



# 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>1</sup>

## FAST—Work without delays

- Handle even the most complex files with powerful processing architecture and the Adobe PDF Print Engine.<sup>2</sup>
- Cut maps to different sizes in fewer steps with the first printer including an integrated vertical trimmer.<sup>3</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>3</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>

This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: <http://www.hp.com/learn/ds>

<sup>1</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>2</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  
<sup>3</sup> Vertical trimmer and dual rolls included with the HP DesignJet Z6dr 44-in PostScript® Printer with V-Trimmer only.  
<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>	
Print speed	24-in: Fast: 720 ft <sup>2</sup> /hr on plain media Normal: 164 ft <sup>2</sup> /hr on coated media Best: 85 ft <sup>2</sup> /hr on glossy media 44-in: Fast: 866 ft <sup>2</sup> /hr on plain media Normal: 202 ft <sup>2</sup> /hr on coated media Best: 104 ft <sup>2</sup> /hr on glossy media <sup>1</sup>
Print resolution	Up 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 selected media <sup>3</sup> , or on all media with V-Trimmer <sup>4</sup> ) Sheet: 0.2 x 0.67 x 0.2 x 0.2 in
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% <sup>5</sup>
Minimum line width	0.0008 in (PDF addressable @ 1200 dpi)
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, rear 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)
Roll size	24-in: 11 to 24-in 44-in: 11 to 44-in
Sheet size	24-in: 8.3 x 11 to 24 x 66 in 44-in: 8.3 x 11 to 44 x 66 in
Grammage	80 to 500 g/m <sup>2</sup>
Thickness	Up to 31.5 mil
Applications	Banners; Exhibition and event graphics; Light boxes - film; Maps; Orthophotos; Point of sale/display; Posters
Memory	128 GB (virtual) <sup>8</sup>
Hard disk	500 GB self-encrypting
<b>Connectivity</b>	
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 PDF driver for Windows 8 and above
<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: 50.9 x 27.4 x 39.3 in 44-in: 71 x 27.4 x 39.3 in
Shipping	24-in: 56.7 x 30.2 x 28.3 in 44-in: 76.8 x 30.2 x 28.3 in
<b>Weight</b>	
Printer	145-211 lb
Shipping	214-291 lb
<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>HP Software and solutions</b>	
	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)
<b>Environmental ranges</b>	
Operating temperature	41 to 104°F
Operating humidity	20 to 80% RH
Storage temperature	-13 to 131°F
<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); <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

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
Warranty	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

1QF38A	HP DesignJet 44-in Take-up Reel
5EK00A	HP HD Pro 2 42-in Scanner
CN538A	HP DesignJet 3-in Core Adapter
66H50D	HP SD Pro 44-in Scanner
Q6709A	HP DesignJet 44-in Spindle

## Original HP printing supplies

1XA48A	HP 746 2-pack 300-ml Magenta DesignJet Ink Cartridges
1XA49A	HP 746 2-pack 300-ml Yellow DesignJet Ink Cartridges
1XA50A	HP 746 2-pack 300-ml Cyan DesignJet Ink Cartridges
1XA51A	HP 746 2-pack 300-ml Chromatic Red DesignJet Ink Cartridges
1XA52A	HP 746 2-pack 300-ml Photo Black DesignJet Ink Cartridges
1XA53A	HP 746 2-pack 300-ml Matte Black DesignJet Ink Cartridges
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

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](http://hp.com/go/OriginalHPInks).

## Original HP large format printing materials

Q6581A	HP Universal Instant-dry Satin Photo Paper (FSC® certified) <sup>10</sup> (Recyclable) <sup>11</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>10</sup> (Recyclable) <sup>11</sup> 1067 mm x 30.5 m (42 in x 100 ft)
CH025A	HP Everyday Matte Polypropylene, 2 Pack (Recyclable) <sup>11</sup> 1067 mm x 30.5 m (42 in x 100 ft)
CG460B	HP Premium Matte Photo Paper (FSC® certified) <sup>10</sup> (Recyclable) <sup>11</sup> 914 mm x 30.5 m (36 in x 100 ft)

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

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>

# ECO highlights

- ENERGY STAR® certified<sup>1</sup>, EPEAT® 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: <http://www.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>6</sup> Maximum rate of output for color image 100% color coverage. Printed on maximum roll size, with Original HP Vivid Photo Inks.

<sup>7</sup> Mechanical printing time with Original HP Vivid Photo Inks. Measured on a 44-in printer.

<sup>8</sup> Borderless printing available on photo gloss, photo satin, polypropylene, and backlit roll media.

<sup>9</sup> Except self-adhesive vinyls and non-cuttable medias.

<sup>10</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>11</sup> Measured on HP Matte Film.

<sup>12</sup> With HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.

<sup>13</sup> Based on 4 GB RAM.

<sup>14</sup> Not included in the box for 24-in models.

<sup>15</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.

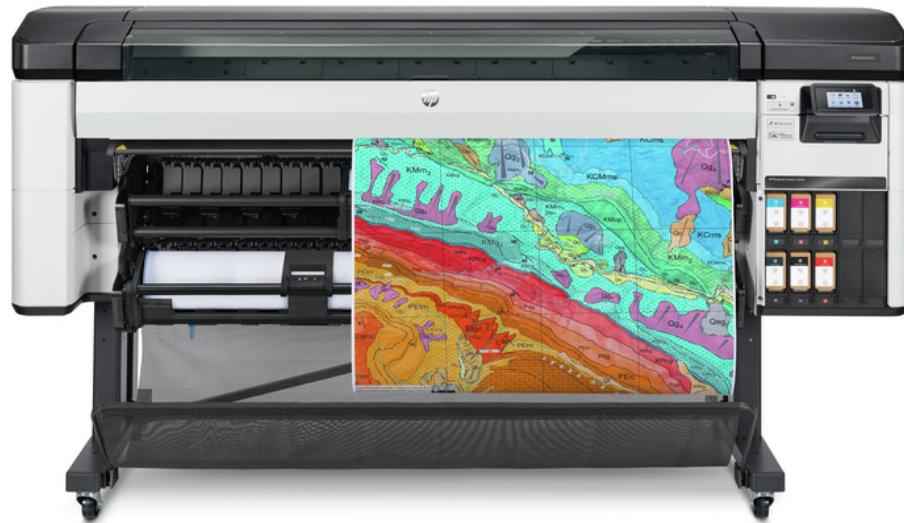
<sup>16</sup> Recyclable HP papers can be recycled through commonly available recycling programs, or according to region-specific practices, or can be returned through the HP Large Format Media take-back program. Recycling programs may not exist in your area. See <http://www.HPLFMedia.com/hp/ecosolutions> for details.





# HP DesignJet Z6 Pro 64-in Printer

The most precise maps with dual roll productivity<sup>1</sup>



## PRECISE—Highest precision and fine line detail<sup>1</sup>

- Rely on clear PDF output—see excellent transparencies and layers reproduction—with Adobe PDF Print Engine.<sup>2</sup>
- Achieve finest details, sharp contour lines and text with high-definition HP HDNA printheads.<sup>1</sup>
- Get smooth gradients and reproduce distinct shades of color with HP Pixel Control.
- Work with water- and fade-resistant prints with HP Vivid Photo Inks.<sup>3</sup>

## PRODUCTIVE—Enhanced efficiency, higher speed<sup>4</sup>

- Save media change time—up to 40%—with dual roll option for two media types/sizes, automatic roll switching.<sup>5</sup>
- Be more efficient—experience the fastest media handling, spindle-less and automatic roll feed.<sup>6</sup>
- Be more productive—print 2X faster on plain paper at the same quality<sup>4</sup> and easily handle production peaks.
- Save time with the world's easiest job submission software—send multiple files to print with HP Click.<sup>7</sup>

## SECURE—World's most secure large-format printer<sup>8</sup>

- Get best data protection with encrypted communications and Access Control List.<sup>8</sup>
- Control who accesses the printer and its confidential documents with secure PIN printing.
- Keep devices secure, set security preferences—any time—with HP Jet Advantage Security Manager software.<sup>9</sup>
- Rely on the best network protection with HP Connection Inspector, HP Secure Boot, and Whitelisting.<sup>8</sup>

For more information, please visit <http://www.hp.com/go/DesignJet-Z6-Pro>

This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: <http://www.hp.com/learn/ds>

<sup>1</sup> Highest precision based on testing commissioned by HP and performed by Sogeti in March 2021 comparing the HP DesignJet Z6 Pro 64-in Printer and comparable competitive printers that represent the majority market share worldwide as of 2020 according to IDC, by comparing the minimum distance between two lines necessary to correctly reproduce the lines (the lower the distance, the higher the precision) printing on coated paper and Normal mode. Dual roll option must be purchased separately.

<sup>2</sup> Adobe PostScript®/PDF upgrade kit sold separately. The Adobe PDF Print Engine (APPE) is Adobe's high speed, high fidelity print platform. Version 5.5 extends APPE's leading edge for print reproduction with performance efficiencies and breakthrough rendering features. APPE 5.5 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>3</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 8 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. For more information, see <http://www.HPLFMedia.com/printpermanence>.

<sup>4</sup> Faster compared to the HP DesignJet Z6810 60-in Production Printer. Based on internal HP testing, January 2021. Using plain paper and Fast mode, the HP DesignJet Z6 Pro 64-in Printer can achieve speed of 1055 ft<sup>2</sup>/hr (98 m<sup>2</sup>/hr) at the same quality as the HP DesignJet Z6810 60-in Production Printer using plain paper and Normal mode at speed of 549 ft<sup>2</sup>/hr (51 m<sup>2</sup>/hr).

<sup>5</sup> Up to 40% less time based on internal HP testing in February 2021 compared to HP DesignJet Z6610/Z6810 60-in Production Printers without second roll option. HP DesignJet Z Pro Series 64-in Multifunction Roll sold separately.

<sup>6</sup> Based on testing commissioned by HP and performed by Sogeti in January 2021 comparing the HP DesignJet Z6 Pro 64-in Printer and comparable competitive printers that represent the majority market share worldwide as of 2020 according to IDC, by loading a 44-in roll of Océ draft paper 75 g/m<sup>2</sup>. Measuring time from loading the roll in the "roll holder" until the printer finishes the loading. Test performed under the same conditions in both printers (loading upper/top roll and using default settings for skew and size detection).

<sup>7</sup> Based on testing commissioned by HP and performed by Sogeti in January 2021 comparing the HP DesignJet Z6 Pro 64-in Printer and comparable competitive printers that represent the majority market share worldwide as of 2020 according to IDC, by printing 5 A1 PDF GIS files on plain paper and Normal mode using HP Click and Canon Direct Print & Share printing software. Test performed under the same conditions in both printers using equivalent print modes measuring time from "Drag and drop" the files until the last page is ejected by the printer. Applicable to PDF, JPEG, TIFF, DWF, and HP-GL/2 files. HP Click is only compatible with Original HP ink supplies.

<sup>8</sup> Based on comparison of published security specifications commissioned by HP and performed by Sogeti in January 2021. Comparison of the HP DesignJet Z6 Pro 64-in Printer and competitors that represent the majority market share worldwide as of 2020 according to IDC. Comparison matrix and further details available upon request.

<sup>9</sup> HP JetAdvantage Security Manager must be purchased separately. For details, see <http://www.hp.com/go/securitymanager>.

# Technical specifications

Print	
Print speed	Fast: 1055 ft <sup>2</sup> /hr on plain media Normal: 312 ft <sup>2</sup> /hr on coated media Best: 152 ft <sup>2</sup> /hr on glossy media <sup>1</sup>
Print resolution	Up to 2400 x 1200 optimized dpi
Technology	HP Thermal Inkjet
Margins	Roll: 0.2 x 0.2 x 0.2 x 0.2 in
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	3136 per color; 18,816 in total
Line accuracy	±0.1% <sup>2</sup>
Minimum line width	0.0008 in <sup>3</sup>
Short-term color stability	< 1 dE2000 in less than 5 minutes <sup>4</sup>
Long-term print-to-print repeatability	Average < 0.5 dE2000, 95% of colors < 1.4 dE2000 <sup>4</sup>
Max optical density	4 L* min/2.5 D <sup>4</sup>
Media	
Handling	One automatic roll feed, spindle-less system, optional multifunction roll accessory enabling either automatic second roll feed with smart roll-switching <sup>5</sup> or take-up reel capability, optional standalone take-up reel accessory, media output bin, automatic horizontal cutter (cuts all HP Z-series printer-qualified media, including most canvas)
Roll size	16.5 to 64-in
Grammage	80 to 500 g/m <sup>2</sup>
Thickness	Up to 23.6 mil
Applications	Exhibition and event graphics; Indoor posters; Line drawings; Maps; Office Graphics; Orthophotos; Photo maps; Presentations; Renderings; Technical presentations
Memory	86 GB file processing (based on 4 GB RAM)
Hard disk	500 GB self-encrypting
Connectivity	
Interfaces	Gigabit Ethernet (1000Base-T) (802.3, 802.3u, 802.3ab)
Native print languages	TIFF, JPEG, CALS G4, HP-GL/2, HP-RTL
Print languages (optional)	Adobe PostScript 3, Adobe PDF 1.7
Printing paths	Print drivers, HP Click, printing support for Chrome OS, HP Print Service Plugin for Android, HP Smart app for iOS and Android, HP SmartStream, Apple AirPrint
Drivers	Raster drivers for Windows, raster drivers for macOS PDF driver for Windows and PostScript driver for macOS with optional PostScript/PDF Upgrade Kit
Security features	
	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, encrypted PIN printing, unique admin password, HP Connection Inspector
Dimensions (w x d x h)	
Printer	102.6 x 31.1 x 55.2 in
Shipping	110.2 x 29.5 x 51.3 in
Weight	
Printer	373 lb
Shipping	578 lb
What's in the box	
	HP DesignJet Z6 Pro Printer, printheads, introductory ink cartridges, maintenance cartridge, printer stand and media bin, 3-in core adapter, quick reference guide, setup poster, power cord, user maintenance kit
HP Software and solutions	
	HP Click printing software, HP PrintOS, HP Partner Link, HP DesignJet Accounting Tool, HP Web Jetadmin, HP SmartTracker (optional), HP SmartStream (optional), HP JetAdvantage Security Manager (optional)
Environmental ranges	
Operating temperature	41 to 104°F
Operating humidity	20 to 80% RH
Storage temperature	-4 to 131°F
Acoustics	
Sound pressure	52 dB(A) (operating), 25 dB(A) (idle), <20 dB(A) (sleep)
Sound power	≤6.9 B(A) (operating), ≤4.3 B(A) (idle), <4.0 B(A) (sleep)
Power	
Consumption	150 W (printing); <35 W (ready); <9 W (sleep); <0.3 W (off)
Requirements	Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 3 A max

## Certification

Safety	IEC 60950-1+A1+A2 and IEC 62368-1 compliant; USA and Canada (CSA listed); EU (LVD and EN 60950-1 and 62368-1 compliant); Russia, Belarus, and Kazakhstan (EAC), Argentina (IRAM); Singapore (PSB), China (CCC)
Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia and New Zealand (RCM), Japan (VCCI), Korea (KCC), China (CCC)
Environmental	ENERGY STAR 3.0, WEEE, EU RoHS, China RoHS, REACH, EPEAT
Warranty	One-year limited warranty. Warranty and support options vary by product, country and local legal requirements.

## Ordering information

Product	
2QU25A	HP DesignJet Z6 Pro 64-in Printer

## Accessories

1A4TOA	HP DesignJet Z Pro Series 2/3-in Core Adapter
5EK00A	HP HD Pro 2 42-in Scanner
7HC73A	HP DesignJet Z Pro Series 64-in Take-up Reel
7HC74A	HP DesignJet Z Pro Series 64-in Multifunction Roll
7HC76A	HP DesignJet PostScript/PDF Upgrade Kit
G6H50B	HP SD Pro 44-in Scanner

## Original HP printing supplies

1XB17A	HP 775 500-ml Cyan Ink Cartridge
1XB18A	HP 775 500-ml Magenta Ink Cartridge
1XB19A	HP 775 500-ml Yellow Ink Cartridge
1XB20A	HP 775 500-ml Chromatic Red Ink Cartridge
1XB21A	HP 775 500-ml Photo Black Ink Cartridge
1XB22A	HP 775 500-ml Matte Black Ink Cartridge
3ED19A	HP 777 DesignJet Maintenance Cartridge
3EE09A	HP 777 DesignJet Printhead

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](http://hp.com/go/OriginalHPInks).

## Original HP large format printing materials

HP Universal Instant-dry Satin Photo Paper (FSC® certified) <sup>6</sup> (Recyclable) <sup>7</sup>
HP Artist Matte Canvas
HP Heavyweight Coated Paper (FSC® certified) <sup>6</sup> (Recyclable) <sup>7</sup>
HP Everyday Matte Polypropylene (Recyclable) <sup>7</sup>
HP Premium Matte Photo Paper (FSC® certified) <sup>6</sup> (Recyclable) <sup>7</sup>

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

## Service and Support

U36XME HP 3 year Next Business Day Onsite HW Support with Defective Media Retention
U36XQE HP 5 year Next Business Day Onsite HW Support with Defective Media Retention
U36XRPE HP 1 year Post Warranty, Next Business Day HW Support with Defective Media Retention
U36YHE HP Network Installation Service
HP Support Services offer installation and extended support services (e.g. 2, 3, 4, and 5 years). For more information, please visit <a href="http://www.hp.com/go/cpc">http://www.hp.com/go/cpc</a>

Please recycle printing hardware and eligible printing supplies. Find out how at our website: <http://www.hp.com/ecosolutions>

<sup>1</sup> Maximum rate of output for color image 100% color coverage. Printed on maximum roll size, with Original HP Vivid Photo Inks.  
<sup>2</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>3</sup> Theoretical value based on data resolution.  
<sup>4</sup> With HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.  
<sup>5</sup> Photo papers are recommended to be used on roll 1 only.  
<sup>6</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>7</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.





# HP DesignJet Z6810 Production Printer series

The fastest high-quality production printing solution<sup>1</sup>



## IMPRESSIVE—Meet high-quality expectations

- Help your customers stand out from impactful photos to detailed maps/line drawings, with optimized printheads.
- Avoid rework with consistent, accurate color across prints and printers, with embedded spectrophotometer.<sup>3</sup>
- Meet your customers' expectations for precise colors with HP Professional PANTONE® color emulation.<sup>4</sup>

## PRODUCTIVE—Increase your production volumes

- Accommodate production peaks with print speeds up to 212 ft<sup>2</sup>/hr on glossy and 548 ft<sup>2</sup>/hr on plain paper.<sup>5</sup>
- Handle more jobs with 500 GB hard disk capacity.
- Work without interruption with long media rolls, 775-ml HP ink cartridges, and a built-in take-up reel.

## RELIABLE—No need to change the way you work

- Seamlessly integrate with the market-leading RIPs, enabled by HP's RIP certification program.<sup>2</sup>
- Turn operator efficiency into operating profit with HP SmartStream job preparation and processing software.
- Easily create content and submit jobs using the HP Applications Center.<sup>6</sup>
- Enjoy one-click printing that also helps reduce media waste using HP Click printing software.<sup>7</sup>

For more information, please visit <http://www.hp.com/go/designjetz6810>

<sup>1</sup> Compared with large-format photo inks inkjet printers under \$25,000 USD for graphics applications. Based on the fastest-rated color speeds as published by manufacturers as of June, 2017. Test methods vary.

<sup>2</sup> For a list of HP certified RIPs, visit: <http://www8.hp.com/us/en/large-format-printers/designjet-printers/zseries-rips.html>.

<sup>3</sup> Embedded in the HP DesignJet Z6810 Production Printer series is an i1 spectrophotometer from X-Rite. Close collaboration between HP and X-Rite ensures a reliable solution that's been thoroughly tested to meet customer demands for ease, quality, and dependability.

<sup>4</sup> HP Professional PANTONE® color emulation and Adobe PostScript®/PDF upgrade kit sold separately.

<sup>5</sup> Using glossy paper and Normal mode, HP DesignJet Z6810 Production Printers can achieve print speeds up to 212 ft<sup>2</sup>/hour. Using plain paper and Normal mode, HP DesignJet Z6810 Production Printers can achieve speeds up to 548 ft<sup>2</sup>/hour.

<sup>6</sup> Requires an HP Applications Center account, Internet connection, and connected Internet-capable device. For more information, see <http://www.hpapplicationscenter.com>.

<sup>7</sup> 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.

# Technical specifications

<b>Print</b>	
Print speed	42-in: Fast-Economode: 1225 ft <sup>2</sup> /hr on plain media Normal: 236 ft <sup>2</sup> /hr on coated media Best: 118 ft <sup>2</sup> /hr on glossy media 60-in: Fast-Economode: 1500 ft <sup>2</sup> /hr on plain media Normal: 283 ft <sup>2</sup> /hr on coated media Best: 141 ft <sup>2</sup> /hr on glossy media <sup>1</sup>
Print resolution	Up to 2400 x 1200 optimized dpi
Technology	HP Thermal Inkjet
Margins	Roll: 0.2 x 0.2 x 0.2 x 0.2 in
Ink types	Pigment-based
Printheads	8 (2x matte black/chromatic red, 2x magenta/yellow, 2x light magenta/cyan, 2x photo black/light gray)
Printhead nozzles	2112 per color
Line accuracy	±0.1%
Minimum line width	0.0008 in (HP-GL/2 addressable)
Color accuracy	Median < 1.25 dE2000, 95% of colors < 2.75 dE2000 <sup>3</sup>
Short-term color stability	< 1 dE2000 in less than 5 minutes <sup>4</sup>
Long-term print-to-print repeatability	Average < 0.5 dE2000, 95% of colors < 1.25 dE2000 <sup>4</sup>
Max optical density	4.5 L* min/2.31 D <sup>4</sup>
<b>Media</b>	
Handling	Roll feed, automatic horizontal cutter, media bin <sup>5</sup> , take-up reel <sup>6</sup>
Roll size	42-in: 11 to 42 in 60-in: 11 to 60 in
Grammage	80 to 500 g/m <sup>2</sup>
Thickness	Up to 22 mil
Applications	Exhibition and event graphics; Graphics design; Indoor posters; Layouts and comps; Light boxes - paper; Line drawings; Maps; Office Graphics; Orthophotos; Photo maps; Point of sale/display; POP/POS; Posters; Presentations; Renderings; Schematics; Technical presentations
Memory	64 GB (virtual) <sup>7</sup>
Hard disk	500 GB
<b>Connectivity</b>	
Interfaces	Gigabit Ethernet (1000Base-T); EIO Jetdirect accessory slot
Print languages (standard)	HP-GL/2, HP-RTL, CALS G4
Print languages (optional)	Adobe PostScript 3; Adobe PDF 1.7; TIFF; JPEG
Drivers	Raster driver for Windows PostScript driver for Windows and macOS with optional PostScript/PDF Upgrade Kit
Security features	SNMPv3, Control Panel lock levels, Certificates management, IPsec, SSL, Secure file erase, Secure disk erase
<b>Dimensions (w x d x h)</b>	
Printer	42-in: 77.5 x 27.2 x 53.9 in 60-in: 95.7 x 27.2 x 53.9 in
Shipping	42-in: 89.8 x 28.9 x 47.2 in 60-in: 105.6 x 29.5 x 47.2 in
<b>Weight</b>	
Printer	42-in: 271 lb 60-in: 419 lb
Shipping	42-in: 390.2 lb 60-in: 489.4 lb
What's in the box	HP DesignJet Z6810 Production Printer, spindle, printheads, introductory ink cartridges, maintenance cartridge, printer stand, media bin <sup>5</sup> , take-up reel <sup>6</sup> , 3-in spindle adapter kit, quick reference guide, setup poster, startup software, power cord
HP Software and solutions	Printer drivers, HP Click, HP Applications Center, HP DesignJet Utility including HP Color Center
<b>Environmental ranges</b>	
Operating temperature	41 to 104°F
Operating humidity	20 to 80% RH
Storage temperature	-4 to 131°F
<b>Acoustics</b>	
Sound pressure	53 dB(A) (operating), 39 dB(A) (idle), 39 dB(A) (sleep)
Sound power	7.0 B(A) (operating), 5.5 B(A) (idle), 5.5 B(A) (sleep)
<b>Power</b>	
Consumption	270 W (printing); < 48 W (ready); < 5.3 W (sleep); < 0.3 W (off)
Requirements	Input voltage (auto ranging): 100-127 V (±10%), 5 A; 220-240 V (±10%), 3 A; 50/60 Hz (±3 Hz)
<b>Certification</b>	
Safety	USA and Canada (CSA certified); EU (LVD and EN 60950-1 compliant); Russia (GOST); Singapore (PSB); China (CCC); Argentina (IRAM); Mexico (NYCE); Korea (KC)
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 (MSIP)
Environmental	ENERGY STAR; WEEE; RoHS (EU, China, Korea, India); REACH; EPEAT Bronze
Warranty	One-year limited hardware warranty

# Ordering information

<b>Product</b>	
Z6U12A	HP DesignJet Z6810 42-in Production Printer
Z6U14A	HP DesignJet Z6810 60-in Production Printer
<b>Accessories</b>	
CQ745B	HP DesignJet PostScript/PDF Upgrade Kit
CQ752A	HP DesignJet 42-in Take-up Reel
CQ754A	HP DesignJet 60-in Spindle
GGH51B	HP HD Pro 42-in Scanner
L3J69AAE	HP SmartStream Preflight Manager
L3J79AAE	HP SmartStream Print Controller for HP DesignJet Z6xx0 Production Printers
Q6714A	HP DesignJet 60-in Media Bin
Q6715A	HP DesignJet User Maintenance Kit
<b>Original HP printing supplies</b>	
86Y15A	HP 771 A 775-ml Matte Black DesignJet Ink Cartridge
86Y17A	HP 771 A 775-ml Magenta DesignJet Ink Cartridge
86Y18A	HP 771 A 775-ml Yellow DesignJet Ink Cartridge
86Y19A	HP 771 A 775-ml Light Magenta DesignJet Ink Cartridge
86Y20A	HP 771 A 775-ml Light Cyan DesignJet Ink Cartridge
86Y21A	HP 771 A 775-ml Photo Black DesignJet Ink Cartridge
86Y22A	HP 771 A 775-ml Light Gray DesignJet Ink Cartridge
86Y39A	HP 771 A 3-pack 775-ml Matte Black DesignJet Ink Cartridges
86Y41A	HP 771 A 3-pack 775-ml Magenta DesignJet Ink Cartridges
86Y42A	HP 771 A 3-pack 775-ml Yellow DesignJet Ink Cartridges
86Y43A	HP 771 A 3-pack 775-ml Light Magenta DesignJet Ink Cartridges
86Y44A	HP 771 A 3-pack 775-ml Light Cyan DesignJet Ink Cartridges
86Y45A	HP 771 A 3-pack 775-ml Photo Black DesignJet Ink Cartridges
86Y46A	HP 771 A 3-pack 775-ml Light Gray DesignJet Ink Cartridges
CH644A	HP 771 DesignJet Maintenance Cartridge
P2V97A	HP 774 Matte Black/Chromatic Red DesignJet Printhead
P2V98A	HP 774 Light Magenta/Cyan DesignJet Printhead
P2V99A	HP 774 Magenta/Yellow DesignJet Printhead
P2W00A	HP 774 Photo Black/Light Gray DesignJet Printhead
P2W02A	HP 774 775-ml Chromatic Red 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 <http://hp.com/go/OriginalHPInks>.

## Original HP large format printing materials

CH027A	HP Everyday Matte Polypropylene, 2 Pack 1524 mm x 30.5 m (60 in x 100 ft)
E4J58B	HP Artist Matte Canvas 1524 mm x 15.2 m (60 in x 50 ft)
Q6630B	HP Super Heavyweight Plus Matte Paper (FSC <sup>®</sup> certified) <sup>8</sup> (Recyclable) <sup>9</sup> 1524 mm x 30.5 m (60 in x 100 ft)
Q8000A	HP Premium Instant-dry Satin Photo Paper (FSC <sup>®</sup> certified) <sup>8</sup> (Recyclable) <sup>9</sup> 1524 mm x 30.5 m (60 in x 100 ft)
Q8750A	HP Premium Vivid Color Backlit Film 1524 mm x 30.5 m (60 in x 100 ft)

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

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>

# ECO highlights

- ENERGY STAR<sup>®</sup> certified<sup>1</sup>, EPEAT<sup>®</sup> Bronze registered as environmentally preferable product<sup>2</sup>
- Breakthrough color consistency can help reduce unnecessary reprints
- Free, convenient HP ink cartridge and printhead recycling<sup>3</sup>
- FSC<sup>®</sup>-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: <http://www.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<sup>®</sup> 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<sup>®</sup>-C115319, see <http://www.fsc.org>. HP trademark license code FSC<sup>®</sup>-C017543, see <http://www.fsc.org>. Not all FSC<sup>®</sup>-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>6</sup> Maximum rate of output for color image 100% color coverage. Printed on maximum roll size, with Original HP Vivid Photo Inks.

<sup>7</sup> Mechanical printing time with Original HP Vivid Photo Inks. Measured on a 60-in printer.

<sup>8</sup> ICC absolute colorimetric accuracy on HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.

<sup>9</sup> With HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.

<sup>5</sup> Not included in the box for 60-in models.

<sup>6</sup> Not included in the box for 42-in models.

<sup>7</sup> Based on 1 GB RAM.

<sup>8</sup> BMG trademark license code FSC<sup>®</sup>-C115319, see <http://www.fsc.org>. HP trademark license code FSC<sup>®</sup>-C017543, see <http://www.fsc.org>. Not all FSC<sup>®</sup>-certified products are available in all regions.

<sup>9</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.

