



HP Designjet HD Pro MFP

High-definition 44-in MFP for excellent color accuracy and high productivity



Excellent image reproduction with CCD technology

- Reproduce colors with excellent accuracy thanks to CCD technology that enables high-quality color scanning and copying.
- Efficiently handle complex images with an advanced five-camera system that captures detail in high precision.
- Scan maps, orthophotos, and technical drawings—even if old and damaged—with CCD technology for great results.
- Create large-format color and monochrome scans/copies up to 42-inches (1067-mm) wide on thick¹, rigid media.

A fast HD scanner designed to streamline workflows

- Scan fast—up to 6 inches (152 mm) per second in color and 13 inches (330 mm) per second in black-and-white.
- Accelerate workflows. Save scans as PDF, TIFF, JPEG, or DWF files. Do batch scanning. Create multipage PDFs.
- Easily share images. Scan to email, USB, network—or print with the HP Designjet Z5400 44-in PostScript® ePrinter.
- Preview and enhance images using the 15.6-inch (396 mm) touchscreen all-in-one PC for high-quality results.

Efficiently produce high-quality, durable prints

- Enjoy high-quality, long-lasting results on a wide range of media with fast-drying, pigment-based HP Photo Inks.
- Process large and complex files efficiently with a 320 GB hard drive for printing and 2 GB for scan processing.
- Ensure color reliability with HP Professional PANTONE® color emulation and embedded Adobe® PostScript®/PDF.
- Save space. Use the eight-level adjustable scanner stand to create a single footprint by positioning the scanner directly above your printer.

¹ Up to 0.6 inches (15 mm) thickness.



Eco Highlights

- Save paper with two roll configuration, print image nesting, blank print area detection, image auto rotate, and realistic print previews
- Less ink wasted thanks to efficient installation and maintenance routines
- Free, convenient cartridge and printhead recycling¹

¹ Program availability varies. Please check hp.com/recycle for details.

Please recycle large-format printing hardware and printing supplies. Find out how at our website: hp.com/ecosolutions

Technical specifications

| | | |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HP Designjet Z5400 PostScript® ePrinter | | |
| Print | Maximum print speed ¹ | 53 m ² /hr (570 ft ² /hr) |
| | Print resolution | Up to 2400 x 1200 optimized dpi |
| | Margins (top x bottom x left x right) | Roll: 5 x 5 x 5 x 5 mm (0.2 x 0.2 x 0.2 x 0.2 in) (borderless on photo roll media) Sheet: 5 x 17 x 5 x 5 mm (0.2 x 0.67 x 0.2 x 0.2 in) |
| | Ink types | Pigment-based |
| | Ink cartridges | Cyan, light gray, magenta, matte black, photo black, yellow |
| | Line accuracy | +/- 0.1% ² |
| | Minimum line width | 0.04 mm (0.0015 in) (HP-GL/2 addressable) |
| | Guaranteed minimum line width | 0.08 mm (0.0031 in) (ISO/IEC 13660:2001(E)) ³ |
| Media | Handling | Two automatic roll feeds; smart roll-switching; sheet feed; media output bin; automatic cutter ⁴ |
| | Size | Rolls: 279 to 1118 mm (11 to 44 in) Sheets: 210 x 279 to 1118 x 1676 mm (8.3 x 11 to 44 x 66 in) Standard sheets: A4, A3, A2, A1, A0 (A, B, C, D, E) |
| | Thickness | Up to 0.8 mm (31.5 mil) |
| Applications | Line drawings, Renderings, Maps, Orthophotos, Graphics design, Office Graphics, Posters, Photos, Digital fine art, Banners, Exhibition, event graphics, Light boxes - film, Point of sale/display | |
| Memory | 64 GB (virtual) ⁵ , 320 GB hard disk | |
| Connectivity | Interfaces (standard) | Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0 certified, EIO Jetdirect accessory slot |
| | Print languages (standard) | Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP PCL 3 GUI, HP-GL/2 ⁶ , and HP-RTL ⁶ |
| | Printing paths | Printer driver, HP Embedded Web Server, HP Instant Printing PRO, direct printing from USB flash drive, email printing |
| Acoustic | Sound pressure | 45 dB(A) (printing); 23 dB(A) (ready) |
| | Sound power | 6.7 B(A) (printing); 4.1 B(A) (ready) |
| Power | Consumption | < 120 watts (printing); < 27 watts (ready); < 5 watts (< 22 watts with embedded Digital Front End) (sleep); 0.1 watts (off) |
| | Requirements | Input voltage (auto ranging): 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), 2 A max |
| Certification | Safety | USA and Canada (CSA certified); EU (LVD and EN 60950-1 compliant); Russia/Kazakhstan (EAC); Singapore (PSB); China (CCC); Argentina (IRAM); Mexico (NCE) |
| | Electromagnetic | Compliant with Class B requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI); Certified as Class A product: Korea (KCC) |
| | Environmental | ENERGY STAR, WEEE, EU RoHS, China RoHS, REACH, EPEAT Bronze |
| HP Designjet HD Pro Scanner (CCD scan technology) | | |
| Scan and copy | Scan speed | Color: up to 15 cm/sec (6 in/sec) Grayscale: up to 33 cm/sec (13 in/sec) |
| | Enhanced resolution | 9600 dpi |
| | Optical resolution | 1200 dpi |
| | Maximum scan width | 1067 mm (42 in) |
| | Scan input modes | On the touchscreen: scan preview, scan to file, scan to e-mail, scan to USB, scan to print, scan to FTP, copy, batch scanning, batch copying, collate copy, copy to simultaneous printers |
| Media | Handling | Straight-through scan paper path for sheet and cardboard originals, adjustable paper pressure for very thin media up to 15 mm original thickness |
| | Size | Up to 1118 mm (44 in) wide |
| | Thickness | Up to 15 mm (0.6 in) |
| Memory | 2 GB memory, 500 GB hard disk | |
| Connectivity | Interfaces (standard): Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0 certified, | |
| Acoustic | Sound pressure | 47 dB(A) (scanning); <22 dB(A) (ready); <22 dB(A) (sleep) |
| | Sound power | 6.4 B(A) (scanning); <3.9 B(A) (ready); <3.9 B(A) (sleep) |
| Power | Consumption | 90 watts (scanning); 80 watts (ready); <3 watts (sleep) |
| | Requirements | Input voltage (auto ranging): 100 to 240 VAC (+/- 10%), 50/60 Hz, 5 A max |
| Certification | Safety | USA and Canada (UL certified), EU (LVD and EN 60950-1 compliant), Russia (EAC), Singapore (PSB), China (CCC), Argentina (IRAM), Mexico (NYCE), Korea (KCC) |
| | Electromagnetic | Compliance for Class A ITE products: EU (EMC Directive), USA (FCC Rules), Canada (ICES), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (MSIP), Taiwan (BSMI), Russia (EAC) |
| | Environmental | ENERGY STAR, WEEE, RoHS (EU, China, Korea, India), REACH, EPEAT Bronze |
| Others Details | | |
| Dimensions (w x d x h) | MFP | 1771 x 1140 x 1500 mm (69.8 x 44.9 x 59.1 in) |
| | Shipping | 1930 x 766 x 1390 mm (76 x 30.2 x 54.7 in) |
| Weight | MFP | 157 kg (346 lb) |
| | Shipping | 226 kg (498 lb) |
| What's in the box | Printer: HP Designjet Z5400 PostScript ePrinter, printheads, introductory ink cartridges, printer stand and media bin, spindles, quick reference guide, setup poster, start-up software, power cord Scanner: HP Designjet HD Pro Scanner, stand, touchscreen (panel PC), quick reference guide, setup poster, copy/scan software, documentation software, Ethernet cables (x2), power cords | |
| Environmental ranges | Operating temperature | 5 to 40°C (41 to 104°F) |
| | Storage temperature | -25 to 55°C (-13 to 131°F) |
| | Operating humidity | 20 to 80% RH |
| Warranty | One-year limited hardware warranty | |



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Ordering information

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|----------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Product | L3S82A | HP Designjet HD Pro MFP |
| | L3S82B | HP Designjet HD Pro MFP with Encrypted HDD |
| Accessories | Q6709A | HP Designjet 44-inch Roll Feed Spindle |
| | J8025A | HP Jetdirect 640n Print Server |
| | CN538A | HP Designjet 3-in Core Adapter |
| Original HP printheads | C9404A | HP 70 Matte Black and Cyan Printhead |
| | C9406A | HP 70 Magenta and Yellow Printhead |
| | C9407A | HP 70 Photo Black and Light Gray Printhead |
| Original HP ink cartridges | CN629A | HP 772 300-ml Magenta Designjet Ink Cartridge |
| | CN630A | HP 772 300-ml Yellow Designjet Ink Cartridge |
| | CN633A | HP 772 300-ml Photo Black Designjet Ink Cartridge |
| | CN634A | HP 772 300-ml Light Gray Designjet Ink Cartridge |
| | CN635A | HP 772 300-ml Matte Black Designjet Ink Cartridge |
| | CN636A | HP 772 300-ml Cyan Designjet Ink Cartridge |
| | C9448A | HP 70 130-ml Matte Black Ink Cartridge |
| | C9449A | HP 70 130-ml Photo Black Ink Cartridge |
| | C9451A | HP 70 130-ml Light Gray Ink Cartridge |
| | C9452A | HP 70 130-ml Cyan Ink Cartridge |
| C9453A | HP 70 130-ml Magenta Ink Cartridge | |
| C9454A | HP 70 130-ml Yellow Ink Cartridge | |
| Original HP large format printing materials | C6810A | HP Bright White Inkjet Paper (FSC® certified) ⁷ 914 mm x 91.4 m (36 in x 300 ft) |
| | C6030C | HP Heavyweight Coated Paper (PEFC™ certified) ⁷ 914 mm x 30.5 m (36 in x 100 ft) |
| | Q7996A | HP Premium Instant-dry Satin Photo Paper (FSC® certified) ⁷ 1067 mm x 30.5 m (42 in x 100 ft) |
| | C0F29A | HP Everyday Adhesive Gloss Polypropylene, 2 Pack 1067 mm x 22.9 m (42 in x 75 ft) |
| | C2T54A | HP Premium Matte Polypropylene, 2 Pack 1067 mm x 22.9 m (42 in x 75 ft) |
| CH025A | HP Everyday Matte Polypropylene, 2 Pack 1067 mm x 30.5 m (42 in x 100 ft) | |
| Service and Support | H4518E | HP Network Installation Designjet High-end and Midrange Service |
| | U7UL8E | HP 2 year Next Business Day plus Defective Media Retention Support |
| | U7UL9E | HP 3 year Next Business Day plus Defective Media Retention Support |
| | U7UM0E | HP 4 year Next Business Day plus Defective Media Retention Support |
| | U7UM1E | HP 5 year Next Business Day plus Defective Media Retention Support |
| | U7UM2PE | HP 1 year Post Warranty Next Business Day plus Defective Media Retention Support |
| | U7UN3PE | HP 2 year Post Warranty Next Business Day plus Defective Media Retention Support |
| | U1XV4E | HP Preventive Maintenance Service |

HP Designjet Support Services offer solutions for business critical environments — installation, extended support and maintenance, as well as variety of value added services. For more information, please visit hp.com/go/designjetsupport.

Use HP Photo Inks and printheads to experience consistent high quality and reliable performance that enable less downtime and increased productivity. These critical printing system components are designed and engineered together to provide optimized efficiency, a wide color gamut, and prints with over 200 years fade resistance.¹¹

For more information, visit hp.com/go/OriginalHPInks.

For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

¹ Maximum rate of output for color image 100% color coverage (Bandes file). Printed in Fast mode with Econmode on, on HP Bright White Inkjet Paper (Bond), maximum roll size, with HP Vivid Photo Inks.

² +/-0.1% of the specified vector length or +/-0.2 mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with HP Photo Inks

³ Measured on HP Matte Film.

⁴ Cuts all media except canvas and banners.

⁵ Based on 768 MB RAM

⁶ HP-GL/2 and HP-RTL only available via HP Instant Printing PRO or the HP Embedded Web Server

⁷ BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. BMG trademark license code PEFC™/29-31-261, see pefc.org. HP trademark license code PEFC™/29-31-198, see pefc.org. Not all FSC®- or PEFC™-certified products are available in all regions.

⁸ Can be recycled through commonly available recycling programs.

⁹ Papers can be recycled according to region-specific practices. In North America and Asia (including Japan), recyclable in consumer collection systems that can accept mixed paper (may not be recyclable in your area); in Europe recyclable in consumer collection systems that accept liquid packaging.

¹⁰ HP Large Format Media take-back program availability varies. Recycling programs may not exist in your area. See HPLFMedia.com/hp/ecosolutions for details.

¹¹ With Original HP 772 or HP 70 Photo Inks. Display permanence rating for interior displays/away from direct sunlight, under glass by HP Image Permanence Lab on a range of HP media. For details, see HPLFMedia.com/hp/printpermanence.

NOTES:

-As an ENERGY STAR® Partner, HP Development Company, L.P., qualified these models as

meeting the ENERGY STAR energy efficiency criteria through an EPA recognized certification body.

-These models are EPEAT registered at the Bronze level under Imaging Equipment category. See

www.epeat.net for registration status by country.

For more information, please visit

hp.com/go/DesignjetHDProMFP

