HP DesignJet HD Pro 44-in MFP

High-definition graphics 44-in MFP for technical and graphics applications—fast and secure

PRECISE—Excellent reproduction with CCD technology

- Reproduce colors with excellent accuracy with CCD technology that enables high-quality color scanning/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 black-and-white scans up to 42-in (1067-mm)) wide on thick[1], rigid media.

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.

- Scan to email, USB, network—or print with the HP DesignJet Z6dr 44-in PostScript® Printer with V-Trimmer.

- Work comfortably with a 15.6-in (396-mm) color touchscreen.

SECURE—Protect your work and your information

- Protect printers/data from unauthorized access with HP Secure Boot, whitelisting, 500 GB encrypted hard disk.

- Protect documents, preserve confidentiality with authentication solutions like PIN printing, card readers.[2]

- Secure your printer with HP JetAdvantage Security Manager; manage your fleet remotely with HP Web Jetadmin.

- Reliable color—HP Professional PANTONE® color emulation, embedded Adobe® PostScript®, Adobe® PDF Print Engine.

For more information, please visit
hp.com/go/DesignJetHDProMFP

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. More at: hp.com/go/learnaboutsupplies

[1] Up to 0.6-in (15-mm) thickness.
[2] Card reader functionality enabled through optional third-party solutions.

Technical specifications

HP DesignJet Z6dr 44-in PostScript® Printer with V-Trimmer

Print	Maximum print speed[1]	916 ft²/hr (85.1 m²/hr) on plain media
	Color images	Normal: 1.1 min/page[2] on A1/D or up to 310 ft²/hr[1] (28.8 m²/hr[1]) on coated media Best: 3.2 min/page[2] on A1/D or up to 108 ft²/hr[1] (10 m²/hr[1]) on glossy media
	Print resolution	Up to 2400 x 1200 optimized dpi
	Margins (top x bottom x left x right)	Roll: Borderless on all media with V-Trimmer[3] Sheet: 0.2 x 0.67 x 0.2 x 0.2 in (5 x 17 x 5 x 5 mm)
	Ink types	Pigment-based
	Ink cartridges	6 (cyan, magenta, yellow, matte black, photo black, chromatic red)
	Ink drop	7/3 pl dual-drop weight (M, C, PK); 6 pl single-drop weight (Y, CR, MK)
Media	Handling	Two automatic roll feeds, smart roll-switching, top sheet feed, media output bin, automatic horizontal cutter and vertical trimmer (cuts all HP Z-series printer-qualified media, including most canvas)
	Size	Rolls: 11 to 44 in (279 to 1118 mm) Sheets: 8.3 x 11 to 44 x 66 in (210 x 279 to 1118 x 1676 mm) Standard sheets: A, B, C, D, E (A4, A3, A2, A1, A0)
	Thickness	Up to 31.5 mil (0.8 mm)
Applications		Banners, Exhibition and event graphics, Light boxes - film, Maps, Orthophotos, Point of sale display, Posters
Memory		128 GB (virtual)[4]; 500 GB self-encrypting hard disk
Connectivity	Interfaces	Ethernet, Fast Ethernet, Gigabit Ethernet, 10/100/1000Base-T Ethernet (802.3, 802.3u, 802.3ab); USB Type-A host port
	Print languages (standard)	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP-GL/2, HP-RTL
Acoustic	Sound pressure	45 dB(A) (operating); 33 dB(A) (idle); <16 dB(A) (sleep)
	Sound power	6.3 B(A) (operating); 5.1 B(A) (idle); <3.4 B(A) (sleep)
Power	Consumption	< 100 W (printing); < 32 W (ready); < 0.3 W (< 6.5 W with embedded Digital Front End) (sleep); 0.1 W (off)
	Requirements	Input voltage (auto ranging) 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max
Certification	Safety	USA and Canada (CSA certified); EU (LVD and EN 60950-1 compliant); Russia, Belarus, Khazakstan (EAC); Singapore (PSB); China (CCC); Argentina (IRAM); India (BIS)
	Electromagnetic	Compliant with Class B requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (KCC), South Africa (SABS)
	Environmental	ENERGY STAR; ErP; WEEE; RoHS (EU, China, Korea, India); REACH; EPEAT Silver

HP HD Pro 42-in Scanner (CCD scan technology)

Scan and copy	Scan speed	Color: up to 6 in/sec (15 cm/sec) Grayscale: up to 13 in/sec (33 cm/sec)
	Enhanced resolution	9600 dpi
	Optical resolution	1200 dpi
	Maximum scan width	42 in (1067 mm)
	Scan input modes	File, email, USB, HDD, network folder, FTP, print
Media	Handling	Straight-through scan paper path for sheet and cardboard originals, adjustable paper pressure for very thin media. Face-down, front entry, rear exit, rewind to front, use document return guide for front-return. Automatic high adjustment of scanner bridge for thick originals up to 15 mm (0.6 in) thickness.
	Thickness	Up to 0.6 in (15 mm)
Memory	Scanner	4 GB memory, 500 GB hard disk
Connectivity	Interfaces (standard)	Dual Gigabit Ethernet (1000Base-T), Hi-Speed USB 3.0 certified
Acoustic	Sound pressure	48 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): 100-240 V (±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

Other Details

Dimensions (w x d x h)	MFP	69.6 x 44.9 x 59.1 in (1770 x 1140 x 1500 mm)
	Shipping	76.0 x 27.9, 57.1 in (1930 x 710 x 1450 mm)
Weight	MFP	346 lb (157 kg)
	Shipping	445.3 lb (202 kg)
What's in the box		Printer: HP DesignJet Z6dr 44-in PostScript Printer with V-Trimmer, printheads, introductory ink cartridges, printer stand and media bin, spindle, 3-in core adapter, quick reference guide, setup poster, power cord; Scanner: HP HD Pro 42-in Scanner, stand, touchscreen (panel PC), quick reference guide, media guides, setup poster, copy/scan software, documentation software, Ethernet cables (x2), power cords
Environmental ranges	Operating temperature	41 to 104ºF (5 to 40ºC)
	Storage temperature	-13 to 131ºF (-25 to 55ºC)
	Operating humidity	20 to 80% RH
Warranty		One-year limited hardware warranty

Ordering information

Product	2QX51A	HP DesignJet HD Pro 44-in MFP
Accessories	CN538A	HP USB 3.0 to Gigabit LAN Adapter
	N7P47A	HP Jetdirect 640n Print Server
	Q6709A	HP DesignJet 44-in Spindle
	1QF38A	HP DesignJet 44-in Take-up Reel
Original HP printheads	F9J86A	HP 744 Photo Black and Cyan DesignJet Printhead
	F9J87A	HP 744 Magenta and Yellow DesignJet Printhead
	F9J88A	HP 744 Matte Black and Chromatic Red DesignJet Printhead
Original HP ink cartridges	P2V81A	HP 746 300-ml Chromatic Red DesignJet Ink Cartridge
	P2V80A	HP 746 300-ml Cyan DesignJet Ink Cartridge
	P2V78A	HP 746 300-ml Magenta DesignJet Ink Cartridge
	P2V83A	HP 746 300-ml Matte Black DesignJet Ink Cartridge
	P2V82A	HP 746 300-ml Photo Black DesignJet Ink Cartridge
	P2V79A	HP 746 300-ml Yellow DesignJet Ink Cartridge
Original HP large format printing materials	Q6581A	HP Universal Instant-dry Satin Photo Paper (FSC® certified)[5] [6] 42 in x 100 ft (1067 mm x 30.5 m)
	E4J57A	HP Artist Matte Canvas 44 in x 50 ft (1118 mm x 15.2 m)
	C6569C	HP Heavyweight Coated Paper (FSC® certified)[5] [6] 42 in x 100 ft (1067 mm x 30.5 m)
	CH025A	HP Everyday Matte Polypropylene, 2 Pack[5] 42 in x 100 ft (1067 mm x 30.5 m)
	CG460B	HP Premium Matte Photo Paper (FSC® certified)[5] [6] 42 in x 100 ft (1067 mm x 30.5 m)
	CG460B	HP Premium Matte Photo Paper (FSC® certified)[8] [9] 36 in x 100 ft (914 mm x 30.5 m)
Service and Support	U9ZE2E	HP 3 year Next Business Day plus Defective Media Retention Support
	U9ZE4E	HP 5 year Next Business Day plus Defective Media Retention Support
	U9ZE5PE	HP 1 year Post Warranty, Next Business Day plus Defective Media Retention Support
	H4518E	HP Network Installation Service with Network Setup

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 Original HP inks printheads, and HP large format printing materials, to experience consistent high quality and reliable performance that enable less downtime. These critical components are designed and engineered together as an optimized printing system, and Original HP inks are designed to maximize the life of HP printheads. Protect your HP printer investment by using Original HP inks for full HP warranty protection. For more information, visit hp.com/go/OriginalHPinks.

1. Maximum rate of output for color image 100% color coverage. Printed in Economode, on HP Bright White Inkjet Paper (bond), maximum roll size, with Original HP Vivid Photo Inks.
2. Mechanical printing time with Original HP Vivid Photo Inks.
3. Except self-adhesive vinyls and non-cuttable medias.
4. Based on 4 GB RAM.
5. BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions.
6. Recyclable HP papers can be recycled through commonly available recycling programs, or according to region-specific practices, or can be returned through the HP Large Format Media take-back program. Recycling programs may not exist in your area. See HPLFMedia.com/hp/ecosolutions for details.

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