# HP DesignJet Z5600 PostScript Printer

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



### VIVID
#### Eye-catching, water/fade-resistant images[3]

- 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-click[1], and multi-roll

- Boost operator media loading efficiency up to 75%[4] with automatic multi-roll printing.

- Print up to 39% faster[5]—save time on technical drawings with quick-drying HP Vivid Photo Inks.

- Easy—one-click printing[1], 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 system[2]

- 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 m²/hr[1] |
| Print Resolution | Up to 2400 x 1200 optimised dpi |
| Margins | Roll: 5 x 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 500 g/m² |
| Size | Rolls: 279 to 1118-mm<br>Sheets: 210 x 279 to 1118 x 1676 mm<br>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]<br>Hard disk drive: Standard, 320 GB |

## 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 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-PCL3GUI drivers for Windows and Mac OS X; PostScript drivers for Windows, Linux, and Mac OS X |

## Dimensions (w x d x h)

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|---|---|
| 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, HP Printer Utility including HP Color Center, HP Designjet Excel Accounting Tool |

## Environmental ranges

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|---|---|
| Operating temperature | 5 to 40ºC |
| Storage temperature | -25 to 55ºC |
| Operating humidity | 20 to 80% RH |

## Acoustics

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|---|---|
| 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

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|---|---|
| Consumption | < 120 watts (printing); < 32 watts (ready); 1.5 watts (sleep); 0.1 watts (off) |
| Requirements | Input voltage (auto ranging) 100 to 240 VAC (+/- 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 |
| 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 23ºC, 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with HP Vivid Photo Inks
[3] Based on 640 MB RAM

# Ordering information

## Product

| | |
|---|---|
| T0B51A | HP DesignJet Z5600 PostScript Printer |

## Accessories

| | |
|---|---|
| CN538A | HP Designjet 3-in Core Adapter |
| G6H50B | HP SD Pro 44-in Scanner |
| G6H51B | HP HD Pro 42-in 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
**U9CT0PE** 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 recycling [1]
FSC®-certified papers[2], range of recyclable HP media with a take-back program[3]
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.

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