

HP DesignJet Z5600 PostScript® Printer



Quick and efficient multi-roll, 44-inch
high-impact graphics printing



VIVID

Eye-catching, water/fade-resistant images³

- Impressive—HP chromatic red ink enhances the color gamut—ideal for high-impact POP signs and posters.
- Versatile—with pigment-based photo inks for GIS, durable maps, technical drawings and photos, canvas.
- Reliable color, line accuracy—HP Professional PANTONE® color emulation, with Adobe® PostScript®/PDF, HP-GL/2.
- Durable—water/scratch/fade-resistant and archivable prints last up to 200 years with HP Vivid Photo Inks.³

EXPRESS PRINTING

Fast one-click¹, and multi-roll

- Boost operator media loading efficiency up to 75%⁴ with automatic multi-roll printing.
- Print up to 39% faster⁵—save time on technical drawings with quick-drying HP Vivid Photo Inks.
- Easy—one-click printing¹, color touchscreen, print preview, direct USB flash drive, email printing.
- Flexible—supports color workflows with genuine Adobe® PostScript® and broad choice of RIPs.

SAVINGS

Cut costs with HP 6-ink printing system²

- Up to 20% ink consumption savings using HP's optimized 6-ink printing system.²
- No maintenance cartridge—auto drop detection and nozzle switching reduce cleaning, maintain image quality.
- Less operator intervention and more cost-effective printing with 300-ml HP ink cartridges.
- Optimize media usage by auto-arranging multiple images on a roll with HP DesignJet Click printing software.

For more information, please visit
<http://www.hp.com/go/designjetZ5600>



HP DesignJet
25 years reinventing design

¹ Once image is selected, one-click printing when printing the entire file without any modifications to the print settings. Applicable to PDF, JPEG, TIFF, and HP-GL/2 files.

² Reduced ink consumption based on comparing the 6-ink HP DesignJet Z5600 PostScript® Printer to the 8-ink Canon imagePROGRAF iPF8400S printer when used in a small copy shop environment as of March, 2016.

³ Print permanence estimates by HP Image Permanence Lab based on HP Vivid Photo Inks with the HP DesignJet Z6200 Photo Production Printer. Water resistance performance varies based on printer and print profile. Water resistance testing by HP Image Permanence Lab on a range of HP media and follows ISO 18935 method. Scratch-resistance based on internal HP testing using the Taber and coin test method on a range of HP media. Display permanence rating for interior displays/away from direct sunlight by HP Image Permanence Lab, and by Wilhelm Imaging Research, Inc. on a range of HP media. For more information, see <http://www.HPLFMedia.com/printpermanence>

⁴ Based on March, 2016 internal HP competitive research comparing single-roll printers with dual-roll printing with smart switching on the HP DesignJet Z5600 PostScript® Printer on jobs that require switching between two types of media.

⁵ Compared to the Canon imagePROGRAF iPF8400SE printer on coated paper, in fast mode.

Technical specifications

Print	
Maximum print speed	60 m ² /hr ¹
Print Resolution	Up to 2400 x 1200 optimised dpi
Margins	Roll: 5 x 5 x 5 mm (borderless on photo roll media); Sheet: 5 x 17 x 5 x 5 mm
Technology	HP Thermal Inkjet
Ink Types	Pigment-based
Ink colours	6 (cyan, magenta, chromatic red, yellow, matte black, photo black)
Ink drop	4 pl (pK, C), 6 pl (M, Y, mK, R)
Printheads	3 (photo black and cyan, magenta and yellow, matte black and chromatic red)
Line accuracy	±0.1% ²
Minimum line width	0.04 mm (HP-GL/2 addressable)
Guaranteed minimum line width	0.08 mm (ISO/IEC 13660:2001(E) measured on HP Matte Film)
Media	
Handling	Two automatic roll feeds; Smart roll-switching; Sheet feed; Media output bin; Automatic cutter (Cuts all HP Z-series printer qualified media except canvas. For qualified media, see http://www.hp.com/go/mediasolutionslocator .)
Types	Photographic, fine art printing material, self-adhesive, banner and sign, bond and coated, backlit
Weight	80 to 495 g/m ²
Size	Rolls: 279 to 1118-mm Sheets: 210 x 279 to 1118 x 1676 mm Standard sheets: A4; A3; A2; A1; A0
Applications	
	Line drawings; Renderings; Maps; Orthophotos; Point of sale/display; Graphics design; Office Graphics; Posters; Photos; Digital fine art; Banners; Exhibition and event graphics; Light boxes - film
Memory	
	RAM: 64 GB (virtual) ³ Hard disk drive: 320 GB
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, and HP-RTL
Printing paths	Printer driver, HP Embedded Web Server, direct printing from USB flash drive, email printing, HP DesignJet Click printing software
Drivers (included)	HP-GL/2, HP-PCL3 GUI drivers for Windows and Mac OS X; PostScript drivers for Windows and Mac OS X
Dimensions (w x d x h)	
Printer with stand	1770 x 775 x 1050 mm
Shipping	1930 x 770 x 720 mm
Weight	
Printer with stand	86.5 kg
Shipping	119.5 kg
What's in the box	
	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
Software available	
	Printer drivers, HP DesignJet Click, HP DesignJet Utility including HP Color Center, HP DesignJet Excel Accounting Tool
Environmental ranges	
Operating temperature	5 to 40°C
Storage temperature	-25 to 55°C
Operating humidity	20 to 80% RH
Acoustics	
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 (PSEB); 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
Warranty	
	One-year commercial hardware warranty

¹ Maximum rate of output for colour image 100% colour 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, 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with HP Vivid Photo Inks

Ordering information

Product

TOB51A HP DesignJet Z5600 PostScript Printer

Accessories

CN538A HP DesignJet 3-in Core Adapter
G6H50B HP SD Pro 1118-mm Scanner
G6H51B HP HD Pro 1067-mm Scanner
J8025A HP Jetdirect 640n Print Server
Q6709A HP DesignJet 1118mm Roll Feed Spindle

Original HP Printheads

F9J86A HP 744 Photo Black/Cyan DesignJet Printhead
F9J88A HP 744 Matte Black/Chromatic Red DesignJet Printhead
F9J87A HP 744 Magenta/Yellow DesignJet Printhead

Original HP ink cartridges

F9K00A HP 745 130-ml DesignJet Chromatic Red Ink Cartridge
F9J98A HP 745 130-ml DesignJet Photo Black Ink Cartridge
F9J99A HP 745 130-ml DesignJet Matte Black Ink Cartridge
F9J97A HP 745 130-ml DesignJet Cyan Ink Cartridge
F9J95A HP 745 130-ml DesignJet Magenta Ink Cartridge
F9J96A HP 745 130-ml DesignJet Yellow Ink Cartridge
F9K06A HP 745 300-ml DesignJet Chromatic Red Ink Cartridge
F9K04A HP 745 300-ml DesignJet Photo Black Ink Cartridge
F9K05A HP 745 300-ml DesignJet Matte Black Ink Cartridge
F9K03A HP 745 300-ml DesignJet Cyan Ink Cartridge
F9K01A HP 745 300-ml DesignJet Magenta Ink Cartridge
F9K02A HP 745 300-ml DesignJet Yellow Ink Cartridge

The HP DesignJet Z5600 PostScript[®] Printer is not designed to use continuous ink systems. The HP DesignJet Z5600 PostScript[®] Printer is designed for ink cartridges to be used until they are empty. Refilling cartridges prior to depletion might cause the printer to fail, and voids the HP printer and HP ink cartridge warranty.

Original HP large format printing materials

Q1956A HP Heavyweight Coated Paper-1067 mm x 67.5 m (42 in x 225 ft)
Q8755A HP Universal Instant-dry Satin Photo Paper-1067 mm x 61 m (42 in x 200 ft)
Q1398A HP Universal Bond Paper-1067 mm x 45.7 m (42 in x 150 ft)
C0F20A HP 2-pack Everyday Adhesive Matte Polypropylene-1067 mm x 22.9 m (42 in x 75 ft)
CG460B HP Premium Matte Photo Paper-914 mm x 30.5 m (36 in x 100 ft)

Service and Support

U9CS5E HP 2 year Next Business Day Onsite Hardware Support with Defective Media Retention for DesignJet Z5600-44
U9CS6E HP 3 year Next Business Day Onsite Hardware Support with Defective Media Retention for DesignJet Z5600-44
U9CS7E HP 4 year Next Business Day Onsite Hardware Support with Defective Media Retention for DesignJet Z5600-44
U9CS8E HP 5 year Next Business Day Onsite Hardware Support with Defective Media Retention for DesignJet Z5600-44
U9CS9PE HP 1 year Post Warranty Next Business Day Onsite Hardware Support with Defective Media Retention for DesignJet Z5600-44
U9CTOPE HP 2 year Post Warranty Next Business Day Onsite Hardware Support with Defective Media Retention for DesignJet Z5600-44
H4518E HP Network Installation Service for high-end DesignJet series
U1XV4E HP Preventive Maintenance for HP DesignJet Hardware Support

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. For more information, visit hp.com/go/OriginalHPInks.

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

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.

Eco Highlights

Breakthrough color consistency can help reduce unnecessary reprints
Free, convenient HP ink cartridge and printhead recycling¹
FSC[®]-certified papers², range of recyclable HP media with a take-back program³
ENERGY STAR[®] qualified. Registered EPEAT Bronze for environmentally preferable product

¹ Program availability varies. Please check <http://www.hp.com/recycle> for details.

² BMG trademark license code FSC[®]-C115319, see <http://www.fsc.org>. HP trademark license code FSC[®]-C017543, see <http://www.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 <http://www.HPLFMedia.com/hp/ecosolutions> for details.

