as 3.3 sec (with 8EP64AAE)	As fast as 3.9 sec; As fast as 3.4 sec (with 8EP63AAE); As fast as 3.3 sec (with 8EP64AAE)
First copy out color (letter)	As fast as 6.5 sec; As fast as 5.6 sec (with 8EP60AAE); As fast as 4.9 sec (with 8EP61AAE); As fast as 4.3 sec (with 8EP62AAE)		
First page out (ready)	Black: As fast as 7.1 sec; As fast as 6.5 sec (with 8EP60AAE); As fast as 6.3 sec (with 8EP61AAE); As fast as 6.2 sec (with 8EP62AAE) [2] [4] 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.	Black: As fast as 6.3 sec; As fast as 6.0 sec (with 8EP63AAE); As fast as 5.9 sec (with 8EP64AAE) [4] [4] 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.	Black: As fast as 6.3 sec; As fast as 6.0 sec (with 8EP63AAE); As fast as 5.9 sec (with 8EP64AAE) [2] [4] 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.
First page out color (letter, ready)	As fast as 8.3 sec; As fast as 7.4 sec (with 8EP60AAE); As fast as 7.0 sec (with 8EP61AAE); As fast as 6.9 sec (with 8EP62AAE)		
Functions	Print, copy, scan, fax (optional)	Print, copy, scan, fax (optional)	Print, copy, scan, fax (optional)
Input capacity	Up to 1140 sheets (Tray1: up to 100 sheets; Tray2: up to 520 sheets; Tray3: up to 520 sheets)	Up to 1140 sheets (Tray1: up to 100 sheets; Tray2: up to 520 sheets; Tray3: up to 520 sheets)	Up to 1140 sheets (Tray1: up to 100 sheets; Tray2: up to 520 sheets; Tray3: up to 520 sheets)
Junk fax barrier	Yes	Yes	Yes
Levels of grayscale	256	256	256
Manufacturer Warranty	90 day parts only warranty. Warranty and support options vary by product, country and local legal requirements. Contact your contractual vendor or go to hp.com/support to learn about HP award winning service and support options in your region.	90 day parts only warranty. Warranty and support options vary by product, country and local legal requirements. Contact your contractual vendor or go to hp.com/support to learn about HP award winning service and support options in your region.	90 day parts only warranty. Warranty and support options vary by product, country and local legal requirements. Contact your contractual vendor or go to hp.com/support to learn about HP award winning service and support options in your region.
Maximum Memory	6GB	6 GB	6 GB
Maximum input capacity (sheets)	Up to 6,140 sheets	Up to 6,140 sheets	Up to 6,140 sheets
Media sizes supported	Tray 1: Letter, Letter R, Legal, Executive, Statement, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 2: Letter, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8,10 x 15, envelope #9, Envelope #10, Envelope Monarch; Tray3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8,10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8,10 x 15, 16k, envelope #9, Envelope #10, EnvelopeMonarch; Tray3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8,10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8,10 x 15, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k

Media sizes, custom	Tray 1: 3.86 x 5.5 to 12.59 x 18 in; Tray 2: 3.86 x 5.5 to 9.5 x 11.69 in; Tray 3: 5.5 x 7.17 to 12.59 x 18 in	Tray 1: 3.86 x 5.5 to 12.59 x 18 in; Tray 2: 3.86 x 5.5 to 9.5 x 11.69 in; Tray 3: 5.5 x 7.17 to 12.59 x 18 in	Tray 1: 3.86 x 5.5 to 12.59 x 18 in; Tray 2: 3.86 x 5.5 to 9.5 x 11.69 in; Tray 3: 5.5 x 7.17 to 12.59 x 18 in
Media types	Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g,Heavy 111-130g, Mid-WtGlossy 96-110g, Heavy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XHvyGlossy 131-175g, HP Matte 200g, HP Glossy 200g, Card-stock 176-220g, Card Glossy 176-220g, Light Paperboard 221-255g, Paperboard 256-300g, Heavy Paperboard, Color Transparency, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Pre-punched, Colored	Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, Mid-Weight 96-110g,Heavy 111-130g, HP Matte 150g, Extra Heavy 131-175g, HP Matte 200g, Card-stock 176-220g, Light Paperboard 221-255g, Paperboard 256-300g, Heavy Paperboard, Mono Transparency, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Pre-punched, Colored	Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g,Heavy 111-130g, Mid-WtGlossy 96-110g, Heavy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XHvyGlossy 131-175g, HP Matte 200g, HP Glossy 200g, Card-stock 176-220g, Card Glossy 176-220g, Light Paperboard 221-255g, Paperboard 256-300g, Heavy Paperboard, Mono Transparency, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Pre-punched, Colored
Media weight, supported	Tray 1, 2, 3: 16 to 86.5 lb bond	Tray 1, 2, 3: 16 to 86.5 lb bond	Tray 1, 2, 3: 16 to 86.5 lb bond
Memory	6GB	6 GB	6 GB
Minimum System Requirements	2 GB available hard disk space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see microsoft.com	2 GB available hard disk space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see microsoft.com	2 GB available hard disk space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see microsoft.com
Mobile printing capability	Apple AirPrint™; Mopria™ Certified; Wi-Fi® Direct Printing; NFC Touch-to-print (optional); PrinterOn Print	Apple AirPrint™; Mopria™ Certified; Wi-Fi® Direct Printing; NFC Touch-to-print (optional); PrinterOn Print	Apple AirPrint™; Mopria™ Certified; Wi-Fi® Direct Printing; NFC Touch-to-print (optional); PrinterOn Print
Network capabilities	Standard (built-in GIGABIT 10/100/1000T Ethernet)	Standard (built-in Gigabit 10/100/1000T Ethernet)	Standard (built-in Gigabit 10/100/1000T Ethernet)
Number of print cartridges	4 (1 each black, cyan, magenta, yellow)	1 (black)	1 (black)
Operating humidity range	20 to 80% RH	20 to 80% RH	20 to 80% RH
Operating temperature range	59 to 86°F	59 to 86°F	59 to 86°F
Output capacity	Up to 500 sheets	Up to 500 sheets	Up to 500 sheets
Paper trays, standard	3	3	3
Power	Input voltage: 110 to 127 VAC (+/-10%), 50/60 Hz (+/-3 Hz), 12.0 A 220 to 240 VAC (+/-10%), 50/60 Hz (+/-3 Hz), 7.0 A 100 VAC (+/-10%), 50/60 Hz (+/-3 Hz), (Not dual voltage, power supply varies by part number with # Option code identifier)	Input voltage: 110 to 127 VAC (+/-10%), 50/60 Hz (+/-3 Hz), 12.0 A 220 to 240 VAC (+/-10%), 50/60 Hz (+/-3 Hz), 7.0 A 100 VAC (+/-10%), 50/60 Hz (+/-3 Hz), (Not dual voltage, power supply varies by part number with # Option code identifier)	Input voltage: 110 to 127 VAC (+/-10%), 50/60 Hz (+/-3 Hz), 12.0 A 220 to 240 VAC (+/-10%), 50/60 Hz (+/-3 Hz), 7.0 A 100 VAC (+/-10%), 50/60 Hz (+/-3 Hz), (Not dual voltage, power supply varies by part number with # Option code identifier)
Power consumption	820 watts (40ppm, printing), 890 watts (50ppm, printing), 1020 watts (60ppm, printing), 1100 watts (70ppm, printing), 41.5 watts (ready), 0.8 watts (sleep), 0.2 watts (auto-off), 0.2 watts (manual-off)	870 watts (50ppm, printing), 1010 watts (60ppm, printing), 1090 watts (70ppm, printing), 36.0 watts (ready), 0.9 watts (sleep), 0.2 watts (auto-off), 0.2 watts (manual-off)	870 watts (50ppm, printing), 1010 watts (60ppm, printing), 1090 watts (70ppm, printing), 36.0 watts (ready), 0.9 watts (sleep), 0.2 watts (auto-off), 0.2 watts (manual-off)
Power supply type	Internal (Built-in) power supply	Internal (Built-in) power supply	Internal (Built-in) power supply
Print languages	HP PCL 5c, HP PCL 6, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible	HP PCL 5e, HP PCL 6, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible	HP PCL 5e, HP PCL 6, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible
Print quality black (normal)	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Print resolution color (normal)	Up to 600 x 600 dpi		
Print speed (A4/letter) footnote number	[3]	[1]	[1]

Print speed black (ISO, letter)	Up to 40 ppm; Up to 50 ppm (with 8EP60AAE); Up to 60 ppm (with 8EP61AAE); Up to 70 ppm (with 8EP62AAE)	Up to 50ppm; Up to 60ppm (with 8EP63AAE); Up to 70ppm (with 8EP64AAE)	Up to 50ppm; Up to 60ppm (with 8EP63AAE); Up to 70ppm (with 8EP64AAE)
Print speed color (ISO)	Up to 40 ppm; Up to 50 ppm (with 8EP60AAE); Up to 60 ppm (with 8EP61AAE); Up to 70 ppm (with 8EP62AAE)		
Print technology	Laser	Laser	Laser
Printer Management	HP Web JetAdmin Software, HP Security Manager, HP SNMP Proxy Agent (Part of HP WebJetAdmin), HP WS Pro Proxy Agent (Part of HP WebJetAdmin), Smart Printer Administrator Resource Kit for HP Smart Universal Print Driver (Driver Configuration, Utility - Driver ,Deployment Utility - Managed Printing Administrator)	HP Web JetAdmin Software, HP Security Manager, HP SNMP Proxy Agent (Part of HP WebJetAdmin), HP WS Pro Proxy Agent (Part of HP WebJetAdmin), Smart Printer Administrator Resource Kit for HP Smart Universal Print Driver (Driver Configuration, Utility - Driver ,Deployment Utility - Managed Printing Administrator)	HP Web JetAdmin Software, HP Security Manager, HP SNMP Proxy Agent (Part of HP WebJetAdmin), HP WS Pro Proxy Agent (Part of HP WebJetAdmin), Smart Printer Administrator Resource Kit for HP Smart Universal Print Driver (Driver Configuration, Utility - Driver ,Deployment Utility - Managed Printing Administrator)
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	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB
Processor speed	Quad Core (1.6GHz), Dual Core (1.4GHz)	Quad Core (1.6GHz), Dual Core (1.4GHz)	Quad Core (1.6GHz), Dual Core (1.4GHz)
Recommended monthly page volume	Up to 60,000	Up to 60,000	Up to 60,000
Recommended operating humidity range	20 to 80% RH	20 to 80% RH	20 to 80% RH
Recommended operating temperature range	15 to 30°C	15 to 30°C	15 to 30°C
Replacement cartridges	HP Black Managed LJ Toner Cartridge (ISO Yield 50,000) W9170MC, HP Cyan Managed LJ Toner Cartridge (ISO Yield 45,000) W9171MC, HP Yellow Managed LJ Toner Cartridge (ISO Yield 45,000) W9172MC, HP Magenta Managed LJ Toner Cartridge (ISO Yield 45,000) W9173MC	HP Black Managed LJ Toner Cartridge (ISO Yield 60,000) W9085MC	HP Black Managed LJ Toner Cartridge (ISO Yield 60,000) W9085MC
Resolution (black and white, standard mode)	203 x 98 dpi	203 x 98 dpi	203 x 98 dpi
Scan file format	PDF, Hi-Compression PDF, PDF/A, Hi-Compression PDF/A, JPEG, TIFF, MTIFF, XPS,PDF (OCR), Hi-Compression PDF (OCR), PDF/A (OCR), Hi-Compression PDF/A (OCR), TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), HTML (OCR), CSV (OCR)	PDF, Hi-Compression PDF, PDF/A, Hi-Compression PDF/A, JPEG, TIFF, MTIFF, XPS	PDF, Hi-Compression PDF, PDF/A, Hi-Compression PDF/A, JPEG, TIFF, MTIFF, XPS,PDF (OCR), Hi-Compression PDF (OCR), PDF/A (OCR), Hi-Compression PDF/A (OCR),TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), HTML (OCR), CSV (OCR)
Scan input modes	Front panel applications: Copy; Fax; Scan to Email; Scan to Network Folder; Scan to USB; Scan to Job Storage; Open Extensibility Platform (OXP), HP Workpath applications	Front panel applications: Copy; Fax; Scan to Email; Scan to Network Folder; Scan to USB; Scan to Job Storage; Open Extensibility Platform (OXP), HP Workpath applications	Front panel applications: Copy; Fax; Scan to Email; Scan to Network Folder; Scan to USB; Scan to Job Storage; Open Extensibility Platform (OXP), HP Workpath applications
Scan resolution, hardware	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Scan resolution, optical	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Scan size (ADF), maximum	297 x 420 mm	297 x 864 mm	305 x 864 mm
Scan size, maximum	297 x 432 mm	297 x 432 mm	297 x 432 mm
Scan speed (normal, letter)	Up to 150 ppm/300 ipm (b&w), up to 150 ppm/300 ipm (color)	Up to 90 ppm/180 ipm (b&w), up to 90 ppm/180 ipm (color)	Up to 150 ppm/300 ipm (b&w), up to 150 ppm/300 ipm (color)
Scan speed duplex (normal, letter)	Up to 300 ipm (b&w), up to 300 ipm (color)	Up to 180 ipm (b&w), up to 180 ipm (color)	Up to 300 ipm (b&w), up to 300 ipm (color)

Scan technology	Platen Scanner CCD Digital-CIS	Platen Scanner CCD Digital-CIS	Platen Scanner CCD Digital-CIS
Scanner advanced features	Embedded OCR; optimize text/picture (auto); scan to multi-destination; automatic tone; auto orientation; multi-feed detection; reverse and retry; document editing; auto paper color removal; job separation (blank page, barcode); watermark; stamps		Embedded OCR; optimize text/picture (auto); scan to multi-destination; automatic tone; auto orientation; multi-feed detection; reverse and retry; document editing; auto paper color removal; job separation (blank page, barcode); watermark; stamps
Scanner type	Flatbed, ADF	Flatbed, ADF	Flatbed, ADF
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 authentication, Supports WJA-10 IPsec configuration Plug-in, 802.1X authentication (EAP-PEAP; EAP-TLS), SNMPv3, HTTPS, Certificates; Data: Storage Encryption, Encrypted PDF & Email, 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), HP Memory Shield™, Embedded Trusted Platform Module, HP Connection Inspector, Security lock slot, USB port disablement; Security management: Compatible with HP Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs	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 authentication, Supports WJA-10 IPsec configuration Plug-in, 802.1X authentication (EAP-PEAP; EAP-TLS), SNMPv3, HTTPS, Certificates; Data: Storage Encryption, Encrypted PDF & Email, 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), HP Memory Shield™, Embedded Trusted Platform Module, HP Connection Inspector, Security lock slot, USB port disablement; Security management: Compatible with HP Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs	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 authentication, Supports WJA-10 IPsec configuration Plug-in, 802.1X authentication (EAP-PEAP; EAP-TLS), SNMPv3, HTTPS, Certificates; Data: Storage Encryption, Encrypted PDF & Email, 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), HP Memory Shield™, Embedded Trusted Platform Module, HP Connection Inspector, Security lock slot, USB port disablement; Security management: Compatible with HP Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs
Software included	No software solutions are included in the box, only on http://hp.com http://123.hp.com	No software solutions are included in the Box only on http://hp.com http://123.hp.com	No software solutions are included in the Box only on http://hp.com http://123.hp.com
Storage temperature range	-10 to 40°C	-10 to 40°C	-10 to 40°C
Telephone handset supported	No	No	No
Twain version	Version 2.4	Version 2.4	Version 2.4
Typical electricity consumption (TEC) number	0.569 kWh/Week (40ppm, Blue Angel), 0.702 kWh/Week (50ppm, Blue Angel); 0.867 kWh/Week (60ppm, Blue Angel); 1.041 kWh/Week (70ppm, Blue Angel); 0.578 kWh/Week (40ppm, Energy Star 3.0), 0.702 kWh/Week (50ppm, Energy Star 3.0), 0.869 kWh/Week (60ppm, Energy Star 3.0), 1.042 kWh/Week (70ppm, Energy Star 3.0)	0.705 kWh/Week (50ppm, Blue Angel), 0.887 kWh/Week (60ppm, Blue Angel); 1.034 kWh/Week (70ppm, Blue Angel); 0.699 kWh/Week (50ppm, Energy Star 3.0), 0.877 kWh/Week (60ppm, Energy Star 3.0), 1.036 kWh/Week (70ppm, Energy Star 3.0)	Value is confirmed0.705 kWh/Week (50ppm, Blue Angel), 0.887 kWh/Week (60ppm, Blue Angel); 1.034 kWh/Week (70ppm, Blue Angel); 0.699 kWh/Week (50ppm, Energy Star 3.0), 0.877 kWh/Week (60ppm, Energy Star 3.0), 1.036 kWh/Week (70ppm, Energy Star 3.0)
Wireless capability	Optional, enabled with purchase of a hardware accessory	Optional, enabled with purchase of a hardware accessory	Optional, enabled with purchase of a hardware accessory

Color Laser Printers

	HP Color LaserJet Managed E55040dn	HP Color LaserJet Managed E65150dn	HP Color LaserJet Managed E65160dn
	3GX99A	**3GY03A**	**3GY04A**
Compatible Network Operating Systems	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; Failover Cluster 2008 R2; Failover Cluster 2012 R2; Terminal server 2008 R2; Remote Desktop server 2012 R2; Citrix Server 6.5; Citrix XenApp & XenDesktop 7.6; Novell iPrint server; "Citrix Ready Kit Certification: Up to Citrix Server 7.18 for more information see http://citrixready.citrix.com; Linux: For more information see http://developers.hp.com/hp-linux-imag Unix: For more information see http://hp.com/go/unixmodelscripts; Linux: For more information see http://developers.hp.com/hp-linux-imag Unix: For more information see http://hp.com/go/unixmodelscripts; UPD PCL6 / PS Printer Drivers: For more information on the supported operating systems go to http://support.hp.com, 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 www.hp.com/go/upd		Windows 11; Windows 8; Windows 7; Windows Server; Linux; Citrix; UNIX
Compatible Operating Systems	Windows Client OS (32/64 bit): Win10, Win8.1, Win7 Starter Edition SP1, UPD Win7 Ultimate; Mobile OS: iOS, Android; Apple® macOS High Sierra v10.13, Apple® macOS Mojave v10.14, Mac: Apple® macOS Catalina v10.15; Discrete PCL6 Printer Driver: For more information on the supported operating systems go to http://support.hp.com, 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: For more information on the supported operating systems go to http://support.hp.com, Enter your product name and	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	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

Connectivity, standard	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 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket
Control panel	4.3-in touchscreen with color graphics	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button
Display	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle)	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle)	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle)
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)
Duty cycle (monthly, letter)	Up to 120,000 pages [7] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.	Up to 150,000 pages [9] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.	Up to 180,000 pages [9] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.
Ecolabels	ENERGY STAR® qualified; EPEAT® Silver	ENERGY STAR® qualified; EPEAT® Silver; CECP	ENERGY STAR® qualified; EPEAT® Silver; CECP
Energy star certified	Yes	Yes	Yes
Envelope Feeder		No	No
First page out (ready)	Black: As fast as 6 sec [6]	Black: As fast as 6.4 sec [12]	Black: As fast as 5.7 sec [12]
First page out color (letter, ready)	As fast as 7 sec	As fast as 6.4 sec	As fast as 5.7 sec
Functions	Print	Print	Print
Input capacity	Up to 650 sheets	Up to 650 sheets	Up to 650 sheets
Manufacturer Warranty	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to http://www.hp.com/support to learn about HP award winning service and support options in your region.	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to hp.com/support to learn about HP award winning service and support options in your region. (wty code 4G)	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to hp.com/support to learn about HP award winning service and support options in your region. (wty code 4G)
Maximum Memory	2 GB	3 GB	3 GB
Maximum input capacity (sheets)	Up to 2300 sheets	Up to 3,200 sheets	Up to 3,200 sheets
Media sizes supported	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: 4.0 x 5.85 to 8.5 x 11.69 in; Optional Trays 3+: letter, legal, oficio, executive, 8.5 x 13; Custom: 4.0 x 5.85 to 8.5 x 14 in	Tray 1: letter, legal, executive, statement, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 550-sheet trays: letter, legal, executive, statement, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 2000-sheet tray: letter, legal	Tray 1: letter, legal, executive, statement, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 550-sheet trays: letter, legal, executive, statement, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 2000-sheet tray: letter, legal
Media sizes, custom	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4.0 x 5.85 to 8.5 x 11.69 in; Optional Trays 3+: 4.0 x 5.85 to 8.5 x 14 in	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 2000-sheet tray: custom sizes not supported	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 2000-sheet tray: custom sizes not supported
Media types	Paper (plain, light, bond, recycled,	Paper (plain, light, bond, recycled,	Paper (plain, light, bond, recycled,

Media weight, supported	Tray 1: 16 to 58 lb (plain); 28 to 58 lb (glossy); Tray 2: 16 to 58 lb (plain paper); 28 to 58 lb (glossy paper); Optional Trays 3+: 16 to 58 lb (plain paper); 28 to 58 lb (glossy paper); Automatic Duplexer: 16 to 43 lb	Tray 1: 16 to 58 lb (plain) 32 to 58 lb (glossy); Tray 2 and automatic two-sided printing unit: 16 to 90 lb (plain) 32 to 58 lb (glossy); Optional Trays 3, 4, 5 1x550-sheet feeders: 16 to 90 lb (plain) 32 to 58 lb (glossy); Optional Tray 4 2,000-sheet high capacity input: 16 to 58 lb (plain)	Tray 1: 16 to 58 lb (plain) 32 to 58 lb (glossy); Tray 2 and automatic two-sided printing unit: 16 to 90 lb (plain) 32 to 58 lb (glossy); Optional Trays 3, 4, 5 1x550-sheet feeders: 16 to 90 lb (plain) 32 to 58 lb (glossy); Optional Tray 4 2,000-sheet high capacity input: 16 to 58 lb (plain)
Memory	1 GB	1 GB	1 GB
Minimum System Requirements	2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see microsoft.com	2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see microsoft.com	2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see microsoft.com
Mobile printing capability	HP ePrint; Apple AirPrint™; Google Cloud Print™; Mopria™ Certified	HP ePrint; Apple AirPrint™; Google Cloud Print™; Mopria™ Certified	HP ePrint; Apple AirPrint™; Google Cloud Print™; Mopria™ Certified
Network capabilities	Via HP Jetdirect Ethernet embedded print server (standard) Supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) Support on Fast Ethernet and Gigabit Ethernet; IPsec (standard)	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).	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).
Number of print cartridges	4 (1 each black, cyan, magenta, yellow)	4 (1 each black, cyan, magenta, yellow)	4 (1 each black, cyan, magenta, yellow)
Operating humidity range	10 to 80% RH	10 to 80% RH	10 to 80% RH
Operating temperature range	59 to 86°F	59 to 86°F	59 to 86°F
Output capacity	Up to 250 sheets	Up to 500 sheets	Up to 500 sheets
Paper trays, standard	2	2	2
Power	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)	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	Input voltage: 100V to 127V nominal (+/-10%), 50 - 60Hz nominal (+/- 3Hz), 12 A; Input voltage: 220V to 240V nominal (+/-10%), 50 - 60Hz nominal (+/- 3Hz), 6 A. Not dual voltage, power supply varies by part number with # Option code identifier.
Power consumption	617 watts (Active Printing), 33.7 watts (Ready), 3.95 watts (Sleep), 1 watt (Auto-Off/wake on LAN), 0.1 watts (Auto-Off/Manual On), 0.1 watts (Off)	690 watts (printing), 31 watts (ready), 0.7 watts (sleep), 0.7 watts (Auto Off/Manual On), 0.1 (Manual Off)	780 watts (printing), 31 watts (ready), 0.7 watts (sleep), 0.7 watts (Auto Off/Manual On), 0.1 (Manual Off)
Power supply type	Internal (built-in) Power Supply	Built-in 115V or 220V Power Supply	Internal (built-in) 115V or 220V Power Supply (Not dual voltage, power supply varies by part number with # Option code identifier)
Print languages	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation, native PDF printing (v 1.7), URF (AirPrint)	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™	HP PCL 6, HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™
Print quality black (best)	HP ImageREt 3600	Up to 1200 x 1200 dpi	Up to 1200 x 1200 dpi
Print quality black (normal)	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Print quality color (best)	HP ImageREt 3600	Up to 1200 x 1200 dpi	Up to 1200 x 1200 dpi
Print resolution color (normal)	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Print speed (A4/letter) footnote number	[5]	[14]	[14]
Print speed black (ISO, letter)	Up to 40 ppm	Up to 50 ppm	Up to 60 ppm
Print speed color (ISO)	Up to 40 ppm	Up to 50 ppm	Up to 60 ppm

Print technology	Laser	Laser	Laser
Printer Management	Yes	HP Printer Assistant; HP Device Toolbox; HP Web JetAdmin Software; HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)	HP Printer Assistant; HP Device Toolbox; HP Web JetAdmin Software; HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)
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, HP EasyColor	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB, HP EasyColor	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB, HP EasyColor
Processor speed	1.2 GHz	1.2 GHz	1.2 GHz
Recommended monthly page volume	2000 to 15,000 [8] 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.	3,000 to 24,000 [10]	4,000 to 30,000 [10]
Recommended operating humidity range	30 to 70% RH	30 to 70% RH	30 to 70% RH
Recommended operating temperature range	17.5 to 25°C	17.5 to 25°C	17.5 to 25°C
Replacement cartridges	HP CF360XC High Yield Black Contract Original LaserJet Toner Cartridge (~ 14,900 pages) CF360XC; HP CF361XC High Yield Cyan Contract Original LaserJet Toner Cartridge (~ 11,700 pages) CF361XC; HP CF362XC High Yield Yellow Contract Original LaserJet Toner Cartridge (~ 11,700 pages) CF362XC; HP CF363XC High Yield Magenta Contract Original LaserJet Toner Cartridge (~ 11,700 pages) CF363XC; HP W9060MC Black Managed LaserJet Toner Cartridge (~15,000 pages) W9060MC; HP W9061MC Cyan Managed LaserJet Toner Cartridge (~12,200 pages) W9061MC; HP W9062MC Yellow Managed LaserJet Toner Cartridge(~12,200 pages) W9062MC; HP W9063MC Magenta Managed LaserJet Toner Cartridge (~12,200 pages) W9063MC	HP Black Managed LaserJet Toner Cartridge (~32,200 yield) W9000MC; HP Cyan Managed LaserJet Toner Cartridge (~28,000 yield) W9001MC; HP Yellow Managed LaserJet Toner Cartridge (~28,000 yield) W9002MC; HP Magenta Managed LaserJet Toner Cartridge (~28,000 yield) W9003MC. This printer uses newer generation HP cartridges identifiable by a "P" at the end of the cartridge lot number. More at www.hp.com/go/learnaboutsupplies	HP Black Managed LaserJet Toner Cartridge (~32,200 yield) W9000MC; HP Cyan Managed LaserJet Toner Cartridge (~28,000 yield) W9001MC; HP Yellow Managed LaserJet Toner Cartridge (~28,000 yield) W9002MC; HP Magenta Managed LaserJet Toner Cartridge (~28,000 yield) W9003MC. This printer uses newer generation HP cartridges identifiable by a "P" at the end of the cartridge lot number. More at www.hp.com/go/learnaboutsupplies
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;	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;	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;

Software included	No software solutions are included in the Box only on http://hp.com, http://123.hp.com	No software solutions are included in the Box, only on http://hp.com, http://123.hp.com	No software solutions are included in the Box, only on http://hp.com, http://123.hp.com
Storage temperature range	-20 to 40°C	-20 to 40°C	-20 to 40°C
Typical electricity consumption (TEC) number	1.316 kWh/Week (Blue Angel); 0.388 kWh/Week (Energy Star 3.0)	1.93 kWh/Week (Blue Angel); 0.563 kWh/Week (Energy Star 3.0)	2.27 kWh/Week (Blue Angel); 0.693 kWh/Week (Energy Star 3.0)
Wireless capability		Optional, enabled with purchase of a wireless hardware accessory. Single band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory J8030A, Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A, Dual band Wireless Station functionality available with HP Jetdirect 2900nw Print Server J8031A	Optional, enabled with purchase of a wireless hardware accessory. Single band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory J8030A, Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A, Dual band Wireless Station functionality available with HP Jetdirect 2900nw Print Server J8031A

Color Laser Printers

**HP Color LaserJet Managed
E85055dn**

T3U66A

Compatible Network Operating Systems	Windows 11; Windows Server; Citrix; Novell
Compatible Operating Systems	Windows 11; Windows Client OS; Windows 10; Windows 8.1; Windows 7; Mobile OS; iOS; Android; macOS 10.13 High Sierra; macOS 10.14 Mojave; macOS 10.15 Catalina
Connectivity, standard	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 rear host ports; 1 walkup USB 2.0 host port; 1 Gigabit/Fast Ethernet 10/100/1000 Base-TX network port; 1 Hardware Integration Pocket 2nd generation (HIP2)
Control panel	4.3-in IR-touch panel with home button
Display	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle)
Duplex printing	Automatic (standard)
Duty cycle (monthly, letter)	Up to 250,000 pages [14] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.
Ecolabels	ENERGY STAR® qualified; EPEAT® Silver; CECP
Energy star certified	Yes
Envelope Feeder	No
First page out (ready)	Black: As fast as 5.9 sec [13] Measured using ISO/IEC 17629. For more information see http://www.hp.co Exact speed varies depending on the system configuration software application driver and document complexity.
First page out color (letter, ready)	As fast as 6.3 sec
Functions	Print
Input capacity	Up to 650 sheets (80 g/m² paper)
Manufacturer Warranty	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Contact your Contractual Vendor or go to hp.com/support to learn about HP award winning service

Maximum Memory	3.5 GB
Maximum input capacity (sheets)	Up to 4450 sheets (80 g/m² paper)
Media sizes supported	100-sheet multipurpose Tray 1: Statement, 3 x 5 index card, 4 x 6 index card, 5 x 7 index card, 5 x 8 index card, Letter, Letter-R, Legal, Executive, 11 x 17 in; 8.5 x 13, 12 x 18, Envelopes: #9, #10, Monarch; 550-sheet input Tray 2: Letter, Letter-R, Legal, Executive, 8.5 x 13, 11 x 17 in; Optional 1x550 and 2x550 tray and stand: Letter, Letter-R, Legal, Executive, 8.5 x 13, 11 x 17 in, 12 x 18; Optional 2700-sheet HCI paper tray and stand: Letter
Media sizes, custom	100 -sheet multipurpose Tray 1: 2.5 x 5 to 12.6 x 18 in; 550-sheet input Tray 2: 5.8 x 5.8 to 11.7 x 17 in; Optional 1x550 and 2x550 tray and stand: 5.8 x 5.8 to 12.6 x 18 in; Optional 2700-sheet HCI paper tray and stand: 11 x 8.27 to 11.7 x 8.5 in
Media types	Paper (plain, heavy, extra heavy, glossy, light, recycle, tough), envelopes, labels, glossy film, cardstock, transparencies
Media weight, supported	100-sheet multipurpose Tray 1: 16 to 80 lb, 550-sheet input Tray 2: 16 to 68 lb, Optional 1x550 and 2x550 tray and stand: 16 to 68 lb, Optional 2700-sheet HCI paper tray and stand: 16 to 68 lb
Memory	1.5 GB
Minimum System Requirements	2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see microsoft.com
Mobile printing capability	HP ePrint; Apple AirPrint™; Google Cloud Print™; Mopria™ Certified; ROAM capable for easy printing
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)
Number of print cartridges	4 (1 each black, cyan, magenta, yellow)
Operating humidity range	10 to 80% RH
Operating temperature range	50 to 90.5°F
Output capacity	Up to 500 sheets
Paper trays, standard	2
Power	Input voltage: 100 V to 127 V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3 Hz), 12 A; Input voltage: 220 V to 240 V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3 Hz), 6 A. Not dual voltage, power supply varies by part number with # Option code identifier.

Power consumption	870 watts (printing), 77 watts (Ready), 0.7 watts (Sleep), 0.7 watts (HP Auto-Off/Auto On), 0.08 watts (Auto-Off), 0.08 watts (Off)
Power supply type	Built-in 115V or 220V Power Supply
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™, Google Cloud Print
Print quality black (best)	Up to 1200 x 1200 dpi
Print quality black (normal)	Up to 600 x 600 dpi
Print quality color (best)	Up to 1200 x 1200 dpi
Print resolution color (normal)	Up to 600 x 600 dpi
Print speed (A4/letter) footnote number	[11]
Print speed black (ISO, letter)	Up to 55 ppm
Print speed color (ISO)	Up to 55 ppm
Print technology	Laser
Printer Management	HP Device Toolbox; HP JetAdvantage Security Manager; HP Printer Assistant; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver: Driver Configuration Utility, Driver Deployment Utility, Managed Printing Administrator
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, HP EasyColor
Processor speed	1.2 GHz
Recommended monthly page volume	Up to 50,000 [15] HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.
Recommended operating humidity range	30 to 70% RH
Recommended operating temperature range	15 to 27°C
Replacement cartridges	W9010MC HP Black Managed LaserJet Toner Cartridge (~37,500 pages); W9011MC HP Cyan Managed LaserJet Toner Cartridge (~35,000 pages); W9012MC HP Yellow Managed LaserJet Toner Cartridge (~35,000 pages); W9013MC HP Magenta Managed LaserJet Toner Cartridge (~35,000 pages); W9018MC HP Managed LaserJet Imaging Drum (~75,000 pages, universal for all 4 colors)

Security management	Management security: SNMPv3, Web Services over port 7627, SSL/TLS TLS 1.0/1.1/1.2, FIPS 140-2, Certificate Management, Embedded Web Server, WPA2-Enterprise, 802.1X authentication (EAP-PEAP, EAP-TLS), IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in
Software included	No software solutions are included in the Box only on http://hp.com, http://123.hp.com
Storage temperature range	-20 to 40°C
Typical electricity consumption (TEC) number	2.669 kWh/Week (Blue Angel); 0.725 kWh/Week (Energy Star 3.0)
Wireless capability	Optional, enabled with purchase of a wireless hardware accessory. Single band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory J8030A, Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A, Dual band Wireless Station functionality available with HP Jetdirect 2900nw Print Server J8031A

HP Color LaserJet Managed Flow MFP E57540c

[1] Toner cartridge yields established using ISO/IEC test standards. Actual yields and costs vary considerably depending on images printed, number of color pages printed, and other factors.

[2] Without Tray 1 or Legal extension extended

[3] With printer cartridges

[4] 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.

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

[6] Average color composite (C/M/Y) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutSupportlies

[7] HP SureSupply alerts you when your print cartridge is running low and helps you purchase online or locally through HP or a participating retailer. Only available with Original HP supplies; Internet access required. To learn more, visit http://www.hp.com/go/SureSupply

[8] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.

[9] 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.

[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.

[11] HP recommends that the number of scanned pages per month be within the stated range for optimum device performance.

[12] Not all "Compatible Operating Systems" are supported with INBOX software; Full solution software available only for Windows 7 and newer; Legacy Windows Operating Systems (XP, Vista, and equivalent servers) get print and Scan drivers only; Windows RT OS for Tablets (32- & 64-bit) uses a simplified HP print driver built into the RT OS; UNIX modelscripts are available on HP.com (Modelscripts are printer drivers for UNIX operating systems); Linux systems use in-OS HPLIP software.

[13] Original HP LaserJet "A" and "X" toner cartridges are also compatible with this product.

[14] Wireless operations are compatible with 2.4 GHz operations only. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at http://www.hp.com/go/mobileprinting

HP LaserJet Managed Flow MFP E52645c

[1] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

[2] In box cartridge yields 7,500 black pages based on ISO/IWC 19752 and continuous printing. Actual pages may vary considerably based on images printed and other factors. For more information, visit: http://www.hp.com/go/learnaboutsupplies.

[3] With print cartridges

[4] 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. Power consumption values typically based on measurement of 115V device.

[5] Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit: http://www.hp.com/go/learnaboutsupplies

[6] Configuration tested: base model, simplex printing, A4 paper at an average of 43 ppm

[7] 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.

[8] 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.

[9] Best TEC is not applicable to ES 2.0 TEC. This measurement was made with the printer configuration optimized for energy efficiency. Minimum sleep delay was used, Wi-Fi Direct was disabled and Active I/O - Energy Efficient Ethernet - was used.

[10] Solution software available on http://www.123.hp.com

[11] FCC Class A emissions - for use in commercial environments, not residential environments

[12] Configuration tested: base model, simplex printing, A4 paper at an average of 43 ppm

[13] 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.

[14] Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.

[15] 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.

HP LaserJet Managed MFP E52645dn

[1] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

[2] In box cartridge yields 7,500 black pages based on ISO/IWC 19752 and continuous printing. Actual pages may vary considerably based on images printed and other factors. For more information, visit: http://www.hp.com/go/learnaboutsupplies.

[3] With print cartridges

[4] 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. Power consumption values typically based on measurement of 115V device.

[5] Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit: http://www.hp.com/go/learnaboutsupplies

[6] Configuration tested: base model, simplex printing, A4 paper at an average of 43 ppm

[7] 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.

[8] 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.

[9] Best TEC is not applicable to ES 2.0 TEC. This measurement was made with the printer configuration optimized for energy efficiency. Minimum sleep delay was used, Wi-Fi Direct was disabled and Active I/O - Energy Efficient Ethernet - was used.

[10] Solution software available on http://www.123.hp.com

[11] FCC Class A emissions - for use in commercial environments, not residential environments

[12] Configuration tested: base model, simplex printing, A4 paper at an average of 43 ppm

[13] 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.

[14] Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.

[15] 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.

HP Color LaserJet Managed MFP E57540dn

[1] Toner cartridge yields established using ISO/IEC test standards. Actual yields and costs vary considerably depending on images printed, number of color pages printed, and other factors.

[2] Without Tray 1 or Legal extension extended

[3] With printer cartridges

[4] 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.

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

[6] Average color composite (C/M/Y) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutSupportlies

[7] HP SureSupply alerts you when your print cartridge is running low and helps you purchase online or locally through HP or a participating retailer. Only available with Original HP supplies; Internet access required. To learn more, visit http://www.hp.com/go/SureSupply

[8] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.

[9] 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.

[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.

[11] HP recommends that the number of scanned pages per month be within the stated range for optimum device performance.

[12] Not all "Compatible Operating Systems" are supported with INBOX software; Full solution software available only for Windows 7 and newer; Legacy Windows Operating Systems (XP, Vista, and equivalent servers) get print and Scan drivers only; Windows RT OS for Tablets (32- & 64-bit) uses a simplified HP print driver built into the RT OS; UNIX modelscripts are available on HP.com (Modelscripts are printer drivers for UNIX operating systems); Linux systems use in-OS HPLIP software.

[13] Original HP LaserJet "A" and "X" toner cartridges are also compatible with this product.

[14] Wireless operations are compatible with 2.4 GHz operations only. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at http://www.hp.com/go/mobileprinting

HP Color LaserJet Managed MFP E877dn

[1] 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.

[2] 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.

[3] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

[4] Approximate average yield based on ISO/IEC 19798. Actual yield varies considerably based on content of printed pages and other factors. For details, see http://www.hp.com/go/learnaboutsupplies .

[7] First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see hp.com/go/printer claims. Exact speed varies depending on the system configuration and document.

[8] Acoustic values are subject to change. For current information see https://www.hp.com/support

HP LaserJet Managed MFP E62655dn

[1] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

[2] Standard cartridges included; yields 11,000 black pages. Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[3] With print cartridges

[4] 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. Power consumption values typically based on measurement of 115V device.

[5] Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[6] 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://hp.com/go/roam

[7] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.

[8] 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.

[9] HP recommends that the number of scanned pages per month be within the stated range for optimum device performance.

[10] FCC Class A emissions - for use in commercial environments, not residential environments.

[11] 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.

[12] 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.

[13] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

[14] Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.

[15] 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 and document complexity.

HP LaserJet Managed Flow MFP E62665z

[1] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

[2] Standard cartridges included; yields 11,000 black pages. Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[3] With print cartridges

[4] 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. Power consumption values typically based on measurement of 115 V device.

[5] Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[6] To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Customer can purchase the HP Jetdirect 3100w BLE/NFC/Wireless accessory or the RadBeacon USB.

[7] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.

[8] HP recommends that the number of scanned pages per month be within the stated range for optimum device performance.

[9] FCC Class A emissions - for use in commercial environments, not residential environments.

[10] 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 115 V device.

[11] 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.

[12] 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.

[13] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

[14] Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.

[15] 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 and document complexity.

HP LaserJet Managed E60165dn

[1] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

[2] Standard cartridges included; yields 11,000 black pages. Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[3] With print cartridges

[4] 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. Power consumption values typically based on measurement of 115 V device.

[5] 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 115 V device.

[6] Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.

[7] Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[8] To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Customer can purchase the HP Jetdirect 3100w BLE/NFC/Wireless accessory or the RadBeacon USB.

[9] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.

[10] 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.

[11] 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.

[12] 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.

HP LaserJet Managed E60155dn

[1] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

[2] Standard cartridges included; yields 11,000 black pages. Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[3] With print cartridges

[4] 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. Power consumption values typically based on measurement of 115V device.

[5] 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 115 V device.

[6] Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.

[7] Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[8] Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[9] To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Customer can purchase the HP Jetdirect 3100w BLE/NFC/Wireless accessory or the RadBeacon USB.

[10] Acoustic values are subject to change. For current information see http://www.hp.com/support. Configuration tested: base model, simplex printing, A4 paper at an average of 51 ppm.

[11] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.

[12] 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.

[13] Solution software available on 123.hp.com

[14] 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.

[15] 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.

HP Color LaserJet Managed MFP E877z

[1] 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.

[2] 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.

[3] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

[4] Approximate average yield based on ISO/IEC 19798. Actual yield varies considerably based on content of printed pages and other factors. For details, see http://www.hp.com/go/learnaboutsupplies.

[7] First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see hp.com/go/printer claims. Exact speed varies depending on the system configuration and document.

[8] Acoustic values are subject to change. For current information see https://www.hp.com/support

HP LaserJet Managed MFP E826dn

[1] 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.

[2] 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.

[3] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

[4] Approximate average yield based on ISO/IEC 19752. Actual yield varies considerably based on content of printed pages and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[7] First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see hp.com/go/printer claims. Exact speed varies depending on the system configuration and document.

[8] Acoustic values are subject to change. For current information see https://www.hp.com/support

[5] 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.

HP Color LaserJet Managed E65150dn

[1] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

[2] Standard cartridges included; yields 12,500 black and 10,500 color composite (C/M/Y) pages. Average black and average color composite (C/M/Y) declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[3] With print cartridges.

[4] 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. Power consumption values typically based on measurement of 115 V device.

[5] 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 115 V device.

[6] Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.

[7] Average black declared yields based on ISO/IEC 19752 and continuous printing. Average color composite (C/M/Y) declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[8] Acoustic Values are subject to change. Configuration tested: base model, simplex printing, A4 paper at an average of 48 ipm.

[9] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.

[10] 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.

[11] Solution software available on http://www.123.hp.com

[12] 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.

[13] Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.

[14] 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.

[15] 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.

HP LaserJet Managed E60175dn

[1] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

[2] Standard cartridges included; yields 11,000 black pages. Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[3] With print cartridges

[4] 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. Power consumption values typically based on measurement of 115V device.

[5] 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 115 V device.

[6] Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.

[7] Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[8] Acoustic values are subject to change. For current information see http://www.hp.com/support. Configuration tested: base model, simplex printing, A4 paper at an average of 71 ppm.

[9] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.

[10] 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.

[11] 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.

[12] 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.

HP Color LaserJet Managed E65160dn

[1] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

[2] Standard cartridges included; yields 12,500 black and 10,500 color composite (C/M/Y) pages. Average black and average color composite (C/M/Y) declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[3] With print cartridges.

[4] 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. Power consumption values typically based on measurement of 115 V device.

[5] 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 115 V device.

[6] Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.

[7] Average black declared yields based on ISO/IEC 19752 and continuous printing. Average color composite (C/M/Y) declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[8] Acoustic Values are subject to change. Configuration tested: base model, simplex printing, A4 paper at an average of 57 ipm.

[9] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.

[10] 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.

[11] Solution software available on http://www.123.hp.com

[12] 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.

[13] Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.

[14] 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.

HP LaserJet Managed Flow MFP E826z

[1] 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.

[2] 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.

[3] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

[4] Approximate average yield based on ISO/IEC 19752. Actual yield varies considerably based on content of printed pages and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[7] First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see hp.com/go/printer claims. Exact speed varies depending on the system configuration and document.

[8] Acoustic values are subject to change. For current information see https://www.hp.com/support

[5] 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.

HP Color LaserJet Managed E55040dn

[1] Without printer cartridges

[2] 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. Power consumption in Auto-Off mode depends on customer network switch capability, user configuration and network activity. Off-mode power may vary while checking network packets for print jobs.

[3] Average color composite (C/M/Y) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies

[4] Acoustic values are subject to change. For current information see http://www.hp.com/support. Configuration tested: base model, simplex printing, A4 paper at an average of 38 ppm.

[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] 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.

[7] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.

[8] 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.

[9] HP SureSupply alerts you when your print cartridge is running low and helps you purchase online or locally through HP or a participating retailer. Only available with Original HP supplies; Internet access required. To learn more, visit http://www.hp.com/go/SureSupply.

[10] Not all Compatible Operating Systems are supported with In-box software. Full solution software available only for Windows 7 and newer. Legacy Windows Operation Systems (XP, Vista, and equivalent servers) get print and Scan drivers only. Windows RT OS for Tablets (32-bit and 64-bit) uses a simplified HP print driver built into the RT OS. UNIX model scripts are available on http://www.hp.com (Model scripts are print drivers for UNIX operating systems); Linux systems use in-OS HPLIP software.

[11] Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.

[12] Original HP LaserJet "A" and "X" toner cartridges are also compatible with this product.

HP LaserJet Managed E50145dn

[1] In box cartridge yields 5,000 black pages based on ISO/IWC 19752 and continuous printing. Actual pages may vary considerably based on images printed and other factors. For more information, visit: http://www.hp.com/go/learnaboutsupplies.

[2] With print cartridges

[3] Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit: http://www.hp.com/go/learnaboutsupplies

[4] To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Customer can purchase the HP Jetdirect 3100w BLE/NFC/Wireless accessory or the RadBeacon USB.

[5] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.

[6] 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.

[7] Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.

[8] 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.

[9] 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.

[10] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country

[11] 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. Power consumption values typically based on measurement of 115 V device.

[12] 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 115 V device.

[13] Best TEC is not applicable to the ES 2.0 TEC. This measurement was made with the printer configuration optimized for energy efficiency. Minimum Sleep Delay was used, Wi-Fi Direct was disabled, and Active I/O - Energy Efficient Ethernet was used.

[14] Acoustic values are subject to change. For current information see http://www.hp.com/support. Configuration tested: base model, simplex printing, A4 paper at an average of 43 ppm.

HP Color LaserJet Managed Flow MFP E67660z

[1] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

[2] Standard cartridges included; yields 12,500 black and 10,500 color composite (C/M/Y) pages. Average black and average color composite (C/M/Y) declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[3] With print cartridges

[4] 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. Power consumption values typically based on measurement of 115V device.

[5] Average black declared yields based on ISO/IEC 19752 and continuous printing. Average color composite (C/M/Y) declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[6] 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://hp.com/go/roam

[7] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.

[8] 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.

[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.

[10] Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.

[11] FCC Class A emissions - for use in commercial environments, not residential environments.

[12] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

[13] 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.

[14] Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.

[15] 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.

HP Color LaserJet Managed MFP E67650dh

[1] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

[2] Standard cartridges included; yields 12,500 black and 10,500 color composite (C/M/Y) pages. Average black and average color composite (C/M/Y) declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[3] With print cartridges

[4] 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. Power consumption values typically based on measurement of 115V device.

[5] Average black declared yields based on ISO/IEC 19752 and continuous printing. Average color composite (C/M/Y) declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[6] 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://hp.com/go/roam

[7] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.

[8] 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.

[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.

[10] Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.

[11] FCC Class A emissions - for use in commercial environments, not residential environments.

[12] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

[13] 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.

[14] Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.

[15] 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.

HP Color LaserJet Managed E85055dn

[1] Optional 500 GB Hard Disk

[2] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

[3] Standard cartridges included; yields 16,000 black and 13,000 color composite (C/M/Y) pages. Average black and color composite (C/M/Y) declared toner yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[4] With no accessories and multi-purpose tray closed

[5] With print cartridges

[6] 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. Power consumption values typically based on measurement of 115V device.

[7] BA TEC is equal to Best TEC. 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 Version 3.0 TEC is not comparable to Energy Star Version 2.0 TEC values or BA TEC values. BA uses Energy Star Version 2.0 TEC. Energy Star value typically based on measurement of 115V device.

[8] Average black and color composite (C/M/Y) declared toner yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

[9] 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://hp.com/go/roam

[10] To achieve maximum memory, purchase a DIMM accessory (TAA compliant only with TAA compliant DIMM). A firmware update may be required for configuration page to accurately reflect the accessory DIMM is installed.

[11] 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.

[12] Measured using ISO 24734 Feature Test A5 Landscape Feed. Speed may vary based on content PC media orientation and media type.

[13] 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.

[14] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.

[15] HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.

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