

HP LaserJet (Mono and Colour)

March 2018 Edition



Single Function Mono and Colour Printers



(M12w shown)



(M102w shown)



(M203dw shown)



(M154nw shown)



(M254dw shown)

Technical Specifications

	HP LaserJet Pro M12 Series	HP LaserJet Pro M102 Series	HP LaserJet Pro M203 Series	HP Color LaserJet Pro M154 Series	HP Color LaserJet Pro M254 Series
Product Description	Depend on professional quality and trusted HP performance, using the lowest-priced and smallest laser printer from HP ¹⁴ . Easily save space and budget.	Keep things simple with an affordable HP LaserJet Pro powered by JetIntelligence Toner cartridges. Produce consistent, professional documents from a compact laser printer designed for efficiency.	Get more pages, performance, and protection ¹ from an HP LaserJet Pro powered by JetIntelligence Toner cartridges. Set a faster pace for your business. Print two-sided documents right away, and easily manage to help maximize efficiency.	Get vibrant colour and fast print speeds to drive efficiency – for a great value.	Impress with colour and increase efficiency. Achieve fast print speeds, including the fastest in-class First Page Out Time (FPOT). ¹⁴ Count on intuitive security solutions, produce extraordinary colour prints, and get easy mobile printing. ¹⁵
Number of users	1-3 users	1-5 users	1-5 users	1-3 Users	3-10 Users
Function	Print only	Print only	Print only	Print only	Print only
Print					
Technology	Laser	Laser	Laser	Laser	Laser
Duplex print options	No, manual	No, manual	Yes, Automatic	Not applicable	Yes
Speed¹	Black (normal, A4): Up to 18 ppm	Black (normal, A4): Up to 22 ppm	Black (A4, normal): Up to 28 ppm; Black (A4, duplex): Up to 18 ppm	Black/Colour (A4, normal): Up to 16 ppm	Black/Colour (A4, normal): Up to 21 ppm; Black/Colour, Duplex (A4, normal): Up to 13/12 ppm
First page out (A4, ready)⁸	Black (A4, ready): As fast as 9.2 seconds; Black (A4, sleep): As fast as 9.3 seconds	Black (A4, ready): As fast as 7.3 seconds; Black (A4, sleep): As fast as 8.1 seconds	Black (A4, ready): As fast as 6.7 seconds; Black (A4, sleep): As fast as 8.0 seconds	M154a: Black (A4, ready): As fast as 11.5 sec; Black (A4, sleep): As fast as 13.8 sec; Colour (A4, ready): As fast as 13.4 sec; Colour (A4, sleep): As fast as 15 sec; M154nw: Black (A4, ready): As fast as 12 sec; Black (A4, sleep): As fast as 12.5 sec; Colour (A4, ready): As fast as 13.5 sec; Colour (A4, sleep): As fast as 13.9 sec	M254dw: Black (A4, ready): As fast as 10.30 sec; Black (A4, sleep): As fast as 12 sec; Colour (A4, ready): As fast as 11.90 sec; Colour (A4, sleep): As fast as 12.3 sec; M254nw: Black (A4, ready): As fast as 10.70 sec; Black (A4, sleep): As fast as 12.3 sec; Colour (A4, ready): As fast as 12.10 sec; Colour (A4, sleep): As fast as 12.6 sec
Resolution	Black (best): Up to 600 x 600 x 2 dpi; Black (normal): Up to 400 x 600 x 2 dpi (600 dpi effective output); Black (fine lines): Up to 600 x 600 x 2 dpi	Black (best): Up to 600 x 600 dpi, HP FastRes 1200 (1200 dpi quality); Black (normal): Up to 600 x 400 dpi, HP FastRes 600 (600 dpi quality)	Black (best): Up to 1200 x 1200 dpi; Black (normal): Up to 600 x 600 dpi, HP FastRes 1200 (1200 dpi quality)	Black (best): Up to 600 x 600 dpi; Colour (best): Up to 600 x 600 dpi	Black (best): Up to 600 x 600 dpi; Colour (best): Up to 600 x 600 dpi
Languages	Host-based printing	PCLmS, URF, PWF	PCLSc, PCL6, PS, PCLm, PDF, URF, PWF	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PCLm, PDF, URF	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PCLm, PDF, URF
Wireless capability	M12a: No; M12w: Yes	M102a: No; M102w: Standard (Wi-Fi 802.11b/g/n)	M203d/n: No; M203dw: Yes, built-in Wi-Fi 802.11b/g/n	M154a: No; M154nw: Built-in 802.11 b/g/n; authentication via WEP/WPA/WPA2, or 802.11x; encryption via AES or TKIP; WPS; Wi-Fi Direct	Built-in 802.11 b/g/n authentication via WEP/WPA/WPA2, or 802.11x; encryption via AES or TKIP; WPS; Wi-Fi Direct
Mobile printing capability	M12a: No; M12w: HP ePrint; Mopria™-certified; Mobile Apps	M102a: No; M102w: Apple AirPrint™; HP ePrint; Google Cloud Print 2.0; Mopria-certified; Wi-Fi Direct; HP Smart App	M203d: No; M203dn: HP ePrint; AirPrint 1.5 with media presence sensor; Google Cloud Print™ 2.0; M203dw: HP ePrint; Wi-Fi Direct Printing; AirPrint 1.5 with media presence sensor; Google Cloud Print™ 2.0; HP Smart App	M154a: No; M154nw: HP ePrint; Apple AirPrint™; Mopria™-certified; Wireless Direct Printing; Mobile Apps	HP ePrint; Apple AirPrint™; Mopria™-certified; Wireless Direct Printing; Mobile Apps
Print cartridges number	1 Black	1 Black	1 Black	4 (1 each black, cyan, magenta, yellow)	4 (1 each black, cyan, magenta, yellow)
Printer management	HP Status and Alerts; (CD install only)	HP Printer Assistant (UDC); HP Device Toolbox; HP Utility (Mac)	HP Printer Assistant (UDC); HP Utility (Mac); HP Device Toolbox; HP JetAdvantage Security Manager	HP Printer Assistant (UDC); HP Utility (Mac); HP Device Toolbox; HP JetAdvantage Security Manager	HP Printer Assistant (UDC); HP Utility (Mac); HP Device Toolbox; HP JetAdvantage Security Manager
Display	None	LED	LED	Button and LED control panel	M254dw: 6.85 cm (2.7-inch) colour touchscreen; M254nw: 2-line graphical LCD display with keypad
Media					
Automatic document feeder	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Duty cycle (monthly, A4)⁹	Up to 5,000 pages	Up to 10,000 pages	Up to 30,000 pages	Up to 30,000 pages	Up to 40,000 pages
Recommended monthly volume	100 to 1,000 pages	150 to 1,500 pages	250 to 2,500 pages	150 to 1,500 pages	150 to 2,500 pages
Paper handling	150-sheet input tray; 100-sheet output tray	M102a: 150-sheet input tray; 100-sheet output tray; M102w: 150-sheet input tray; 100-sheet output tray; 10-sheet priority tray	250-sheet input tray; 10-sheet priority tray; 150-sheet output tray	150-sheet input tray; 100-sheet output bin	M254nw: 250-sheet input tray; 100-sheet output bin; M254dw: 250-sheet input tray; 100-sheet output bin; 1-sheet priority tray
Supported sizes	A4; A5; A6; B5; postcards; envelopes (C5, DL, B5)	A4; A5; A6; B5 (US)	A4; A5; B5 (US); A6	Letter (216 x 280); Legal (216 x 356); Executive (184 x 267); Office 8.5 x 13 (216 x 330); 4 x 6 (102 x 152); 5 x 8 (127 x 203); A4 (210 x 297); A5 (148 x 210); A6 (105 x 148); B5 (US) (182 x 257); B6 (US) (128 x 182); 10 x 15cm (100 x 150); Office 216 x 340mm (216 x 340); 16K 195 x 270mm (195 x 270); 16K 184 x 260mm (184 x 260); 16K 197 x 273mm (197 x 273); Postcard (US) (100 x 147); Double Postcard (US) (147 x 200); Envelope #10 (105 x 241); Envelope Monarch (98 x 191); Envelope B5 (176 x 250); Envelope C5 (162 x 229); Envelope DL (110 x 220); A5-R (210 x 148)	Letter (216 x 280); Legal (216 x 356); Executive (184 x 267); Office 8.5 x 13 (216 x 330); 4 x 6 (102 x 152); 5 x 8 (127 x 203); A4 (210 x 297); A5 (148 x 210); A6 (105 x 148); B5 (US) (182 x 257); B6 (US) (128 x 182); 10x15cm (100 x 150); Office 216 x 340mm (216 x 340); 16K 195 x 270mm (195 x 270); 16K 184 x 260mm (184 x 260); 16K 197 x 273mm (197 x 273); Postcard (US) (100 x 147); Double Postcard (US) (147 x 200); Envelope #10 (105 x 241); Envelope Monarch (98 x 191); Envelope B5 (176 x 250); Envelope C5 (162 x 229); Envelope DL (110 x 220); A5-R (210 x 148)
Supported weights	60 to 163 g/m ²	60 to 163 g/m ²	60 to 163 g/m ²	60 to 163 g/m ² . (Uncoated/Matte, recommended), however up to 175 g/m ² Postcards and 200 g/m ² HP Matte is allowed in the driver; 60 to 163 g/m ² (Coated/Glossy, recommended), however up to 175 g/m ² Postcards and 220 g/m ² HP Glossy is allowed in the driver.	60 to 163 g/m ² . (Uncoated/Matte, recommended), however up to 175 g/m ² Postcards and 200 g/m ² HP Matte is allowed in the driver; 60 to 163 g/m ² (Coated/Glossy, recommended), however up to 175 g/m ² Postcards and 220 g/m ² HP Glossy is allowed in the driver.
Types	Paper (laser, plain, photo, rough, vellum), envelopes, labels, cardstock, transparencies, postcards	Paper (laser, plain, photo, rough, vellum), envelopes, labels, cardstock, postcards	Paper (laser, plain, photo, rough, vellum), envelopes, labels, cardstock, postcards	Paper (bond, brochure, coloured, glossy, heavy, letterhead, light, photo, plain, preprinted, prepunched, recycled, rough), transparencies, labels, envelopes, cardstock	Paper (bond, brochure, coloured, glossy, heavy, letterhead, light, photo, plain, preprinted, prepunched, recycled, rough), transparencies, labels, envelopes, cardstock
Processor	266 MHz	600 MHz	800 MHz	800 MHz	800 MHz
Memory (Std)	M12a: 2 MB; M12w: 8 MB	128 MB	256 MB	128 MB DDR, 128 MB NAND Flash	M254dw: 256 MB DDR, 256 MB NAND Flash; M254nw: 128 MB DDR, 128 MB NAND Flash
Operating system compatibility	Windows® 7, 8, 8.1, 10 (32-bit/64-bit), Windows Vista® (32-bit/64-bit), Windows® XP (32-bit/64-bit), Windows® Server 2008 (32-bit/64-bit), Windows® Server 2003 (32-bit/64-bit), Mac OS X v. 10.9, v. 10.10, v. 10.11	Windows 10, 8.1, 8, 7; 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer, Windows Vista® (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer, 8 Windows XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8; Apple® OS X El Capitan (v10.11) OS X Yosemite (v10.10) OS X Mavericks (v10.9); 1 GB HD; Internet required; USB; Linux (For more information, see hplipopenuse.com/hplip-web/index.html)	Windows® 10, 8.1, 8, 7; 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer, Windows Vista® (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8; Windows® XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8; Apple® OS X Sierra(v10.12), OS X El Capitan (v10.11), OS X Yosemite (v10.10); 1 GB HD; Internet required; USB; Linux (For more information, see hplipopenuse.com/hplip-web/index.html). Unix (For more information, see hplipopenuse.com/hplip-web/index.html)	Windows® 10, 8.1, 8, 7; 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer, Windows Vista® (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8; Windows® XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8; Windows Server support is provided via the command line installer and supports Win Server 2008 R2 and higher; Apple® OS X Sierra(v10.12), El Capitan (v10.11), Yosemite (v10.10); 1.5 GB HD; Internet required; USB; Linux (For more information, see hplipopenuse.com/hplip-web/index.html). Unix (For more information, see hplipopenuse.com/hplip-web/index.html)	Windows® 10, 8.1, 8, 7; 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer, Windows Vista® (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8; Windows® XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8; Windows Server support is provided via the command line installer and supports Win Server 2008 R2 and higher; Apple® OS X Sierra(v10.12), El Capitan (v10.11), Yosemite (v10.10); 1.5 GB HD; Internet required; USB; Linux (For more information, see hplipopenuse.com/hplip-web/index.html). Unix (For more information, see hplipopenuse.com/hplip-web/index.html)
Environmental					
Operating environment	Operating temperature range: 15 to 32.5° C; Recommended operating temperature: 17.5 to 25° C; Non-operating humidity range: 10 to 90% RH; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to 70% RH	Operating temperature range: 15 to 32.5° C; Recommended operating temperature: 17.5 to 25° C; Non-operating humidity range: 10 to 90% RH; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to 70% RH	Operating temperature range: 15 to 32.5° C; Recommended operating temperature: 17.5 to 25° C; Non-operating humidity range: 10 to 90% RH; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to 70% RH	Operating temperature range: 15 to 30° C; Recommended operating temperature: 17 to 25° C; Non-operating humidity range: 0 to 95% RH; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to 70% RH; Storage temperature: -20 to 40° C	Operating temperature range: 15 to 30° C; Recommended operating temperature: 17 to 25° C; Non-operating humidity range: 0 to 95% RH; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to 70% RH; Storage temperature: -20 to 40° C
Acoustics	Acoustic power emissions: 6.4 B(A); Acoustic pressure emissions bystander (active, printing): 50 dB(A)	Acoustic power emissions: 6.5 dB; Acoustic power emissions (ready): 2.7 B(A); Acoustic pressure emissions bystander (active, printing): 51 dB(A); Acoustic pressure emissions bystander (ready): 1.7 dB(A)	Acoustic power emissions: 6.6 B(A); Acoustic power emissions (ready): 2.6 B(A); Acoustic pressure emissions bystander (active, printing): 53 dB(A); Acoustic pressure emissions bystander (ready): 1.6 dB(A)	Acoustic power emissions: 6.2 B(A)(Colour); 6.2 B(A)(mono); Acoustic power emissions (ready): 2.6 B(A); Acoustic pressure emissions bystander (active, printing): 48 dB(A)(Colour); 48 dB(A)(mono); Acoustic pressure emissions bystander (ready): 1.4 dB(A)	Acoustic power emissions: 6.4 B(A)(colour/simplex); 6.3 B(A)(mono/simplex); 6.3 B(A)(mono/duplex); 6.3 B(A)(colour/duplex); Acoustic power emissions (ready): 2.6 B(A); Acoustic pressure emissions bystander (active, printing): 50 dB(A)(colour/simplex); 50 dB(A)(mono/simplex); 50 dB(A)(mono/duplex); 50 dB(A)(colour/duplex); Acoustic pressure emissions bystander (ready): 1.4 dB(A)
Power specifications	Power supply type: Built-in power supply; Power supply required: Input voltage 115 to 127 VAC (+/- 10%), 60 Hz (+/- 2 Hz), 1.2 amp; 220 to 240 VAC (+/- 10%), 50 Hz (+/- 2 Hz), 6.0 amp; Power consumption¹³: 375 watts (active printing), 1.2 watts (ready), 0.8 watts (sleep), 0.8 watts (Auto Off/Wake on USB, enabled at shipment), 0.45 watts (Auto-off/Manual-on), 0.45 (Manual Off); Typical Electricity Consumption number: BA: 0.509 kWh/Week; ES: 0.494 kWh/Week	Power supply type: Internal; Power supply required: 110-volt input voltage: 110 to 127 VAC (+/- 10%), 60 Hz/50 Hz, 4.6 A; 220-volt input voltage: 220 to 240 VAC (+/- 10%), 60 Hz/50 Hz, 2.7 A; Power consumption¹³: 380 watts (active printing), 1.7 watts (ready), 0.5 watts (sleep), 0.06 watts (Auto Off/Wake on USB, enabled at shipment), 0.06 watts (Auto-off/Manual-on), 0.06 (Manual Off); Typical Electricity Consumption number: BA: 0.566 kWh/Week; ES: 0.558 kWh/Week	Power supply type: Internal; Power supply required: 110-volt input voltage: 110 to 127 VAC (+/- 10%), 60 Hz/50 Hz, 5.4 A; 220-volt input voltage: 220 to 240 VAC (+/- 10%), 60 Hz/50 Hz, 3.1 A; Power consumption¹³: 480 watts (active printing), 1.9 watts (ready), 0.5 watts (sleep), 0.8 watts (Auto Off/Wake on USB, enabled at shipment), 0.05 watts (Auto-off/Manual-on), 0.05 watts (Manual Off); Typical Electricity Consumption number: BA: 0.826 kWh/Week; ES: 0.810 kWh/Week	Power supply type: Internal (Built-in) power supply; Power supply required: 110-volt input voltage: 110 to 127 VAC (+/- 10%), 50 Hz (+/- 3 Hz), 60 Hz (+/- 3 Hz); 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50 Hz (+/- 3 Hz), 60 Hz (+/- 3 Hz); Not dual voltage, product varies by part number with # Option code identifier); Power consumption¹³: 343 watts (active printing), 6.0 (ready), 0.7 watt (sleep), 0.1 (Auto-off/Manual-on), 0.6 (Auto-off/Wake on USB); Typical electricity consumption (TEC) number: ES: 0.453 kWh/Week; BA: 0.420 kWh/Week	Power supply type: Internal (Built-in) power supply; Power supply required: 110-volt input voltage: 110 to 127 VAC (+/- 10%), 50 Hz (+/- 3 Hz), 60 Hz (+/- 3 Hz); 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50 Hz (+/- 3 Hz), 60 Hz (+/- 3 Hz); Not dual voltage, product varies by part number with # Option code identifier); Power consumption¹³: 381 watts (active printing), 7.5 watts (ready), 0.8 watt (sleep), 0.1 watt (Manual-Off), 0.1 watt (Auto-Off/Manual-On), 0.8 watt (Auto Off/Wake on LAN); Typical electricity consumption (TEC) number: ES: 0.664 kWh/Week; BA: 0.606 kWh/Week (M254dw); BA: 0.583 kWh/Week (M254nw)
Connectivity	M12a: 1 Hi-Speed USB 2.0; M12w: 1 Hi-Speed USB 2.0; 1 Wi-Fi 802.11b/g/n	M102a: 1 Hi-Speed USB 2.0; M102w: 1 Hi-Speed USB 2.0; Wireless	M203d: 1 Hi-Speed USB 2.0; M203dn: 1 Hi-Speed USB 2.0; 1 Ethernet 10/100 network; M203dw: 1 Hi-Speed USB 2.0; 1 Ethernet 10/100 network; Wireless	M154a: Hi-Speed USB 2.0 port; M154nw: Hi-Speed USB 2.0 port; built-in Fast Ethernet 10/100Base-TX network port; 802.11n 2.4/5GHz wireless	M254dw: Hi-Speed USB 2.0 port; built-in Fast Ethernet 10/100Base-TX network port; 802.11n 2.4/5GHz wireless; Walkup host USB port; M254nw: Hi-Speed USB 2.0 port; built-in Fast Ethernet 10/100Base-TX network port; 802.11n 2.4/5GHz wireless
Dimension (W x D x H)¹⁶	349 x 238 x 196 mm	364.7 x 247.3 x 190.6 mm	370.5 x 407.4 x 223.9 mm	392 x 379.6 x 244.2 mm	M254dw: 392 x 419 x 247.5 mm; M254nw: 392 x 385.8 x 247.5 mm
Weight¹¹	5.2 kg	4.7 kg	6.9 kg	13.3 kg	M254dw: 14.8 kg; M254nw: 13.8 kg
Warranty	1 Year Limited Warranty (Return to HP/Dealer - Standard Bench Repair)	1 Year Limited Warranty (Return to HP/Dealer - Standard Bench Repair)	1 Year Limited Warranty (Return to HP/Dealer - Standard Bench Repair)	1 Year Limited Warranty (Return to HP/Dealer - Standard Bench Repair)	1 Year Limited Warranty (Return to HP/Dealer - Standard Bench Repair)
What's in the box	Printer; Preinstalled HP Original Introductory Black LaserJet Toner Cartridge (~500 pages); Installation guide, Setup Poster, Support Flyer; Warranty Guide, Flyer; errata in some countries; Printer documentation and software on CD-ROM; Software drivers and documentation on CD-ROMs; CDs containing software and electronic documentation; Power cord; USB cable	Printer; HP Black LaserJet Toner Cartridge ~700 pages; HP LaserJet Imaging Drum ~12,000 pages; G5C; Setup Poster; Support Flyer; Warranty Guide, Flyer; errata in some countries; Printer documentation and software on CD-ROM; Software drivers and documentation on CD-ROMs; CDs containing software and electronic documentation; Power cord; USB cable	Printer; HP Black LaserJet Toner Cartridge ~1000 pages; HP LaserJet Imaging Drum ~23,000 pages; HIG; Setup Poster; Support Flyer; Warranty Guide, Flyer; errata in some countries; Printer documentation and software on CD-ROM; Software drivers and documentation on CD-ROMs; CDs containing software and electronic documentation; Power cord; USB cable	Printer; Introductory HP LaserJet Colour cartridges (~700 colour composite (C/Y/M) yield and ~800 page yield black); Installation guide; Printer documentation and software on CDROM; Power cord; USB cable	Printer; Introductory HP LaserJet Colour and cartridges (~700 colour composite (C/Y/M); page yield and ~800 page yield black); Installation guide; Printer documentation and software on CD-ROM; Power cord; USB cable
Printer series	HP LaserJet Pro M12a (T0L45A) HP LaserJet Pro M12w (T0L46A)	HP LaserJet Pro M102a (G3Q34A) HP LaserJet Pro M102w (G3Q35A)	HP LaserJet Pro M203d (G3Q50A) HP LaserJet Pro M203dn (G3Q46A) HP LaserJet Pro M203dw (G3Q47A)	HP Color LaserJet Pro M154a (T6B51A) HP Color LaserJet Pro M154nw (T6B52A)	HP Color LaserJet Pro M254nw (T6B59A) HP Color LaserJet Pro M254dw (T6B60A)
HP Care Packs	HP 3 yr Care Pack w/Next Day Exchange for LaserJet Printers (UG086E) HP 3 yr Care Pack w/Onsite Exchange for LaserJet Printers (UG481E) HP 3 yr Care Pack w/Pickup and Return Support for LaserJet Printers (UG361E)	HP 3 yr Care Pack w/Next Day Exchange for LaserJet Printers (UG086E) HP 3 yr Care Pack w/Onsite Exchange for LaserJet Printers (UG481E) HP 3 yr Care Pack w/Pickup and Return Support for LaserJet Printers (UG361E)	HP 3 yr Care Pack w/Next Day Exchange for LaserJet Printers (UG086E) HP 3 yr Care Pack w/Onsite Exchange for LaserJet Printers (UG481E) HP 3 yr Care Pack w/Pickup and Return Support for LaserJet Printers (UG361E)	HP 3 yr Care Pack w/Next Day Exchange for LaserJet Printers (UG086E) HP 3 yr Care Pack w/Onsite Exchange for LaserJet Printers (UG481E) HP 3 yr Care Pack w/Return to Depot Support for LaserJet Printers (UG289E)	HP 3 yr Care Pack w/Next Day Exchange for LaserJet Printers (UG086E) HP 3 yr Care Pack w/Onsite Exchange for LaserJet Printers (UG481E) HP 3 yr Care Pack w/Return to Depot Support for LaserJet Printers (UG289E)
Supplies compatibility	HP 79A Black Original LaserJet Toner Cartridge (CF279A)	HP 17A Black Original LaserJet Toner Cartridge (CF217A) HP 19A Original LaserJet Imaging Drum (CF219A)	HP 30A Black Original LaserJet Toner Cartridge (CF230A) HP 30X High Yield Black Original LaserJet Toner Cartridge (CF230X) HP 32A Original LaserJet Imaging Drum (CF232A)	HP 204A Black Original LaserJet Toner Cartridge (CF510A) HP 204A Cyan Original LaserJet Toner Cartridge (CF511A) HP 204A Yellow Original LaserJet Toner Cartridge (CF512A) HP 204A Magenta Original LaserJet Toner Cartridge (CF513A)	HP 202A Black Original LaserJet Toner Cartridge (CF500A) HP 202X High Yield Black Original LaserJet Toner Cartridge (CF500X) HP 202A Cyan Original LaserJet Toner Cartridge (CF501A) HP 202X High Yield Cyan Original LaserJet Toner Cartridge (CF501X) HP 202A Yellow Original LaserJet Toner Cartridge (CF502A) HP 202X High Yield Yellow Original LaserJet Toner Cartridge (CF502X) HP 202A Magenta Original LaserJet Toner Cartridge (CF503A) HP 202X High Yield Magenta Original LaserJet Toner Cartridge (CF503X)

HP LaserJet (Mono and Colour)



March 2018 Edition

Multifunction Mono and Colour Printers



(M26nw shown)



(M130fw shown)



(M227fdw shown)



(M281fdw shown)

Technical Specifications

	HP LaserJet Pro MFP M26 Series	HP LaserJet Pro MFP M130 Series	HP LaserJet Pro MFP M227 Series	HP Color LaserJet Pro MFP M180n	HP Color LaserJet Pro MFP M181fw	HP Color LaserJet Pro MFP M280nw	HP Color LaserJet Pro MFP M281 Series	
Product Description	Print, scan, and copy with trusted reliability, using the lowest-priced compact laser MFP from HP. ¹ Get professional-quality results and the performance you expect.	Keep things simple with HP's smallest LaserJet MFP—powered by JetIntelligence. Toner cartridges, Print Professionals documents, plus scan, copy, and help save energy with a compact MFP designed for efficiency.	Get more pages, performance, and protection from an HP LaserJet Pro MFP powered by JetIntelligence. Toner cartridges set a faster pace for your business. Print two-sided documents, plus scan, copy, and manage to help maximize efficiency.	Get vibrant color, streamlined versatility, easy mobile printing, and fast print speeds to drive efficiency—for a great value. ¹	Get vibrant color, streamlined versatility, easy mobile printing, and fast print speeds to drive efficiency—for a great value. ¹	Make an impact with high-quality color and increased productivity. Get the fastest in-class two-sided printing speed and First Page Out Time (FPOT). ^{1,11} Scan and copy. Count on simple security solutions, and get easy mobile printing. ¹	Make an impact with high-quality color and increased productivity. Get the fastest in-class two-sided printing speed and First Page Out Time (FPOT). ^{1,11} Scan and copy. Count on simple security solutions, and get easy mobile printing. ¹	Make an impact with high-quality color and increased productivity. Get the fastest in-class two-sided printing speed and First Page Out Time (FPOT). ^{1,11} Scan, copy, and fax. Count on simple security solutions, and get easy mobile printing. ¹
Number of users	1-5 users	1-5 users	1-5 users	10-30 Users	10-30 Users	3-10 Users	3-10 Users	
Function	Print, Scan, Copy	Print, Copy, Scan, Fax (M130fn/fw)	Print, Copy, Scan, Fax (M227fdn/fdw)	Print, Copy, Scan	Wireless, Print, Copy, Scan, Fax	Wireless, Print, Copy, Scan	Wireless, Print, Copy, Scan, Fax	
Technology	Laser	Laser	Laser	Laser	Laser	Laser	Laser	
Duplex print options	No, manual	No, manual	Yes, automatic	No, manual	No, manual	Not applicable	Yes, automatic	
Speed¹	Black (normal, A4): Up to 18 ppm Black (A4, ready): As fast as 9.0 seconds; Black (A4, sleep): As fast as 9.7 sec. (@220V); As fast as 9.8 sec. (@110V); M26nw: Black (A4, ready): As fast as 9.2 seconds; Black (A4, sleep): As fast as 9.6 sec. (@220V); As fast as 9.8 sec. (@110V)	Black (normal, A4): Up to 22 ppm M130a: Black (A4, ready): As fast as 7.4 sec; Black (A4, sleep): As fast as 8.3 sec; M130nw: Black (A4, ready): As fast as 7.0 sec; Black (A4, sleep): As fast as 7.5 sec; M130fn: Black (A4, ready): As fast as 7.5 sec; Black (A4, sleep): As fast as 8.6 sec; M130fw: Black (A4, ready): As fast as 7.6 sec; Black (A4, sleep): As fast as 8.8 sec	Black (normal, A4): Up to 28 ppm; Black (A4, duplex): Up to 18 ppm M227sdn: Black (A4, ready): As fast as 6.4 sec; Black (A4, sleep): As fast as 7.7 sec; M227fdw: Black (A4, ready): As fast as 6.8 sec; Black (A4, sleep): As fast as 8.1 sec; M227fdn: Black (A4, ready): As fast as 6.6 sec; Black (A4, sleep): As fast as 6.8 sec	Black (A4, normal): Up to 16 ppm Black (A4, ready): As fast as 11.8 sec; Black (A4, sleep): As fast as 12.9 sec; Colour (A4, ready): As fast as 13.7 sec; Colour (A4, sleep): As fast as 14.2 sec	Black (A4, normal): Up to 16 ppm Black (A4, ready): As fast as 11.8 sec; Black (A4, sleep): As fast as 12.9 sec; Colour (A4, ready): As fast as 13.5 sec; Colour (A4, sleep): As fast as 14.1 sec	Black (best): Up to 21 ppm Black/Colour (A4, normal): Up to 21 ppm; Black/Colour, Duplex (A4, normal): Up to 12 ppm M281fdn: Black (A4, ready): As fast as 12.5 sec; Black (A4, sleep): As fast as 12.4 sec; Colour (A4, ready): As fast as 12.5 sec; Black (A4, sleep): As fast as 12.6 sec; Colour (A4, ready): As fast as 12.6 sec; Black (A4, sleep): As fast as 12.6 sec	Black (best): Up to 21 ppm Black/Colour (A4, normal): Up to 21 ppm; Black/Colour, Duplex (A4, normal): Up to 12 ppm M281fdn: Black (A4, ready): As fast as 12.5 sec; Black (A4, sleep): As fast as 12.4 sec; Colour (A4, ready): As fast as 12.5 sec; Black (A4, sleep): As fast as 12.6 sec; Colour (A4, ready): As fast as 12.6 sec; Black (A4, sleep): As fast as 12.6 sec	Black (best): Up to 21 ppm Black/Colour (A4, normal): Up to 21 ppm; Black/Colour, Duplex (A4, normal): Up to 12 ppm M281fdn: Black (A4, ready): As fast as 12.5 sec; Black (A4, sleep): As fast as 12.4 sec; Colour (A4, ready): As fast as 12.5 sec; Black (A4, sleep): As fast as 12.6 sec; Colour (A4, ready): As fast as 12.6 sec; Black (A4, sleep): As fast as 12.6 sec
Resolution	Black (normal): Up to 600 x 600 dpi; Black (best): Up to 600 x 400 dpi	Black (best): Up to 1200 x 1200 dpi; HP FastRes 1200 (1200 dpi quality): Black (normal): Up to 600 x 400 dpi; HP FastRes 600 (600 dpi quality)	Black (best): Up to 1200 x 1200 dpi; Black (normal): Up to 600 x 600 dpi; HP FastRes 1200 (1200 dpi quality)	Black (best): Up to 600 x 600 dpi; Colour (best): Up to 600 x 600 dpi	Black (best): Up to 600 x 600 dpi; Colour (best): Up to 600 x 600 dpi	Black (best): Up to 600 x 600 dpi; Colour (best): Up to 600 x 600 dpi	Black (best): Up to 600 x 600 dpi; Colour (best): Up to 600 x 600 dpi	
Languages	PCLm/PCLm5	PCLm5, URF, PWTG	PCL5c, PCL6, PS, PCLm5, PDF, URF, PWTG	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PCLm, PDF, URF	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PCLm, PDF, URF	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PCLm, PDF, URF	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PCLm, PDF, URF	
Wireless capability	M26a: No; M26nw: Yes, built-in Wi-Fi 802.11b/g/n	M130a: No; M130nw/fw: Standard (Wi-Fi 802.11b/g/n)	M227sdn/fdw: No; M227fdw: built-in Wi-Fi 802.11b/g/n	Not applicable	Built-in 802.11 b/g/n; authentication via WEP, WPA/WPA2, or 802.11x; encryption via AES or TKIP; WPS; Wi-Fi Direct	Built-in 802.11 b/g/n; authentication via WEP, WPA/WPA2, or 802.11x; encryption via AES or TKIP; WPS; Wi-Fi Direct	Built-in 802.11 b/g/n; authentication via WEP, WPA/WPA2, or 802.11x; encryption via AES or TKIP; WPS; Wi-Fi Direct	
Mobile printing capability	M26a: No; M26nw: HP ePrint; Mopria™-certified	M130a: No; M130nw/fw: Apple AirPrint™; HP ePrint; Google Cloud Print 2.0; Mopria-certified; Wi-Fi Direct; HP Smart App; M130fn: Apple AirPrint™; HP ePrint; Google Cloud Print 2.0; Mopria-certified	M227sdn/fdw: HP ePrint; AirPrint™; HP iPrint™; Google Cloud Print™ 2.0; Mopria-certified; Wi-Fi Direct; HP Smart App; M227fdw: HP ePrint; AirPrint™; HP iPrint™; Google Cloud Print™ 2.0; NFC touch-to-print enabled; HP Smart App	HP ePrint; Apple AirPrint™; Mopria™-certified; Mobile Apps	HP ePrint; Apple AirPrint™; Mopria™-certified; Wireless Direct Printing; Mobile Apps	HP ePrint; Apple AirPrint™; Mopria™-certified; Wireless Direct Printing; Mobile Apps	HP ePrint; Apple AirPrint™; Mopria™-certified; Mobile Apps; M281fdw: HP ePrint; Apple AirPrint™; Mopria™-certified; Wireless Direct Printing; Mobile Apps	
Print cartridges number	1 Black	1 Black	1 Black	4 (1 each black, cyan, magenta, yellow)	4 (1 each black, cyan, magenta, yellow)	4 (1 each black, cyan, magenta, yellow)	4 (1 each black, cyan, magenta, yellow)	
Printer management	Windows: HP Device Toolbox; Status Alerts (default install)	HP Printer Assistant (UDC); HP Device Toolbox; HP Utility (Mac)	HP Printer Assistant (UDC); HP Utility (Mac); HP Device Toolbox; HP JetAdvantage Security Manager	HP Printer Assistant (UDC); HP Utility (Mac); HP Device Toolbox; HP JetAdvantage Security Manager	HP Printer Assistant (UDC); HP Utility (Mac); HP Device Toolbox; HP JetAdvantage Security Manager	HP Printer Assistant (UDC); HP Utility (Mac); HP Device Toolbox; HP JetAdvantage Security Manager	HP Printer Assistant (UDC); HP Utility (Mac); HP Device Toolbox; HP JetAdvantage Security Manager	
Scan								
Type	Flatbed	Flatbed, ADF	Flatbed, ADF	Flatbed, ADF	Flatbed, ADF	Flatbed, ADF	Flatbed, ADF	
Technology	Contact Image Sensor (CIS)	Contact Image Sensor (CIS)	Contact Image Sensor (CIS)	Contact Image Sensor (CIS)	Contact Image Sensor (CIS)	Contact Image Sensor (CIS)	Contact Image Sensor (CIS)	
Resolution	Enhanced: Up to 1200 dpi; Hardware: Up to 1200 x 1200 dpi; Optical: Up to 1200 dpi	M130a/nw: Flatbed; M130fn/fw: Flatbed, ADF M130a/nw: Hardware: Up to 600 x 600 dpi (colour, flatbed); Up to 1200 x 1200 dpi (mono, flatbed); Optical: Up to 600 dpi (colour, flatbed); Up to 1200 dpi (mono, flatbed); M130fn/fw: Hardware: Up to 300 x 300 dpi (colour and mono, ADF); Up to 600 x 600 dpi (colour and mono, ADF); Up to 1200 x 1200 dpi (mono, flatbed); Optical: Up to 300 dpi (colour and mono, ADF); Up to 600 dpi (colour, flatbed); Up to 1200 dpi (mono, flatbed)	Flatbed; ADF Hardware: Up to 300 x 300 dpi (colour and mono, ADF); Up to 600 x 600 dpi (colour, flatbed); Up to 1200 x 1200 dpi (mono, flatbed); Optical: Up to 300 dpi (colour and mono, ADF); Up to 600 dpi (colour, flatbed); Up to 1200 dpi (mono, flatbed)	Enhanced: Up to 1200 x 1200 dpi; Hardware: Up to 1200 x 1200 dpi; Optical: Up to 1200 dpi	Enhanced: Up to 300 x 300 dpi (ADF); Up to 1200 x 1200 dpi (Flatbed); Hardware: Up to 300 x 300 dpi (Colour/mono, ADF); Up to 1200 x 1200 dpi (Colour/mono, Flatbed); Optical: Up to 300 dpi (colour and mono, ADF); Up to 1200 dpi (colour and mono, flatbed)	Enhanced: Up to 300 x 300 dpi (ADF); Up to 1200 x 1200 dpi (Flatbed); Hardware: Up to 300 x 300 dpi (Colour/mono, ADF); Up to 1200 x 1200 dpi (Colour/mono, Flatbed); Optical: Up to 300 dpi (colour and mono, ADF); Up to 1200 dpi (colour and mono, flatbed)	Enhanced: Up to 300 x 300 dpi (ADF); Up to 1200 x 1200 dpi (Flatbed); Hardware: Up to 300 x 300 dpi (Colour/mono, ADF); Up to 1200 x 1200 dpi (Colour/mono, Flatbed); Optical: Up to 300 dpi (colour and mono, ADF); Up to 1200 dpi (colour and mono, flatbed)	Enhanced: Up to 300 x 300 dpi (ADF); Up to 1200 x 1200 dpi (Flatbed); Hardware: Up to 300 x 300 dpi (Colour/mono, ADF); Up to 1200 x 1200 dpi (Colour/mono, Flatbed); Optical: Up to 300 dpi (colour and mono, ADF); Up to 1200 dpi (colour and mono, flatbed)
Max scanning size	Flatbed: 216 x 297 mm	Flatbed: 215 x 297 mm; ADF: 215.9 x 297 mm (M130fn/fw)	Flatbed: 215.9 x 297 mm; ADF: 215.9 x 355.6 mm (M227sdn/fdw)	Flatbed: Up to 216 x 297 mm; ADF: Not applicable	Flatbed: Up to 216 x 356 mm; ADF: Up to 216 x 297 mm	Flatbed: Up to 215.9 x 297 mm; ADF: Up to 215.9 x 355.6 mm	Flatbed: Up to 215.9 x 297 mm; ADF: Up to 215.9 x 355.6 mm	
Input modes	Solution Center Lite (Windows Vista®; Windows® XP) or Device Stage (Windows® 7, 8); TWAIN-compliant or WIA-compliant software	Scanning via HP LaserJet Scan (Windows®); HP Director (Macintosh®) or TWAIN-compliant or WIA-compliant software	Scanning via HP LaserJet Software Scan or TWAIN-compliant or WIA-compliant software	Copy, HP Scan software, and user application via TWAIN or WIA	Copy, HP Scan software, and user application via TWAIN or WIA	Front-panel scan, copy, e-mail, fax, or file buttons; HP Scan software; and user application via TWAIN or WIA	Front-panel scan, copy, e-mail, fax, or file buttons; HP Scan software; and user application via TWAIN or WIA	
Grayscale levels	256	256	256	256	256	256	256	
Bit depth	24-bit	24-bit	24-bit	24-bits (colour); 8-bits (mono)	24-bits (colour); 8-bits (mono)	24-bits (colour); 8-bits (mono)	24-bits (colour); 8-bits (mono)	
File format	Windows Scan SW supports file format: JPG, RAW(BMP), PDF, TIFF, PNG; Mac Scan SW supports file format: TIFF, PNG, JPEG, JPEG-2000, PDF, PDF-Searchable, RTF, TXT	JPEG, PDF, PNG	JPG, RAW (BMP), PNG, TIFF, PDF	JPEG, RAW (BMP), PNG, TIFF, PDF	JPEG, RAW (BMP), PNG, TIFF, PDF	JPEG, RAW (BMP), PNG, TIFF, PDF	JPEG, RAW (BMP), PNG, TIFF, PDF	
Copy								
Speed	Black (normal, A4): Up to 18 cpm Black (graphics): 600 x 600 dpi; Black (text): 600 x 600 dpi	Black (normal, A4): Up to 22 cpm Black (text and graphics): 600 x 400 dpi	Black (normal, A4): Up to 28 cpm Black (text and graphics): 600 x 600 dpi	Black/Colour (A4, normal): Up to 16 cpm Black (text and graphics): Up to 600 x 600 dpi; Colour (text and graphics): 600 x 600 dpi	Black/Colour (A4, normal): Up to 16 cpm Black (text and graphics): Up to 600 x 600 dpi; Colour (text and graphics): 600 x 600 dpi	Black/Colour (A4, normal): Up to 21 cpm Black (text and graphics): Up to 600 x 600 dpi; Colour (text and graphics): 600 x 600 dpi	Black/Colour (A4, normal): Up to 21 cpm Black (text and graphics): Up to 600 x 600 dpi; Colour (text and graphics): 600 x 600 dpi	Black/Colour (A4, normal): Up to 21 cpm Black (text and graphics): Up to 600 x 600 dpi; Colour (text and graphics): 600 x 600 dpi
Max copies	Up to 99 copies	Up to 99 copies	Up to 99 copies	Up to 99 copies	Up to 99 copies	Up to 99 copies	Up to 99 copies	
Copier settings	Number of copies; Lighter/Darker; Reduce/Enlarge; Optimize (draft, text, mixed, picture); Paper Size	Number of Copies; Lighter/Darker; Optimize; Paper; Multi-Page Copy; Draft Mode	Number of Copies; Lighter/Darker; Optimize; Paper; Multi-Page Copy; Collator; Draft Mode	Number of copies; Reduce/Enlarge; Lighter/Darker; Optimize; Paper Size; Paper Type; Draft Mode; Image Adjustment; Set as New Defaults; Restore Defaults	Number of copies; Reduce/Enlarge; Lighter/Darker; Optimize; Paper Size; Paper Type; Draft Mode; Image Adjustment; Set as New Defaults; Restore Defaults	Number of copies; Reduce/Enlarge; Lighter/Darker; Optimize; Paper; Multi-page Copy; Collation; Draft Mode; Image Adjustment; Set as New Defaults; Restore Defaults	Number of copies; Reduce/Enlarge; Lighter/Darker; Optimize; Paper; Multi-page Copy; Collation; Draft Mode; Image Adjustment; Set as New Defaults; Restore Defaults	
Fax								
Resolution	Not applicable	M130fn/fw: Black (best): Up to 300 x 300 dpi (half-tone enabled) M130fn/fw: 33.6 kbps M130fn/fw: Black (best): Up to 1,000 pages M130a: ICON LCD; M130nw/nw: 2-line LCD	M227fdn/fdw: Up to 300 x 300 dpi (half-tone enabled) M227fdw: 4.2 kbps M227fdn/fdw: Up to 1,000 pages M227sdn/fdw: 2-line LCD; M227fdw: 2.7-in touch screen, LCD (colour graphics)	Not applicable Not applicable Not applicable 7 segment ICON LCD	Black (best): Up to 300 x 300 dpi Not applicable Not applicable Up to 1,300 pages 2-Line LCD	Not applicable Not applicable Not applicable Up to 1,300 pages 6.8 cm (2.7") colour graphic screen	Black (best): Up to 300 x 300 dpi 33.6 kbps (maximum), 14.4 kbps (default) Up to 1,300 pages 6.8 cm (2.7") colour graphic screen	
Transmission speed	Not applicable	Up to 10,000 pages 150 to 1,500 pages	Up to 35 pages Up to 30,000 pages 250 to 2,500 pages	Not applicable Up to 30,000 pages 150 to 1,500 pages	Up to 35 pages Up to 40,000 pages 150 to 1,500 pages	Up to 50 pages Up to 40,000 pages 150 to 2,500 pages	Up to 50 pages Up to 40,000 pages 150 to 2,500 pages	
Memory	Not applicable	M130a/nw: No; M130fn/fw: 35 sheets Up to 10,000 pages	Up to 35 pages Up to 30,000 pages 250 to 2,500 pages	Not applicable Up to 30,000 pages 150 to 1,500 pages	Up to 35 pages Up to 40,000 pages 150 to 1,500 pages	Up to 50 pages Up to 40,000 pages 150 to 2,500 pages	Up to 50 pages Up to 40,000 pages 150 to 2,500 pages	
Display	2-lines LCD							
Media								
Automatic document feeder	Not applicable	M130a/nw: No; M130fn/fw: 35 sheets Up to 10,000 pages	Up to 35 pages Up to 30,000 pages 250 to 2,500 pages	Not applicable Up to 30,000 pages 150 to 1,500 pages	Up to 35 pages Up to 40,000 pages 150 to 1,500 pages	Up to 50 pages Up to 40,000 pages 150 to 2,500 pages	Up to 50 pages Up to 40,000 pages 150 to 2,500 pages	
Duty cycle (monthly, A1)²	Up to 5,000 pages	Up to 10,000 pages	Up to 35 pages Up to 30,000 pages 250 to 2,500 pages	Up to 30,000 pages 150 to 1,500 pages	Up to 40,000 pages 150 to 1,500 pages	Up to 40,000 pages 150 to 2,500 pages	Up to 40,000 pages 150 to 2,500 pages	
Recommended monthly volume	100 to 1,000 pages	150 to 1,500 pages	150 to 1,500 pages	150 to 1,500 pages	150 to 1,500 pages	150 to 2,500 pages	150 to 2,500 pages	
Paper handling	150-sheet input tray; 100-sheet output tray	150-sheet input tray; 100-sheet output tray	150-sheet input tray; 100-sheet priority tray; 150-sheet output tray	150-sheet input tray; 100-sheet output bin	150-sheet input tray; 100-sheet output bin	150-sheet input tray; 100-sheet output bin	150-sheet input tray; 100-sheet output bin	
Supported sizes	A4, A5, B5-Janis; envelopes (ISO DL, C5, B5, Com #10, Monarch #7 3/4); 16k; post cards (Standard #10, JS single and double)	A4, A5, B5; USJI; A6	A4, A5, B5; USJI; A6	A4, A5, B5; USJI; A6	A4, A5, B5; USJI; A6	A4, A5, B5; USJI; A6	A4, A5, B5; USJI; A6	
Supported weights	60 to 163 g/m ²	60 to 163 g/m ²	60 to 163 g/m ²	60 to 163 g/m ²	60 to 163 g/m ²	60 to 163 g/m ²	60 to 163 g/m ²	
Types	Paper (plain, laserjet), envelopes, transparencies, labels, postcards	Paper (laser, plain, photo, rough, vellum), envelopes, labels, cardstock, postcards	Paper (laser, plain, photo, rough, vellum), envelopes, labels, cardstock, postcards	Paper (bond, brochure, coloured, glossy, heavy, letterhead, light, photo, plain, preprinted, prepunched, recycled, rough), transparencies, labels, envelopes, cardstock	Paper (bond, brochure, coloured, glossy, heavy, letterhead, light, photo, plain, preprinted, prepunched, recycled, rough), transparencies, labels, envelopes, cardstock	Paper (bond, brochure, coloured, glossy, heavy, letterhead, light, photo, plain, preprinted, prepunched, recycled, rough), transparencies, labels, envelopes, cardstock	Paper (bond, brochure, coloured, glossy, heavy, letterhead, light, photo, plain, preprinted, prepunched, recycled, rough), transparencies, labels, envelopes, cardstock	
Processor	600 MHz	800 MHz	800 MHz	800 MHz	800 MHz	800 MHz	800 MHz	
Memory (Std)	128 MB	M130a: 128 MB; M130nw/nw: 256 MB	256 MB	256 MB DDR, 128 MB Flash	256 MB DDR, 128 MB Flash	256 MB DDR, 128 MB Flash	256 MB DDR, 128 MB Flash	
Operating system compatibility	Windows: Full software installs supported on: Windows® 10 32-bit and 64-bit, Windows® 8 & 8.1 32-bit and 64-bit, Windows® 7 32-bit and 64-bit, Windows Vista® 32-bit and 64-bit, Windows® XP 32-bit (SP2 or higher). Driver only installs supported on: Windows® 2012, Windows® Server 2008 32-bit and 64-bit, Windows® Server 2008 R2 (64-bit SP1), Windows® Server 2008 (Standard Edition), Windows® Server 2008 (Enterprise Edition), Windows® Server 2003 32-bit and 64-bit (SP1 or higher), Windows® XP 64-bit (SP2 and higher), Apple® OS X El Capitan (v10.11), OS X Yosemite (v10.10), OS X Mavericks (v10.9), 1 GB HD; Internet required.	Windows® 10, 8.1, 8, 7, 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer, Windows Vista® (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer & Windows® XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer & Apple® OS X Sierra®(v10.12), OS X El Capitan (v10.11), OS X Yosemite (v10.10), 1 GB HD; Internet required; USB Linux (For more information, see http://go.hp.com/go/linuxmodelscripts)	Windows® 10, 8.1, 8, 7, 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer, Windows Vista® (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer & Windows® XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer & Apple® OS X Sierra®(v10.12), OS X El Capitan (v10.11), OS X Yosemite (v10.10), 1 GB HD; Internet required; USB Linux (For more information, see http://go.hp.com/go/linuxmodelscripts)	Windows® 10, 8.1, 8, 7, 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer, Windows Vista® (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer & Windows® XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer & Windows Server support is provided via the command line installer and supports Win Server 2008 R2 and higher. Apple® OS X Sierra®(v10.12), El Capitan (v10.11), Yosemite (v10.10), 1.5 GB HD; Internet required; USB Linux (For more information, see http://go.hp.com/go/linuxmodelscripts)	Windows® 10, 8.1, 8, 7, 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer, Windows Vista® (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer & Windows® XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer & Windows Server support is provided via the command line installer and supports Win Server 2008 R2 and higher. Apple® OS X Sierra®(v10.12), El Capitan (v10.11), Yosemite (v10.10), 1.5 GB HD; Internet required; USB Linux (For more information, see http://go.hp.com/go/linuxmodelscripts)	Windows® 10, 8.1, 8, 7, 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer, Windows Vista® (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer & Windows® XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer & Windows Server support is provided via the command line installer and supports Win Server 2008 R2 and higher. Apple® OS X Sierra®(v10.12), El Capitan (v10.11), Yosemite (v10.10), 1.5 GB HD; Internet required; USB Linux (For more information, see http://go.hp.com/go/linuxmodelscripts)	Windows® 10, 8.1, 8, 7, 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer, Windows Vista® (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer & Windows® XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer & Windows Server support is provided via the command line installer and supports	

HP LaserJet (Mono and Colour)



March 2018 Edition

Single Function & Multifunction Mono and Colour Printers (CH/IN only)

Technical Specifications

	(M12w shown)	(M104w shown)	(M203dw shown)	(M26nw shown)	(M132fw shown)	(M134fn shown)	(M227fdw shown)	(M230dsn shown)	
HP LaserJet Pro M12 Series	HP LaserJet Pro M104 Series	HP LaserJet Ultra M106w	HP LaserJet Pro M203 Series	HP LaserJet Pro M26 Series	HP LaserJet Pro MFP M132 Series	HP LaserJet Ultra MFP M134 Series	HP LaserJet Pro MFP M227 Series	HP LaserJet Ultra MFP M230dsn	
Product Description	Depend on professional quality and trusted HP performance, using the lowest priced and smallest laser printer from HP! Easy save space and budget.	Keep things simple with an affordable HP LaserJet Pro powered by Jetelligence Toner cartridges. Produce consistent, professional documents from a compact laser printer designed for efficiency.	Take advantage of ultra-low printing costs with an efficient HP LaserJet Ultra and 3 Jetelligence Toner cartridges. Set a faster pace for your business. Print two-sided documents right away, and easily manage to help maximize efficiency.	Get more pages, performance, and protection from an HP LaserJet Pro powered by Jetelligence Toner cartridges. Set a faster pace for your business. Print two-sided documents right away, and easily manage to help maximize efficiency.	Print, scan, and copy with trusted reliability, using the lowest-priced compact laser MFP from HP! Get professional-quality results and the performance you expect.	Keep things simple with HP's smallest LaserJet MFP—powered by Jetelligence Toner cartridges. Print professional documents, scan, copy, and help save energy with a compact MFP designed for efficiency.	Take advantage of ultra-low printing costs with an efficient HP LaserJet Ultra MFP powered by Jetelligence Toner cartridges. Set a faster pace for your business. Print two-sided documents, plus scan, copy, and manage to help maximize efficiency.	Get more pages, performance, and protection from an HP LaserJet Pro MFP powered by Jetelligence Toner cartridges. Set a faster pace for your business. Print two-sided documents at print costs attractive for the price-conscious customer.	Take advantage of ultra-low printing costs with an efficient HP LaserJet Ultra MFP powered by Jetelligence Toner cartridges. Set a faster pace for your business. Print two-sided documents at print costs attractive for the price-conscious customer.
Number of users	1-3 users	1-5 users	1-5 users	1-5 users	1-5 users	1-5 users	1-5 users	1-5 users	
Function	Print only	Print only	Print only	Print only	Print, Scan, Copy	Print, Copy, Scan, Fax (M132fn/fw)	Print, Copy, Scan	Print, Copy, Scan	
Print Technology	Laser	Laser	Laser	Laser	Laser	Laser	Laser	Laser	
Duplex print options	No, manual	No, manual	No, manual	Yes, automatic	No, manual	No, manual	Yes, automatic	Yes, automatic	
Speed	Black (normal, A4): Up to 18 ppm	Black (normal, A4): Up to 22 ppm	Black (normal, A4): Up to 22 ppm	Black (A4, normal): Up to 28 ppm; Black (A4, duplex): Up to 18 ppm	Black (normal, A4): Up to 18 ppm	Black (normal, A4): Up to 22 ppm	Black (normal, A4): Up to 28 ppm; Black (A4, duplex): Up to 18 ppm; M227dn: Black (A4, ready): As fast as 6.4 sec; Black (A4, sleep): As fast as 7.7 sec; M227fw: Black (A4, ready): As fast as 6.8 sec; Black (A4, sleep): As fast as 8.1 sec; M227fdn: Black (A4, ready): As fast as 6.6 sec; Black (A4, duplex): As fast as 6.6 sec	Black (A4, normal): Up to 28 ppm; Black (A4, duplex): Up to 18 ppm	Black (A4, ready): As fast as 6.7 sec; Black (A4, sleep): As fast as 8.1 sec
First page out (A4, ready)*	Black (A4, ready): As fast as 9.2 seconds; Black (A4, sleep): As fast as 9.3 seconds	Black (A4, ready): As fast as 7.3 seconds; Black (A4, sleep): As fast as 8.1 seconds	Black (A4, ready): As fast as 7.3 seconds; Black (A4, sleep): As fast as 8.1 seconds	Black (A4, ready): As fast as 6.7 seconds; Black (A4, sleep): As fast as 8.0 seconds	M26a: Black (A4, ready): As fast as 9.7 sec; (R220V); As fast as 9.8 sec; (R110V); Black (A4, sleep): As fast as 9.2 seconds; M26nw: Black (A4, ready): As fast as 9.2 seconds; Black (A4, sleep): As fast as 9.6 sec; (R220V); As fast as 9.8 sec; (R110V)	M132a/mw: Black (A4, ready): As fast as 7.3 sec; Black (A4, sleep): As fast as 8.1 sec; M132fn/fw: Black (A4, ready): As fast as 7.3 sec; Black (A4, sleep): As fast as 8.3 sec; M132fw: Black (A4, ready): As fast as 7.3 sec; Black (A4, sleep): As fast as 8.8 sec; M132m: Black (A4, ready): As fast as 7.2 sec; Black (A4, sleep): As fast as 7.5 sec	Black (A4, ready): As fast as 7.3 sec; Black (A4, sleep): As fast as 8.1 sec	Black (A4, ready): As fast as 6.7 sec; Black (A4, sleep): As fast as 8.3 sec	
Resolution	Black (best): Up to 600 x 600 x 2 dpi; Black (normal): Up to 400 x 600 x 2 dpi (600 dpi effective output); Black (fine lines): Up to 600 x 600 x 2 dpi	Black (best): Up to 600 x 600 dpi; HP FastRes 1200 (1 200 dpi quality); Black (normal): Up to 600 x 400 dpi; HP FastRes 600 (600 dpi quality)	Black (best): Up to 600 x 600 dpi; HP FastRes 1200 (1 200 dpi quality); Black (normal): Up to 600 x 400 dpi; HP FastRes 600 (600 dpi quality)	Black (best): Up to 1200 x 1200 dpi; Black (normal): Up to 600 x 600 dpi; HP FastRes 1200 (1 200 dpi quality)	Black (best): Up to 600 x 600 dpi; Black (normal): Up to 600 x 400 dpi	Black (best): Up to 600 x 600 dpi; HP FastRes 1200 (1 200 dpi quality); Black (normal): Up to 600 x 400 dpi; HP FastRes 600 (600 dpi quality)	Black (best): Up to 600 x 600 dpi; HP FastRes 1200 (1 200 dpi quality); Black (normal): Up to 600 x 400 dpi; HP FastRes 600 (600 dpi quality)	Black (best): Up to 1200 x 1200 dpi; Black (normal): Up to 600 x 600 dpi; HP FastRes 1200 (1 200 dpi quality)	Black (best): Up to 1200 x 1200 dpi; Black (normal): Up to 600 x 600 dpi; HP FastRes 1200 (1 200 dpi quality)
Languages	PostScript® 3, PCL® 6, HP-GL/2, HP-RTMP, HP-PCL, HP-RTMP, HP-PCL 6, HP-RTMP, HP-PCL 6	PCL5e, UFR, PWF	PCL5e, UFR, PWF	PCL5e, PCL6, PS, PCLm, PDF, UFR, PWF	PCLm/PCL5e	PCL5e, UFR, PWF	PCL5e, PCL6, PS, PCLm, PDF, UFR, PWF	PCL5e, PCL6, PS, PCLm, PDF, UFR, PWF	
Wireless capability	M12a: No; M12w: Yes	M104a: No; M104w: Standard Wi-Fi 802.11 b/g/n	M106a: No; M106w: Standard Wi-Fi 802.11 b/g/n	M203dsn: No; M203dw: Yes, built-in Wi-Fi 802.11 b/g/n	M26a: No; M26nw: Yes, built-in Wi-Fi 802.11 b/g/n	M132a/mw/fw: No; M132m: Standard Wi-Fi 802.11 b/g/n	M227a/dn/fw: No; M227fdn: Built-in Wi-Fi 802.11 b/g/n	M230dsn: No; M230dsn: Standard Wi-Fi 802.11 b/g/n	
Mobile printing capability	M12a: No; M12w: HP ePrint; Mopria™-certified; Mobile Apps	M104a: No; M104w: Apple AirPrint™; HP ePrint; Google Cloud Print 2.0; Mopria-certified; Wi-Fi Direct	M106a: No; M106w: Apple AirPrint™; HP ePrint; Google Cloud Print 2.0; Mopria-certified; Wi-Fi Direct	M203dsn: No; M203dw: HP ePrint; AirPrint™; Wi-Fi Direct; Printing; AirPrint 1.5 with media presence sensor; Google Cloud Print™ 2.0; HP Smart App	M26a: No; M26nw: HP ePrint; Mopria™-certified	M132a: No; M132m: Apple AirPrint™; HP ePrint; Google Cloud Print 2.0; Mopria-certified; Wi-Fi Direct; M132fw/fw: Apple AirPrint™; HP ePrint; Google Cloud Print 2.0; Mopria-certified	M134a: No; M134m: Apple AirPrint™; HP ePrint; Google Cloud Print 2.0; Mopria-certified	M227a: No; M227dn/fw: HP ePrint; AirPrint™; HP ePrint; Google Cloud Print 2.0; Mopria-certified; Wi-Fi Direct; M227fdn: HP ePrint; AirPrint™; HP ePrint; Google Cloud Print 2.0; NFC touch-to-print enabled; HP Smart App	M230dsn: HP ePrint; AirPrint™; Google Cloud Print™ 2.0
Print cartridges number	1 Black	1 Black	3 Black	1 Black	1 Black	1 Black	3 Black	3 Black	
Printer management	HP Status and Alerts; (CD install only)	HP Printer Assistant (LDC); HP Device Toolbox; HP Utility (Mac)	HP Printer Assistant (LDC); HP Device Toolbox; HP Utility (Mac)	HP Printer Assistant (LDC); HP Utility (Mac); HP Device Toolbox; HP JetAdvantage Security Manager	Windows: HP Device Toolbox; Status Alerts (default install)	HP Printer Assistant (LDC); HP Device Toolbox; HP Utility (Mac)	HP Printer Assistant (LDC); HP Device Toolbox; HP JetAdvantage Security Manager	HP Printer Assistant (LDC); HP Utility (Mac); HP Device Toolbox; HP JetAdvantage Security Manager	
Scan									
Type	Not applicable	Not applicable	Not applicable	Not applicable	Flatbed	M132a/mw: Flatbed; M132fn/fw: Flatbed, ADF	M227a: Flatbed; M227dn/fw/fw: Flatbed, ADF	Flatbed, ADF	
Technology	Not applicable	Not applicable	Not applicable	Not applicable	Contact Image Sensor (CIS)	Contact Image Sensor (CIS)	Contact Image Sensor (CIS)	Contact Image Sensor (CIS)	
Resolution	Not applicable	Not applicable	Not applicable	Not applicable	Enhanced: Up to 1200 dpi; Hardware: Up to 1200 x 1200 dpi; Optical: Up to 1200 dpi	M132a/mw: Hardware: Up to 600 x 600 dpi (colour, flatbed); Up to 1200 x 1200 dpi (mono, flatbed); Optical: Up to 600 dpi (colour, flatbed); Up to 300 x 300 dpi (colour and mono, ADF); Up to 600 x 600 dpi (colour, flatbed); Up to 1200 x 1200 dpi (mono, flatbed); Up to 300 dpi (colour and mono, ADF); Up to 600 dpi (colour, flatbed); Up to 1200 dpi (mono, flatbed)	M227a: Hardware: Up to 1200 x 1200 dpi (colour and mono, flatbed); Optical: Up to 1200 dpi (colour and mono, flatbed); Up to 300 x 300 dpi (colour and mono, ADF); Up to 600 x 600 dpi (colour, flatbed); Up to 1200 x 1200 dpi (mono, flatbed); Up to 300 dpi (colour and mono, ADF); Up to 600 dpi (colour, flatbed); Up to 1200 dpi (mono, flatbed)	Hardware: Up to 300 x 300 dpi (colour and mono, ADF); Up to 1200 x 1200 dpi (colour and mono, flatbed)	
Max scanning size	Not applicable	Not applicable	Not applicable	Not applicable	Flatbed: 216 x 297 mm	Flatbed: 215.9 x 297 mm; ADF: 215.9 x 297 mm (M132m/fw/fw)	Flatbed: 215.9 x 297 mm; ADF: 215.9 x 297 mm (M227a/dn/fw)	Flatbed: 215.9 x 297 mm; ADF: 215.9 x 355.6 mm	
Input modes	Not applicable	Not applicable	Not applicable	Not applicable	Solution Center Lite (Windows Vista®), Windows® XP or Device Stage (Windows® 7, 8), TWAIN-compliant or WIA-compliant software	Scanning via HP LaserJet Scan (Windows®), HP Director (Macintosh) or TWAIN-compliant or WIA-compliant software	Scanning via HP LaserJet Software Scan or TWAIN-compliant or WIA-compliant software	Scanning via HP LaserJet Software Scan or TWAIN-compliant or WIA-compliant software	
Grayscale levels	Not applicable	Not applicable	Not applicable	Not applicable	256	256	256	256	
Dry cycle	Not applicable	Not applicable	Not applicable	Not applicable	24-bit	24-bit	24-bit	24-bit	
File format	Not applicable	Not applicable	Not applicable	Not applicable	Windows Scan SW supports file format: JPG, RAW/BMP, PDF, TIFF, PNG, Mac Scan SW supports file format: TIFF, PNG, JPEG, JPEG-2000, PDF, PDF-Searchable, RTE, TXT	JPEG, RAW (BMP), PNG, TIFF, PDF	JPG, RAW (BMP), PNG, TIFF, PDF	JPG, RAW (BMP), PNG, TIFF, PDF	
Copy									
Speed	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Black (normal, A4): Up to 21 cpm	Black (normal, A4): Up to 28 cpm	Black (A4, normal): Up to 28 cpm; Black (Duplex (A4)): Up to 18 cpm	
Resolution	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Black (text and graphics): 600 x 400 dpi	Black (text and graphics): 600 x 400 dpi	Black (text and graphics): 600 x 600 dpi	
Max copies	Not applicable	Not applicable	Not applicable	Not applicable	Up to 99 copies	Up to 99 copies	Up to 99 copies	Up to 99 copies	
Copier settings					M132m/fw/fw: Number of Copies; Lighter/Darker; Optimize; Paper; Multi-Page Copy; Draft Mode; M132m: Number of Copies; Lighter/Darker; Optimize; Paper; Multi-Page Copy; Draft Mode; Collation; M132fw/fw: Number of Copies; Lighter/Darker; Optimize; Paper; Multi-Page Copy; Draft Mode	M134a: Number of Copies; Lighter/Darker; Optimize; Paper; Multi-Page Copy; Draft Mode	M227a: Number of Copies; Lighter/Darker; Optimize; Paper; Multi-Page Copy; Collation; Draft Mode	M230dsn: Number of Copies; Lighter/Darker; Optimize; Paper; Multi-Page Copy; Collation; Draft Mode	
Fax									
Resolution	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	M132m/fw/fw: Black (best): Up to 300 x 300 dpi (half-tone enabled)	M134a: Black (best): Up to 300 x 300 dpi (half-tone enabled)	Not applicable	
Transmission speed	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	M132m/fw/fw: 33.6 kbps	M134a: 33.6 kbps	Not applicable	
Memory	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	M132m/fw/fw: Black (best): Up to 1,000 pages	M227dn/fw/fw: Up to 1,000 pages	Not applicable	
Display	None	LED	LED	LED	2-lines LCD	M132a: ICON LCD; M130m/fw/fw/dn: 2-line LCD	M227a/dn/fw: 2-line LCD; M227fw: 2.7-inch touch screen, LCD (colour, graphics)	2-line LCD	
Media									
Automatic document feeder	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	M132a/mw: No; M132m/fw/fw/fw: 35 sheets	M227a: No; M227dn/fw/fw: 35 sheets	Standard: 35 sheets	
Duty cycle (monthly, A4)*	Up to 5,000 pages	Up to 10,000 pages	Up to 20,000 pages	Up to 20,000 pages	Up to 5,000 pages	Up to 10,000 pages	Up to 20,000 pages	Up to 40,000 pages	
Recommended monthly volume	100 to 1,000 pages	150 to 1,500 pages	250 to 2,500 pages	100 to 2,500 pages	100 to 2,500 pages	100 to 2,500 pages	250 to 2,500 pages	350 to 3,000 pages	
Paper handling	M12a: 150-sheet input tray, 100-sheet output tray	M104a: 150-sheet input tray, 100-sheet output tray	M106a: 150-sheet input tray, 10-sheet priority tray, 150-sheet output tray	M203dw: 150-sheet input tray, 10-sheet priority tray, 150-sheet output tray	M26nw: 150-sheet input tray, 100-sheet output tray	M132a: 150-sheet input tray, 100-sheet output tray	M134a: 150-sheet input tray, 100-sheet output tray	M227a: 250-sheet input tray, 10-sheet priority tray, 150-sheet output tray	M230dsn: 250-sheet input tray, 10-sheet priority tray, 150-sheet output tray
Supported sizes	A4, A5, A6, B5, postcards, envelopes (CS, DL, B5)	A4, A5, A6, B5, postcards, envelopes (CS, DL, B5)	A4, A5, A6, B5 (US)	A4, A5, A6, B5 (US)	A4, A5, B5-Japanese, envelopes (DL, CS, B5, Com #10, Manach #7, 3/4); 16K; post cards (Standard #10, JIS single and double)	A4, A5, B5 (US), A6	A4, A5, B5 (US), A6	A4, A5, B5 (US), A6	
Supported weights	60 to 163 gsm*	60 to 163 gsm*	60 to 163 gsm*	60 to 163 gsm*	60 to 163 gsm*	60 to 163 gsm*	60 to 163 gsm*	60 to 163 gsm*	
Types	Paper (base, plain, photo, rough, vellum), envelopes, labels, cardstock, transparencies, postcards	Paper (base, plain, photo, rough, vellum), envelopes, labels, cardstock, postcards	Paper (base, plain, photo, rough, vellum), envelopes, labels, cardstock, postcards	Paper (base, plain, photo, rough, vellum), envelopes, labels, cardstock, postcards	Paper (plain, laserjet), envelopes, transparencies, labels, postcards	Paper (base, plain, photo, rough, vellum), envelopes, labels, cardstock, postcards	Paper (base, plain, photo, rough, vellum), envelopes, labels, cardstock, postcards	Paper (base, plain, photo, rough, vellum), envelopes, labels, cardstock, postcards	
Processor	266 MHz	600 MHz	800 MHz	800 MHz	600 MHz	600 MHz	800 MHz	800 MHz	
Memory (Std)	2 MB	128 MB	256 MB	256 MB	128 MB	128 MB	256 MB	256 MB	
Operating system compatibility	Windows® 7, 8, 8.1, 10 (32-bit/64-bit), Windows Vista® (32-bit/64-bit), Windows® XP (32-bit/64-bit), Windows® Server 2008 (32-bit/64-bit), Windows® Server 2012 (32-bit/64-bit), Mac OS X 10.5, 10.6, 10.7, 10.8, 10.9, 11.0	Windows 10, 8, 8.1, 7, 8, 7: 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer, Windows Vista® (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer or Windows XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer or Apple® OS X Sierra (10.12), OS X Yosemite (10.10), OS X El Capitan (10.11), OS X Mavericks (10.10.1), 1 GB HD, internet required; USB, Linux (for more information, see http://hplppsource.com/hplip-website/index.html); Unix (for more information, see http://www.gutenberg.org/licenses/)	Windows 10, 8, 8.1, 7, 8, 7: 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer, Windows Vista® (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer or Windows XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer or Apple® OS X Sierra (10.12), OS X Yosemite (10.10), OS X El Capitan (10.11), OS X Mavericks (10.10.1), 1 GB HD, internet required; USB, Linux (for more information, see http://hplppsource.com/hplip-website/index.html); Unix (for more information, see http://www.gutenberg.org/licenses/)	Windows 10, 8, 8.1, 7, 8, 7: 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer, Windows Vista® (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer or Windows XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer or Apple® OS X Sierra (10.12), OS X Yosemite (10.10), OS X El Capitan (10.11), OS X Mavericks (10.10.1), 1 GB HD, internet required; USB, Linux (for more information, see http://hplppsource.com/hplip-website/index.html); Unix (for more information, see http://www.gutenberg.org/licenses/)	Windows 7, 8, 8.1, 7: 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer, Windows Vista® (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer or Windows XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer or Apple® OS X Sierra (10.12), OS X Yosemite (10.10), OS X El Capitan (10.11), OS X Mavericks (10.10.1), 1 GB HD, internet required; USB, Linux (for more information, see http://hplppsource.com/hplip-website/index.html); Unix (for more information, see http://www.gutenberg.org/licenses/)	Windows 10, 8, 8.1, 7, 8, 7: 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer, Windows Vista® (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer or Windows XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer or Apple® OS X Sierra (10.12), OS X Yosemite (10.10), OS X El Capitan (10.11), OS X Mavericks (10.10.1), 1 GB HD, internet required; USB, Linux (for more information, see http://hplppsource.com/hplip-website/index.html); Unix (for more information, see http://www.gutenberg.org/licenses/)	Windows 10, 8, 8.1, 7, 8, 7: 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer, Windows Vista® (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer or Windows XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer or Apple® OS X Sierra (10.12), OS X Yosemite (10.10), OS X El Capitan (10.11), OS X Mavericks (10.10.1), 1 GB HD, internet required; USB, Linux (for more information, see http://hplppsource.com/hplip-website/index.html); Unix (for more information, see http://www.gutenberg.org/licenses/)	Windows 10, 8, 8.1, 7, 8, 7: 32-bit or 64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer, Windows Vista® (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer or Windows XP SP3 or higher (32-bit only); any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or internet connection, USB port, Internet Explorer or Apple® OS X Sierra (10.12), OS X Yosemite (10.10), OS X El Capitan (10.11), OS X Mavericks (10.10.1), 1 GB HD, internet required; USB, Linux (for more information, see http://hplppsource.com/hplip-website/index.html); Unix (for more information, see http://www.gutenberg.org/licenses/)	
Environmental									
Operating environment	Operating temperature range: 15 to 32.5°C. Recommended operating temperature: 17.5 to 25°C. Non-operating humidity range: 10 to 90% RH; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to 70% RH	Operating temperature range: 15 to 32.5°C. Recommended operating temperature: 17.5 to 25°C. Non-operating humidity range: 10 to 90% RH; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to 70% RH	Operating temperature range: 15 to 32.5°C. Recommended operating temperature: 17.5 to 25°C. Non-operating humidity range: 10 to 90% RH; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to 70% RH	Operating temperature range: 15 to 32.5°C. Recommended operating temperature: 17.5 to 25°C. Non-operating humidity range: 10 to 90% RH; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to 70% RH	Operating temperature range: 15 to 32.5°C. Recommended operating temperature: 17.5 to 25°C. Non-operating humidity range: 10 to 90% RH; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to 70% RH	Operating temperature range: 15 to 32.5°C. Recommended operating temperature: 17.5 to 25°C. Non-operating humidity range: 10 to 90% RH; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to 70% RH	Operating temperature range: 15 to 32.5°C. Recommended operating temperature: 17.5 to 25°C. Non-operating humidity range: 10 to 90% RH; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to 70% RH	Operating temperature range: 15 to 32.5°C. Recommended operating temperature: 17.5 to 25°C. Non-operating humidity range: 10 to 90% RH; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to 70% RH	Operating temperature range: 15 to 32.5°C. Recommended operating temperature: 17.5 to 25°C. Non-operating humidity range: 10 to 90% RH; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to 70% RH
Acoustics	Acoustic power emissions: 6.4 dB(A); Acoustic pressure emissions bystander (active, printing): 50 dB(A)	Acoustic power emissions: 6.5 dB(A); Acoustic pressure emissions (ready): 2.7 dB(A); Acoustic pressure emissions bystander (active, printing): 51 dB(A); Acoustic pressure emissions bystander (ready): 17 dB(A)	Acoustic power emissions: 6.5 dB(A); Acoustic pressure emissions (ready): 2.6 dB(A); Acoustic pressure emissions bystander (active, printing): 53 dB(A); Acoustic pressure emissions bystander (ready): 16 dB(A)	Acoustic power emissions: 6.5 dB(A); Acoustic pressure emissions (ready): 2.6 dB(A); Acoustic pressure emissions bystander (active, printing): 53 dB(A); Acoustic pressure emissions bystander (ready): 16 dB(A)	Acoustic power emissions: 6.2 dB(A); Acoustic pressure emissions (ready): 2.6 dB(A); Acoustic pressure emissions bystander (active, printing): 47 dB(A)	Acoustic power emissions: 6.5 dB(A) (printing at 23 ppm); Acoustic pressure emissions (ready): 2.6 dB(A); Acoustic pressure emissions bystander (active, printing): 51 dB(A); Acoustic pressure emissions bystander (ready): 16 dB(A)	Acoustic power emissions: 6.5 dB(A) (printing at 28 ppm) M227fdn, 6.6 dB(A) (printing at 28 ppm) ; Acoustic pressure emissions (ready): 2.6 dB(A); Acoustic pressure emissions bystander (active, printing): 52 dB(A); Acoustic pressure emissions bystander (ready): 16 dB(A)	Acoustic power emissions: 6.5 dB(A) (printing at 23 ppm); Acoustic pressure emissions (ready): 2.6 dB(A); Acoustic pressure emissions bystander (active, printing): 52 dB(A); Acoustic pressure emissions bystander (ready): 16 dB(A)	
Power specifications	Power supply type: Built-in power supply; Power supply required: Input voltage: 110 to 127 VAC (+/-10%), 60 Hz (+/-2 Hz), 12 amp; 220 to 240 VAC (+/-10%), 50/60 Hz (+/-2 Hz), 6.0 amp; Power consumption: 375 watts (active printing), 1.2 watts (ready), 0.8 watts (sleep), 0.8 watts (Auto Off/Manual-off), 0.5 watts (Auto Off/Manual-off), 0.5 watts (Manual Off); Typical Electrical Consumption number: BA: 0.509 kWh								