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.

FAST — Work without delays

- Handle even the most complex files with powerful processing architecture and the Adobe PDF Print Engine.\(^3\)
- Cut maps to different sizes in fewer steps with the first printer including an integrated vertical trimmer.\(^1\)
- 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.\(^1\)

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 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: hp.com/go/learnaboutsupplies

---

\(^1\) Vertical trimmer and dual rolls included with the HP DesignJet Z6dr 44-in PostScript® Printer with V-Trimmer only. Up to 20% reduction in post-processing labor time based on internal HP testing compared to HP DesignJet Z6 series printers without built-in vertical trimmer.

\(^2\) 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 HPLFMedia.com/printpermanence.

\(^3\) 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 adobe.com/products/pdfprintengine.

\(^4\) 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.
Datasheet | HP DesignJet Z6 PostScript® Printer series

Technical specifications

Print
Max print speed 916 ft²/hr (86.1 m²/hr) on plain media
Color images Nom: 1.4 min/page on A1/D or up to 22.7 ft²/hr (224 ft²/hr) on coated media Best: 3.7 min/page on A1/D or up to 46 ft²/hr (46 m²/hr) on glossy media
Print resolution p to 2400 x 1200 optimized dpi
Technology HP Thermal Inkjet
Margins Roll: 0.2 x 0.2 x 0.2 x 0.2 in (borderless on select media), and on all media when using v-Trimmer® (5.5 x 5.5 x 5 mm (borderless on select media), and on all media when using v-Trimmer®)
Sheet: 0.2 x 0.2 x 0.2 x 0.2 in (5.5 x 5.5 x 5 mm)
Ink types Pigment-based
Ink cartridges 6 cyan, magenta, yellow, matte black, photo black, chromatic red
ink drop 73 pl dual-drop weight (M, C, PK); 6 pl single-drop weight (Y, CR, MK)
Printheads 3 universal printheads (valid for all colors)

Image quality
Short-term color stability < 1 e-20000 in less than 5 minutes
Long-term print-to-print variation Average < 0.5% @20000, 99% of colors < 1% @20000
Maximum optical density 41+ m/2 2.0

Media
Handling Single-roll; Roll feed, front sheet feed, media output bin, automatic horizontal cutter; Dual-roll; Two automatic roll feeds, smart-roll switching, front sheet feed, media output bin, automatic horizontal cutter and vertical trimmer (cuts AHP/Z-series printer-qualified media, including most all canvases. Does not Support HP Adhesive media or cardboard with hard stiff seams.)
Sheetsize 24-in: 3 x 11 to 24 x 66-in; 44-in: 3 x 11 to 46 x 66-in; C4-in: 210 x 279 to 110 x 1778 mm; 44-in: 210 x 279 to 110 x 1778 mm
Roll size 24-in: 31 to 24-in; 44-in: 31 to 44-in; 24-in: 210 x 279 to 610 mm; 44-in: 210 x 279 to 1118 mm
Weight Up to 500 g/m²
Thickness Up to 3.15 mil (0.08 to 0.8 mm)

Applications
Banners, Exhibition and event graphics, Light boxes - film; Maps; Orthophotos; Point of sale/retail

Memory
128 GB (virtual); 500 GB self-encrypting hard disk
Connectivity Interfaces Ethernet, Fast Ethernet, Gigabit Ethernet, 100/1000/1000 Base-T Ethernet, USB 2.0, USB 3.0, (USB 3.0 only), USB Type-A host port
Print languages Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP-GL/2, HP-RTL, PDF/PS
Mobile printing features Direct print for mobile apps for 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.

Security features
HP Secure Boot, Wastelisting, Role Based Access Control, SNMPv3, HTTPS, Secure-IPP (PostScript); Firewall, Certifications management, 802.1X, TLS 1.0/1.1/1.2, HP Web Jetadmin compatible, HP JetAdvantage Security Manager, HP Secure Boot, Whitelisting, Role Based Access Control, SNMPv3, HTTPS, Secure-IPP, IPsec/IRAM

Dimensions (w x d x h)
Printer 55.9 x 27.4 x 39.3 in (1413 x 695 x 998 mm)
Shipping 58.7 x 32.7 x 38.1 in (1486 x 766 x 918 mm)
Weight Printer 145 lbs (66 kg)
Shipping 214 lb (97 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, quick reference guide, setup postion, power cord.

Software included

Environmental ranges
Operating temperature: 41 to 104°F (5 to 40°C)
Operating humidity: 20 to 80% RH

Acoustic
Sound pressure 42 dBA (operating), 43 dBA (ideal), 45 dBA (above)
Sound power 6.0 dBA (operating), 6.9 dBA (ideal), 8.4 dBA (above)

Power
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 (rated): 100-240 V (±10%), 50/60 Hz, 2 A max

Certification
Safety USA and Canada (UL 60950-1), IEC 60950-1, Canada (CSA), EU (EN 60950-1), Russia, Belarus, Kazakhstan (IEAC), Singapore (PSB), China (CEC, Argentina (INMETRO) India (BIS)
Emissions Compliant with Class B requirements, including: USA FCC rules, Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RMTI), China (CEC, Japan (VCCI), Korea (VCCI), South Africa (SABS)
Environmental ENERGY STAR, EPEAT Gold, RoHS EU, China, Korea, India, REACH, EPEAT Silver

Warranty
One-year limited hardware warranty

Ordering information
Product
78818A HP DesignJet Z6-44-in PostScript® Printer with V-Trimmer
78816A HP DesignJet Z6-44-in PostScript® Printer
78815A HP DesignJet Z6-24-in PostScript® Printer

Accessories
N7P74A HP USB 3.0 to Gigabit LAN Adapter
CN518A HP DesignJet 3-in Core Adapter
Q6700A HP DesignJet 24-in Spindle
Q6708A HP DesignJet 44-in Spindle
1Q38A HP DesignJet 44-in Take-up Reel
G8H51B HP SD Pro 44-in Scanner
G8M50B HP SD Pro 44-in Scanner

Original HP ink cartridges and printheads
P2981A HP 746 300-ml Chromatic Red DesignJet Ink Cartridge
P2980A HP 746 300-ml Cyan DesignJet Ink Cartridge
P2978A HP 746 300-ml Magenta DesignJet Ink Cartridge
P2979A HP 746 300-ml Matte Black DesignJet Ink Cartridge
P2982A HP 746 300-ml Photo Black DesignJet Ink Cartridge
P2925A HP 746 300-ml Yellow DesignJet Ink Cartridge

Original HP large format printing materials
Q6581A HP Universal Instant-dry Satin Photo Paper (FSC® certified) 42 in x 100 ft (107 m x 30.5 m)
Q6762A HP Universal Instant-dry Satin Photo Paper (FSC® certified) 42 in x 100 ft (107 m x 30.5 m)
E04F2A HP Everyday Adhesive Matte Polypropylene, 2 Pack 42 in x 5 ft (1067 mm x 22.9 m)
E4157A HP Artist Matte Canvas 44 in x 50 ft (1118 mm x 15.2 m)
Y3121A HP Everyday Blockout Display Film 36 in x 100 ft (914 mm x 30.5 m)
Q0627B HP Super Heavyweight Plus Matte Paper (FSC® certified) 36 in x 100 ft (914 mm x 30.5 m)

Service and support
U9W00E HP 3 year Next Business Day plus Defective Media Retention Support
U9X8BE HP 5 year Next Business Day plus Defective Media Retention Support
U9Y09E HP 1 year Post Warranty, Next Business Day plus Defective Media Retention Support
H3S1BE HP Network Installation Service with Network Setup

HP DesignJet Support Services offers solutions for business critical environments — installation, extended support and maintenance, as well as variety of value added services.

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 media reclamation

Program availability varies. Please check hp.com/recycle for details.
Please recycle large-format printing hardware and printing supplies. Find out how at our website: hp.com/consolations

1 Maximum rate of output for color image 100% color coverage. Printed in Economode, on HP Bright White Inkjet Paper (bond), maximum roll, with Original HP Z Series Photo Ink. Measured on a 44-in printer.
2 Mechanical printing time with Original HP Z Series Photo Inks. Measured on a 44-in printer.
3 Borderless printing available on photo, polypropylene, and barcode roll media.
4 Except self-adhesive vinyls and non-cuttable medias.
5 With HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.
6 Based on 4 GB RAM.
7 Not included in the box for 24-in models.
8 BMG trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions.
9 Available in North America. For more information, visit hp.com/go/OriginalHPInks.

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