HP DesignJet HD Pro MFP

High-impact graphics 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 Z5600 PostScript® Printer.

- 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 Vivid Photo Inks.

- Process large and complex files efficiently with a 320 GB hard drive for printing and 4 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.

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

Technical specifications

HP DesignJet Z5600 PostScript® Printer

Print	Maximum print speed[3]	650 ft²/hr (60 m²/hr)
	Print resolution	Up to 2400 x 1200 optimized dpi
	Margins (top x bottom x left x right)	Roll: 0.2 x 0.2 x 0.2 x 0.2 in (5 x 5 x 5 x 5 mm) (borderless on photo roll media) 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, chromatic red, yellow, matte black, photo black)
	Line accuracy	±0.1%[4]
	Minimum line width	0.0015 in (0.04 mm) (HP-GL/2 addressable)
	Guaranteed minimum line width	0.0031 in (0.08 mm) (ISO/IEC 13660:2001(E))[5]
Media	Handling	Two automatic roll feeds; smart roll-switching; sheet feed; media output bin; automatic cutter[6]
	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		Renderings, Maps, Orthophotos, Graphics design, Office Graphics, Posters, Photos, Banners, Exhibition and event graphics, Light boxes-film, Point of sale/display
Memory	1BA32A	64 GB (virtual)[7], 320 GB hard disk
	1BA32B	64 GB (virtual)[7], 320 GB hard disk (AES-128 encrypted, FIPS140 level 2 certified)
Connectivity	Interfaces (standard)	Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0 certified interface for direct printing from USB flash drive, EIO Jetdirect accessory slot
	Print languages (standard)	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP-GL/2, and HP-RTL
	Printing paths	Printer driver, HP Embedded Web Server, direct printing from USB flash drive, email printing
Acoustic	Sound pressure	42 dB(A) (printing); 32 dB(A) (ready); 22 dB(A) (sleep)
	Sound power	6.0 B(A) (printing); 5.0 B(A) (ready); 3.9 B(A) (sleep)
Power	Consumption	< 120 watts (printing); < 32 watts (ready); 1.5 watts (sleep); 0.1 watts (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/Kazakhstan/Belarus (EAC); Singapore (PSB); China (CCC); Argentina (IRAM); India (BIS)
	Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (KCC)
	Environmental	ENERGY STAR, WEEE, EU RoHS, China RoHS, REACH, EPEAT Bronze

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 to	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 image bridge for thick originals up to 15 mm (0.6 in) thickness.
	Size	Up to 44 in (1118 mm) wide
	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), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (MSIP), Taiwan (BSMI), Russia (EAC)
	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	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 Z5600 PostScript® Printer, printheads, introductory ink cartridges, printer stand and media bin, spindles, quick reference guide, setup poster, start-up software, 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

[3] 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.

[4] ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 73°F (23°C), 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with HP Vivid Photo Inks.

[5] Measured on HP Matte Film.

Ordering information

Product	1BA32A	HP DesignJet HD Pro MFP
	1BA32B	HP DesignJet HD Pro MFP with Encrypted HDD
Accessories	Q6709A	HP DesignJet 44-inch Spindle
	J8025A	HP Jetdirect 640n Print Server
	CN538A	HP DesignJet 3-in Core Adapter
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	F9J95A	HP 745 130-ml Magenta DesignJet Ink Cartridge
	F9J96A	HP 745 130-ml Yellow DesignJet Ink Cartridge
	F9J97A	HP 745 130-ml Cyan DesignJet Ink Cartridge
	F9J98A	HP 745 130-ml Photo Black DesignJet Ink Cartridge
	F9J99A	HP 745 130-ml Matte Black DesignJet Ink Cartridge
	F9K00A	HP 745 130-ml Chromatic Red DesignJet Ink Cartridge
	F9K01A	HP 745 300-ml Magenta DesignJet Ink Cartridge
	F9K02A	HP 745 300-ml Yellow DesignJet Ink Cartridge
	F9K03A	HP 745 300-ml Cyan DesignJet Ink Cartridge
	F9K04A	HP 745 300-ml Photo Black DesignJet Ink Cartridge
	F9K05A	HP 745 300-ml Matte Black DesignJet Ink Cartridge
	F9K06A	HP 745 300-ml Chromatic Red DesignJet Ink Cartridge
Original HP large format printing materials	Q1398A	HP Universal Bond Paper (FSC® certified)[8] [9] 42 in x 150 ft (1067 mm x 45.7 m)
	Q1956A	HP Heavyweight Coated Paper (PEFCTM certified)[8] [9] 42 in x 225 ft (1067 mm x 68.5 m)
	C0F20A	HP Everyday Adhesive Matte Polypropylene, 2 Pack 42 in x 75 ft (1067 mm x 22.9 m)
	Q8755A	HP Universal Instant-dry Satin Photo Paper (FSC® certified)[8] [10] 42 in x 200 ft (1067 mm x 61 m)
	J3E86A	HP Professional Matte Canvas 44 in x 50 ft (1118 mm x 15.2 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	U9CS6E	HP 3 year Next Business Day Onsite Support with Defective Media Retention
	U9CS7E	HP 4 year Next Business Day Onsite Support with Defective Media Retention
	U9CS8E	HP 5 year Next Business Day Onsite Support with Defective Media Retention
	U9CS9PE	HP 1 year Post Warranty Next Business Day Onsite Support with Defective Media Retention
	U9CT0PE	HP 2 year Post Warranty Next Business Day Onsite Support with Defective Media Retention
	H4518E	HP 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 HP Vivid 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.[12] For more information, visit hp.com/go/OriginalHPinks.

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

[6] Cuts all media except canvas and banners.

[7] Based on 640 MB RAM

[8] BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. BMG trademark license code PEFC™/29-31-26T, see pefc.org. HP trademark license code PEFC™/29-31-T98, see pefc.org. Not all FSC®- or PEFC™-certified products are available in all regions.

[9] Can be recycled through commonly available recycling programs.

[10] 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.

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

[12] 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.

Eco Highlights

- Breakthrough color consistency can help reduce unnecessary reprints
- Free, convenient HP ink cartridge and printhead recycling[1]
- FSC®-certified papers,[2] range of recyclable HP media with a take-back program[3]
- ENERGY STAR® qualified. Registered EPEAT Bronze[4] for environmentally preferable product

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

[2] 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.

[3] 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 for details.

[4] EPEAT registered where applicable/supported. See epeat.net for registration status by country.

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