# 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.[1]

### FAST—Work without delays

- Handle even the most complex files with powerful processing architecture and the Adobe PDF Print Engine.[2]
- Cut maps to different sizes in fewer steps with the first printer including an integrated vertical trimmer.[3]
- Print up to 20% faster[4] 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.[3]

### 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.[5]
- 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. Contains technology that may prevent cartridges with non-HP chips or circuitry from working now or in the future. More at: http://www.hp.com/learn/ds

[1] 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
[2] 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 https://www.adobe.com/products/pdfprintengine.html
[3] Vertical trimmer and dual rolls included with the HP DesignJet Z6dr 44-in PostScript® Printer with V-Trimmer only.
[4] 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.
[5] Card reader functionality enabled through optional third-party solutions.

# Technical specifications

## Print

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|---|---|
| Print speed | 24-in:<br>Fast: 66.9 m²/hr on plain media<br>Normal: 15.2 m²/hr on coated media<br>Best: 7.9 m²/hr on glossy media<br>44-in:<br>Fast: 80.5 m²/hr on plain media<br>Normal: 18.8 m²/hr on coated media<br>Best: 9.7 m²/hr on glossy media[1] |
| Print resolution | Up to 2400 x 1200 optimized dpi |
| Technology | HP Thermal Inkjet |
| Margins | Roll: 5 x 5 x 5 x 5 mm (borderless on selected media[3], or on all media with V-Trimmer[4])<br>Sheet: 5 x 17 x 5 x 5 mm |
| Ink types | Pigment-based |
| 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) |
| Printhead nozzles | 2112 per color; 12,672 in total |
| Line accuracy | ±0.1%[5] |
| Minimum line width | 0.02 mm (PDF addressable @ 1200 dpi) |
| Short-term color stability | < 1 dE2000 in less than 5 minutes[7] |
| Long-term print-to-print repeatability | Average < 0.5 dE2000, 95% of colors < 1.4 dE2000[7] |
| Max optical density | 4 L* min/2.5 D[7] |

## Media

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|---|---|
| Handling | Single-roll: Roll feed, rear sheet feed, media output bin, automatic horizontal cutter<br>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 canvas) |
| Roll size | 24-in: 279 to 610-mm<br>44-in: 279 to 1118-mm |
| Maximum roll diameter | 135 mm |
| Sheet size | 24-in: 210 x 279 to 610 x 1676 mm<br>44-in: 210 x 279 to 1118 x 1676 mm |
| Standard sheets | 24-in: A4, A3, A2, A1<br>44-in: A4, A3, A2, A1, A0 |
| Grammage | 80 to 500 g/m² |
| Thickness | Up to 0.8 mm |
| Applications | Banners; Exhibition and event graphics; Light boxes - film; Maps; Orthophotos; Point of sale/display; Posters |
| Memory | 128 GB (virtual)[8] |
| Hard disk | 500 GB self-encrypting |

## Connectivity

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| Interfaces | Gigabit Ethernet (1000Base-T) (802.3, 802.3u, 802.3ab); Hi-Speed USB 2.0 certified interface for direct printing from USB flash drive |
| Native print languages | Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP-GL/2, HP-RTL |
| Printing paths | Apple AirPrint, direct printing from USB flash drive, email printing, HP Click, HP driver for macOS, HP driver for Windows, HP driver for Linux, printing support for Chrome OS, HP Print Service Plugin for Android, HP Smart app for iOS and Android, HP SmartStream |
| Drivers | Raster and PostScript drivers for Windows and macOS<br>PDF driver for Windows 8 and above |
| Security features | HP Secure Boot, Whitelisting, Role Based Access Control, SNMPv3, HTTPS, Secure-IPP, 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 |

## Dimensions (W x D x H)

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|---|---|
| Printer | 24-in: 1293 x 695 x 998 mm<br>44-in: 1802 x 695 x 998 mm |
| Shipping | 24-in: 1440 x 766 x 718 mm<br>44-in: 1950 x 766 x 718 mm |

## Weight

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|---|---|
| Printer | 66-96 kg |
| Shipping | 97-132 kg |
| What's in the box | HP DesignJet Z6 PostScript Printer, printheads, introductory ink cartridges, printer stand and media bin, spindle, 3-in core adapter[9], quick reference guide, setup poster, power cord |
| HP Software and solutions | HP Click printing software, HP PrintOS, HP Web Jetadmin, HP DesignJet Utility including HP Color Center, HP Partner Link, HP JetAdvantage Security Manager (optional), HP SmartStream (optional), HP SmartTracker (optional) |

## Environmental ranges

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

## Acoustics

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|---|---|
| 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) |

## Power

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|---|---|
| Consumption | <100 W (printing); <32 W (ready); <6.5 W (sleep); 0.1 W (off) |
| Requirements | Input voltage (auto ranging): 100–240 V (±10%), 50/60 Hz (±3 Hz), 2 A max |

## Certification

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|---|---|
| Safety | USA and Canada (CSA certified); EU (LVD and EN 60950-1 compliant); Russia, Belarus, Khazakstan (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 |
| Warranty | One-year limited hardware warranty |

# Ordering information

## Product

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|---|---|
| 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

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|---|---|
| 1QF38A | HP DesignJet 44-in Take-up Reel |
| 5EK00A | HP HD Pro 2 42-in Scanner |
| 5EK01A | HP SD Pro 2 44-in Scanner |
| 8SW00A | HP SmartStream USB Preflight Manager |
| 8SW00AAE | HP SmartStream Preflight Manager |
| 8SW01A | HP SmartStream Print Controller USB for HP DesignJet Printers |
| 8SW01AAE | HP SmartStream Print Controller for HP DesignJet Printers |
| 8SW11A | HP SmartTracker USB for DesignJet |
| 8SW11AAE | HP SmartTracker for DesignJet |
| CN538A | HP DesignJet 3-in Core Adapter |
| CQ783A | HP DesignJet 24-in Spindle |
| Q6709A | HP DesignJet 44-in Spindle |

## Original HP printing supplies

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|---|---|
| 3WX35A | HP 746B 300-ml Photo Black DesignJet Ink Cartridge |
| 3WX36A | HP 746B 300-ml Cyan DesignJet Ink Cartridge |
| 3WX37A | HP 746B 300-ml Magenta DesignJet Ink Cartridge |
| 3WX38A | HP 746B 300-ml Yellow DesignJet Ink Cartridge |
| P2V25A | HP 746 DesignJet Printhead |
| P2V81A | HP 746 300-ml Chromatic Red DesignJet Ink Cartridge |
| P2V83A | HP 746 300-ml Matte Black DesignJet Ink Cartridge |

Use Original HP inks and 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.

## Original HP large format printing materials

Q6581A HP Universal Instant-dry Satin Photo Paper (FSC® certified)[10] (Recyclable)[11] 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)[10] (Recyclable)[11] 1067 mm x 30.5 m (42 in x 100 ft)

CH025A HP Everyday Matte Polypropylene, 2 Pack (Recyclable)[11] 1067 mm x 30.5 m (42 in x 100 ft)

CG460B HP Premium Matte Photo Paper (FSC® certified)[10] (Recyclable)[11] 914 mm x 30.5 m (36 in x 100 ft)

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

## 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

U9YZ1E 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 Support Services offer installation and extended support services (e.g. 2, 3, 4, and 5 years). For more information, please visit http://www.hp.com/go/cpc

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[1] Maximum rate of output for color image 100% color coverage. Printed on maximum roll size, with Original HP Vivid Photo Inks.
[2] Mechanical printing time with Original HP Vivid Photo Inks. Measured on a 44-in printer.
[3] Borderless printing available on photo gloss, photo satin, polypropylene, and backlit roll media.
[4] Except self-adhesive vinyls and non-cuttable medias.
[5] ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23ºC (73ºF), 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with HP Vivid Photo Inks.
[6] Measured on HP Matte Film.
[7] With HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.
[8] Based on 4 GB RAM.
[9] Not included in the box for 24-in models.
[10] 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.
[11] 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.