



# 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<sup>1</sup>, 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.

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

For more information, please visit  
[hp.com/go/DesignJetHDProMFP](http://hp.com/go/DesignJetHDProMFP)

## 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<sup>2</sup>

<sup>2</sup> Program availability varies. Please check [hp.com/recycle](http://hp.com/recycle) for details.

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

# Technical specifications

HP DesignJet Z5600 PostScript® Printer	
<b>Print</b>	Maximum print speed <sup>3</sup> 650 ft <sup>2</sup> /hr (60 m <sup>2</sup> /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 mm) (borderless on photo roll media) Sheet: 0.2 x 0.67 x 0.2 x 0.2 in (5 x 17 x 5 mm) Ink types Pigment-based Ink cartridges 6 (cyan, magenta, chromatic red, yellow, matte black, photo black) Line accuracy ±0.1% <sup>4</sup> 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)) <sup>5</sup>
<b>Media</b>	Handling Two automatic roll feeds; smart roll-switching; sheet feed; media output bin; automatic cutter <sup>6</sup> 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>	Line drawings, Renderings, Maps, Orthophotos, Graphics design, Office Graphics, Posters, Photos, Digital fine art, Banners, Exhibition and event graphics, Light boxes-film, Point of sale/display
<b>Memory</b>	1BA32A 64 GB (virtual) <sup>7</sup> , 320 GB hard disk 1BA32B 64 GB (virtual) <sup>7</sup> , 320 GB hard disk (AES-128 encrypted, FIPS140 level 2 certified)
<b>Connectivity</b>	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 PCL 3 GUI, HP-GL/2, and HP-RTL Printing paths Printer driver, HP Embedded Web Server, direct printing from USB flash drive, email printing, HP Click printing software
<b>Acoustic</b>	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)
<b>Power</b>	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
<b>Certification</b>	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 DesignJet HD Pro Scanner (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 to 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. Size Up to 44 in (1118 mm) wide 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 to 240 VAC (±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 (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	
<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 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
<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>	1BA32A HP DesignJet HD Pro MFP 1BA32B HP DesignJet HD Pro MFP with Encrypted HDD
<b>Accessories</b>	Q6709A HP DesignJet 44-inch Spindle J8025A HP Jetdirect 640n Print Server CN538A HP DesignJet 3-in Core Adapter
<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>	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
<b>Original HP large format printing materials</b>	Q1398A HP Universal Bond Paper (FSC® certified) <sup>8</sup> 42 in x 150 ft (1067 mm x 45.7 m) Q1956A HP Heavyweight Coated Paper (PEFCM certified) <sup>9</sup> 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) <sup>8</sup> 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) <sup>8</sup> 36 in x 100 ft (914 mm x 30.5 m)
<b>Service and Support</b>	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](http://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.<sup>12</sup> For more information, visit [hp.com/go/OriginalHPInks](http://hp.com/go/OriginalHPInks).

For the entire HP Large Format Printing Materials portfolio, please see [HPLFMedia.com](http://HPLFMedia.com).

<sup>3</sup> Maximum rate of output for color image 100% color coverage (Banded file). Printed in Fast mode with Economode on, on HP Bright White Inkjet Paper (Bond), maximum roll size, with HP Vivid Photo Inks.

<sup>4</sup> ±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

<sup>5</sup> Measured on HP Matte Film.

<sup>6</sup> Cuts all media except canvas and banners.

<sup>7</sup> Based on 640 MB RAM

<sup>8</sup> BMG trademark license code FSC®-C115319, see [fsc.org](http://fsc.org). HP trademark license code FSC®-C017543, see [fsc.org](http://fsc.org). BMG trademark license code PEFC™/29-31-261, see [pefc.org](http://pefc.org). HP trademark license code PEFC™/29-31-198, see [pefc.org](http://pefc.org). Not all FSC®- or PEFC™-certified products are available in all regions.

<sup>9</sup> Can be recycled through commonly available recycling programs.

<sup>10</sup> 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.

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

<sup>12</sup> 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](http://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](http://www.epeat.net) for registration status by country.

