

# HP DesignJet Z6 PostScript Printer series



High-definition prints, fast and secure. More quality with fewer inks.



## PRECISE—Clearly distinguish subtle details

- Read details more clearly and see high-contrast color with new high-definition HP printheads.
- No need for light inks with HP's dual drop technology.
- Get smooth gradients, even for challenging color combinations, with HP Pixel Control.
- Work with water- and fade-resistant prints, indoors and out, with HP Vivid Photo Inks.<sup>2</sup>

## FAST—Work without delays

- Handle even the most complex files with powerful processing architecture and the Adobe PDF Print Engine.<sup>3</sup>
- Cut maps to different sizes in fewer steps with the first printer including an integrated vertical trimmer.<sup>1</sup>
- Print up to 20% faster<sup>4</sup> with 2400 nozzle-per-inch, high-definition HP printheads.
- Spend less time on media changes and adjustments with dual roll support and automatic roll switching.<sup>1</sup>

## SECURE—Protect your work and your information

- Protect printers/data from unauthorized access with HP Secure Boot, whitelisting, and encrypted hard disk.
- Protect documents, preserve confidentiality with authentication solutions like PIN printing, card readers.<sup>5</sup>
- Secure your printers with HP JetAdvantage Security Manager; manage your fleet remotely with HP Web Jetadmin.

For more information, please visit  
<http://www.hp.com/go/designjetz6>

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: <http://www.hp.com/go/learnaboutsupplies>

<sup>1</sup> Vertical trimmer and dual rolls included with the HP DesignJet Z6dr 44-in PostScript® Printer with V-Trimmer only.

<sup>2</sup> Performance may vary based on writing system differences. Print permanence estimates by HP Image Permanence Lab based on the same formulation of HP Vivid Photo Inks used with the HP DesignJet Z6200 Photo Production Printer, using 6 inks. 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. Display permanence rating for interior displays/away from direct sunlight by HP Image Permanence Lab on a range of HP media. For more information, see <http://www.HPLFMedia.com/printpermanence>.

<sup>3</sup> The Adobe PDF Print Engine (APPE) is Adobe's high speed, high fidelity print platform. Version 4 extends APPE's leading edge for print reproduction with new performance efficiencies and breakthrough rendering features. APPE 4 enables printers to increase workflow efficiency and capitalize on the profit potential of innovations in inkjet print technology. To learn more, visit <http://www.adobe.com/products/pdfprintengine>.

<sup>4</sup> Based on internal HP testing. Up to 20% faster printing compared to the HP DesignJet Z2600 PostScript® Printer and HP DesignJet Z5600 PostScript® Printer. May vary depending on print mode and media type.

<sup>5</sup> Card reader functionality enabled through optional third-party solutions.

## Technical specifications

|  |  |
|--|--|
| <b>Print</b>                           |  |
| Max print speed                        | 80.5 m <sup>2</sup> /hr <sup>1</sup> (866 ft <sup>2</sup> /hr <sup>1</sup> ) on plain media  |
| Color images                           | Normal: 18.8 m <sup>2</sup> /hr <sup>1</sup> (202 ft <sup>2</sup> /hr <sup>1</sup> ) on coated media<br>Best: 9.7 m <sup>2</sup> /hr <sup>1</sup> (104 ft <sup>2</sup> /hr <sup>1</sup> ) on glossy media  |
| Print resolution                       | Up to 2400 x 1200 optimized dpi  |
| Technology                             | HP Thermal Inkjet  |
| Margins                                | Roll: 5 x 5 x 5 mm (borderless on selected media <sup>3</sup> , or on all media with V-Trimmer <sup>4</sup> ) (0.2 x 0.2 x 0.2 in (borderless on selected media <sup>3</sup> , or on all media with V-Trimmer <sup>4</sup> ))<br>Sheet: 5 x 17 x 5 x 5 mm (0.2 x 0.67 x 0.2 x 0.2 in)                                |
| 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)  |
| Printheads                             | 3 universal printheads (valid for all colors)  |
| Line accuracy                          | ±0.1% <sup>5</sup>   |
| Minimum line width                     | 0.02 mm (PDF addressable @ 1200 dpi) (0.0008 in (PDF addressable @ 1200 dpi))  |
| Guaranteed minimum line width          | 0.08 mm (ISO/IEC 13660:2001(E)) <sup>6</sup> (0.0031 in (ISO/IEC 13660:2001(E)) <sup>6</sup> )   |
| <b>Image quality</b>                   |  |
| Short-term color stability             | < 1 dE2000 in less than 5 minutes <sup>7</sup>   |
| Long-term print-to-print repeatability | Average < 0.5 dE2000, 95% of colors < 1.4 dE2000 <sup>7</sup>  |
| Max optical density                    | 4 L* min/2.5 D <sup>7</sup>  |
| <b>Media</b>                           |  |
| Handling                               | Single-roll: Roll feed, top sheet feed, media output bin, automatic horizontal cutter; Dual-roll: 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 canvases)         |
| Sheet size                             | 24-in: 210 x 279 to 610 x 1676 mm; 44-in: 210 x 279 to 1118 x 1676 mm;   |
| Roll size                              | 24-in: 279 to 610-mm; 44-in: 279 to 1118-mm; (24-in: 11 to 24-in; 44-in: 11 to 44-in)  |
| Standard sheets                        | 24-in: A4, A3, A2, A1; 44-in: A4, A3, A2, A1, A0;  |
| Weight                                 | 80 to 500 g/m <sup>2</sup>   |
| Thickness                              | Up to 0.8 mm (Up to 31.5 mil)  |
| <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>8</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 G4, HP-GL/2, HP-RTL  |
| Mobile printing features               | Direct print from mobile apps on iOS, Android and Chrome OS; email printing with HP ePrint and HP Smart app for iOS and Android.   |
| Drivers                                | Raster and PostScript drivers for Windows and macOS; PDF driver for Windows  |
| <b>Security features</b>               | HP Secure Boot, Whitelisting, Role Based Access Control, SNMPv3, HTTPS, Secure-IP, IPsec/Firewall, Certificates management, 802.1X, TLS 1.0/1.1/1.2, HP Web Jetadmin compatible, HP JetAdvantage Security Manager compatible, Secure Disk erase (DoD 5220.22-M), Secure File erase, self-encrypted HDD, PIN printing |
| <b>Dimensions (w x d x h)</b>          |  |
| Printer                                | 24-in: 1293 x 695 x 998 mm; 44-in: 1802 x 695 x 998 mm   |
| Shipping                               | 24-in: 1440 x 766 x 718 mm; 44-in: 1950 x 766 x 718 mm   |
| <b>Weight</b>                          |  |
| Printer                                | 66-96 kg   |
| Shipping                               | 97-132 kg  |
| <b>What's in the box</b>               |  |
|  | HP DesignJet Z6 PostScript Printer, printheads, introductory ink cartridges, printer stand and media bin, spindle, 3-in core adapter <sup>9</sup> , quick reference guide, setup poster, power cord  |
| <b>Software included</b>               |  |
|  | Printer drivers, HP Click, HP Web Jetadmin, HP JetAdvantage Security Manager, HP DesignJet Utility including HP Color Center, HP Partner Link Pay-per-use, HP MPS  |
| <b>Environmental ranges</b>            |  |
| Operating temperature                  | 5 to 40°C  |
| Operating humidity                     | 20 to 80% RH   |
| <b>Acoustics</b>                       |  |
| Sound pressure                         | 42-45 dB(A) (operating); 33 dB(A) (idle); <16 dB(A) (sleep)  |
| Sound power                            | 6.0-6.3 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>Warranty</b>                        | One-year limited hardware warranty   |

## Ordering information

### Product

|        |   |
|--------|---|
| T8W15A | HP DesignJet Z6 24-in PostScript Printer                  |
| T8W16A | HP DesignJet Z6 44-in PostScript Printer                  |
| T8W18A | HP DesignJet Z6dr 44-in PostScript Printer with V-Trimmer |

### Accessories

|         |                                   |
|---------|-----------------------------------|
| Q6700A  | HP DesignJet 24-in Spindle        |
| N7P47AA | HP USB 3.0 to Gigabit LAN Adapter |
| CN538A  | HP DesignJet 3-in Core Adapter    |
| Q6709A  | HP DesignJet 44-in Spindle        |
| 1QF38A  | HP DesignJet 44-in Take-up Reel   |
| G6H51B  | HP HD Pro 42-in Scanner           |
| G6H50B  | HP SD Pro 44-in Scanner           |

### Original HP printing supplies

|        |   |
|--------|---|
| P2V25A | HP 746 DesignJet Printhead                          |
| P2V78A | HP 746 300-ml Magenta DesignJet Ink Cartridge       |
| P2V79A | HP 746 300-ml Yellow DesignJet Ink Cartridge        |
| P2V80A | HP 746 300-ml Cyan DesignJet Ink Cartridge          |
| P2V81A | HP 746 300-ml Chromatic Red DesignJet Ink Cartridge |
| P2V82A | HP 746 300-ml Photo Black DesignJet Ink Cartridge   |
| P2V83A | HP 746 300-ml Matte Black DesignJet Ink Cartridge   |

### Original HP large format printing materials

|        |  |
|--------|--|
| Q6581A | HP Universal Instant-dry Satin Photo Paper (FSC® certified) <sup>8</sup> (Recyclable) <sup>9</sup> 1067 mm x 30.5 m (42 in x 100 ft) |
| E4J57A | HP Artist Matte Canvas 1118 mm x 15.2 m (44 in x 50 ft)  |
| C6569C | HP Heavyweight Coated Paper (FSC® certified) <sup>8</sup> (Recyclable) <sup>9</sup> 1067 mm x 30.5 m (42 in x 100 ft)                |
| CH025A | HP Everyday Matte Polypropylene, 2 Pack (Recyclable) <sup>9</sup> 1067 mm x 30.5 m (42 in x 100 ft)                                  |
| CG460B | HP Premium Matte Photo Paper (FSC® certified) <sup>8</sup> (Recyclable) <sup>9</sup> 914 mm x 30.5 m (36 in x 100 ft)                |

### Service and support

|         |  |
|---------|--|
| U7VB9E  | HP Installation Service Moderate Level   |
| U9WQ0E  | HP 3 year Next Business Day with Defective Media Retention Support for HP DesignJet Z6 24in                  |
| U9YZ2E  | HP 3 year Next Business Day with Defective Media Retention Support for HP DesignJet Z6 44in                  |
| U9ZE2E  | HP 3 year Next Business Day with Defective Media Retention Support for HP DesignJet Z6dr 44in                |
| U9YX8E  | HP 5 year Next Business Day with Defective Media Retention Support for HP DesignJet Z6 24in                  |
| U9YZ3E  | HP 5 year Next Business Day with Defective Media Retention Support for HP DesignJet Z6 44in                  |
| U9ZE4E  | HP 5 year Next Business Day with Defective Media Retention Support for HP DesignJet Z6dr 44in                |
| U9YX9PE | HP 1 year Post Warranty, Next Business Day with Defective Media Retention Support for HP DesignJet Z6 24in   |
| U9YZ4PE | HP 1 year Post Warranty, Next Business Day with Defective Media Retention Support for HP DesignJet Z6 44in   |
| U9ZE5PE | HP 1 year Post Warranty, Next Business Day with Defective Media Retention Support for HP DesignJet Z6dr 44in |

**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).

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

### 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>

**Please recycle large-format printing hardware and printing supplies. Find out how at our website**

[hp.com/ecosolutions](http://hp.com/ecosolutions)

<sup>1</sup> ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency.

<sup>2</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.

<sup>3</sup> Program availability varies. Please check <http://www.hp.com/recycle> for details.

<sup>4</sup> 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.

<sup>5</sup> 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.

<sup>1</sup> 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. Measured on a 44-in printer.

<sup>2</sup> Mechanical printing time with Original HP Vivid Photo Inks. Measured on a 44-in printer.

<sup>3</sup> Borderless printing available on photo, polypropylene, and backlit roll media.

<sup>4</sup> Except self-adhesive vinyls and non-cuttable medias.

<sup>5</sup> ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with HP Vivid Photo Inks.

<sup>6</sup> Measured on HP Matte Film.

<sup>7</sup> With HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.

<sup>8</sup> Based on 4 GB RAM.

<sup>9</sup> Not included in the box for 24-in models.

<sup>10</sup> 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.

<sup>11</sup> 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 <http://www.HPLFMedia.com/hp/ecosolutions> for details.

