



# 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<sup>1</sup>, 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.<sup>2</sup>
- 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](http://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/learnaboutsups](http://hp.com/go/learnaboutsups)

<sup>1</sup> Up to 0.6-in (15-mm) thickness.

<sup>2</sup> Card reader functionality enabled through optional third-party solutions.

# Technical specifications

HP DesignJet Z6dr 44-in PostScript® Printer with V-Trimmer	
<b>Print</b>	Maximum print speed <sup>1</sup> 916 ft <sup>2</sup> /hr (85.1 m <sup>2</sup> /hr) on plain media
Color images	Normal: 1.1 min/page <sup>2</sup> on A1/D or up to 310 ft <sup>2</sup> /hr <sup>1</sup> (28.8 m <sup>2</sup> /hr <sup>1</sup> ) on coated media Best: 3.2 min/page <sup>2</sup> on A1/D or up to 108 ft <sup>2</sup> /hr <sup>1</sup> (10 m <sup>2</sup> /hr <sup>1</sup> ) 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 <sup>3</sup> 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)
<b>Media</b>	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)
<b>Applications</b>	Banners, Exhibition and event graphics, Light boxes - film, Maps, Orthophotos, Point of sale display, Posters
<b>Memory</b>	128 GB (virtual) <sup>4</sup> ; 500 GB self-encrypting hard disk
<b>Connectivity</b>	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 GA, HP-GL/2, HP-RTL
<b>Acoustic</b>	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)
<b>Power</b>	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
<b>Certification</b>	Safety USA and Canada (CSA certified); EU (LVD and EN 60950-1 compliant); Russia, Belarus, Kazakhstan (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
<b>HP HD Pro 42-in Scanner</b> (CCD scan technology)	
<b>Scan and copy</b>	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
<b>Media</b>	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)
<b>Memory</b>	Scanner 4 GB memory, 500 GB hard disk
<b>Connectivity</b>	Interfaces (standard) Dual Gigabit Ethernet (1000Base-T), Hi-Speed USB 3.0 certified
<b>Acoustic</b>	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)
<b>Power</b>	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
<b>Certification</b>	Safety USA and Canada (UL certified), EU (LVD and EN 60950-1 compliant), Russia (EAC), Singapore (PSB), China (CCC), Argentina (IRAM), Mexico (NVECE), 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
<b>Other Details</b>	
<b>Dimensions (w x d x h)</b>	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)
<b>Weight</b>	MFP 346 lb (157 kg)
Shipping	445.3 lb (202 kg)
<b>What's in the box</b>	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
<b>Environmental ranges</b>	Operating temperature 41 to 104°F (5 to 40°C) Storage temperature -13 to 131°F (-25 to 55°C) Operating humidity 20 to 80% RH
<b>Warranty</b>	One-year limited hardware warranty

# Ordering information

<b>Product</b>	2QX51A	HP DesignJet HD Pro 44-in MFP
<b>Accessories</b>	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
<b>Original HP printheads</b>	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
<b>Original HP ink cartridges</b>	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
<b>Original HP large format printing materials</b>	Q6581A	HP Universal Instant-dry Satin Photo Paper (FSC® certified) <sup>5</sup> 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) <sup>5</sup> 42 in x 100 ft (1067 mm x 30.5 m)
	CH025A	HP Everyday Matte Polypropylene, 2 Pack 42 in x 100 ft (1067 mm x 30.5 m)
	CG460B	HP Premium Matte Photo Paper (FSC® certified) <sup>5</sup> 42 in x 100 ft (1067 mm x 30.5 m)
	CG460B	HP Premium Matte Photo Paper (FSC® certified) <sup>5</sup> 36 in x 100 ft (914 mm x 30.5 m)
<b>Service and Support</b>	H4518E	HP Network Installation Service for DesignJet High-end and Midrange
	U7UL8E	HP 2 year Next Business Day Onsite HW Support w/Defective Media Retention for DesignJet HDPro MFP
	U7UL9E	HP 3 year Next Business Day Onsite HW Support w/Defective Media Retention for DesignJet HD Pro MFP
	U7UM0E	HP 4 year Next Business Day Onsite HW Support w/Defective Media Retention for DesignJet HDPro MFP
	U7UM1E	HP 5 year Next Business Day Onsite HW Support w/Defective Media Retention for DesignJet HDPro MFP
	U7UM2PE	HP 1 year Post Warranty NDB Onsite HW Support w/Defective Media Retention for DesignJet HDPro MFP
	U7UM3PE	HP 2 year Post Warranty NDB Onsite HW Support w/Defective Media Retention for DesignJet HDPro MFP

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](http://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](http://hp.com/go/OriginalHPInks).

- 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.
- Mechanical printing time with Original HP Vivid Photo Inks.
- Except self-adhesive vinyls and non-cuttable medias.
- Based on 4 GB RAM.
- BMG trademark license code FSC®-C115319, see [fsc.org](http://fsc.org). HP trademark license code FSC®-C017543, see [fsc.org](http://fsc.org). Not all FSC®-certified products are available in all regions.
- 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](http://HPLFMedia.com/hp/ecosolutions) for details.

## Eco Highlights

- ENERGY STAR® certified<sup>1</sup>, EPEAT® Silver registered as environmentally preferable product<sup>2</sup>
- Breakthrough color consistency can help reduce unnecessary reprints
- Printer made from 30% post-consumer recycled plastic; free HP printing supplies recycling<sup>3</sup>
- FSC®-certified papers<sup>4</sup>, range of recyclable HP media with a take-back program<sup>5</sup>

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- Program availability varies. Please check [hp.com/recycle](http://hp.com/recycle) for details.
- BMG trademark license code FSC®-C115319, see [fsc.org](http://fsc.org). HP trademark license code FSC®-C017543, see [fsc.org](http://fsc.org). Not all FSC®-certified products are available in all regions.
- HP Large Format Media take-back program availability varies. Some recyclable HP papers can be recycled through commonly available recycling programs. Recycling programs may not exist in your area. See [HPLFMedia.com/hp/ecosolutions](http://HPLFMedia.com/hp/ecosolutions) for details.

**Please recycle large-format printing hardware and printing supplies.**  
Find out how at our website  
[hp.com/ecosolutions](http://hp.com/ecosolutions)

For more information, reach us at 315.437.5111  
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