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 thick[1], 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 recycling[1]

[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 m²/hr (570 ft²/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 (NYCE)
	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	Scanner	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 (KC)
	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	1770 x 1140 x 1500 mm (69.6 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 40ºC (41 to 104ºF)
	Storage temperature	-25 to 55ºC (-13 to 131ºF)
	Operating humidity	20 to 80% RH
Warranty		One-year limited hardware warranty

Ordering information

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] [8] 914 mm x 91.4 m (36 in x 300 ft)
	C6030C	HP Heavyweight Coated Paper (PEFC™ certified)[7] [8] 914 mm x 30.5 m (36 in x 100 ft)
	Q7996A	HP Premium Instant-dry Satin Photo Paper (FSC® certified)[7] [9] 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 [10] 1067 mm x 22.9 m (42 in x 75 ft)
	CH025A	HP Everyday Matte Polypropylene, 2 Pack [10] 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 Economode 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 criterial 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