



# HP DesignJet Z6810 42-in Production Printer

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 optimised printheads.
- Avoid rework with consistent, accurate colour across prints and printers, with embedded spectrophotometer.<sup>3</sup>
- Meet your customers' expectations for precise colours with HP Professional PANTONE® colour emulation.<sup>4</sup>

## PRODUCTIVE – Increase your production volumes

- Accommodate production peaks with print speeds up to 16.4 m<sup>2</sup>/h (177 ft<sup>2</sup>/h) on glossy and 21.9 m<sup>2</sup>/h (236 ft<sup>2</sup>/h) on coated paper.<sup>5</sup>
- Handle more jobs with 500 GB hard disk capacity.
- Work without interruption with long media rolls and 775-ml HP ink cartridges.

## 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.
- Enjoy one-click printing that also helps reduce media waste using HP Click printing software.<sup>6</sup>

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

<sup>1</sup> Compared with large-format photo inks inkjet printers under €9,000 for graphics applications. Based on the fastest-rated colour speeds as published by manufacturers as of June, 2017. Test methods vary.

<sup>2</sup> For a list of HP certified RIPs, visit: <https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c07798647>

<sup>3</sup> Embedded in the HP DesignJet Z6810 Production Printer 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 42-in Production Printers can achieve print speeds up to 16.4 m<sup>2</sup>/h (177 ft<sup>2</sup>/h). Using coated paper and Normal mode, HP DesignJet Z6810 42-in Production Printers can achieve speeds up to 21.9 m<sup>2</sup>/h (236 ft<sup>2</sup>/h).

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

# Technical specifications

<b>Print</b>	
Print speed	Fast: 113.6 m²/hr on plain media Normal: 21.9 m²/hr on coated media Best: 11 m²/hr on glossy media¹
Print resolution	Up to 2400 x 1200 optimised dpi
Technology	HP Thermal Inkjet
Margins	Roll: 5 x 5 x 5 x 5 mm
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 colour
Line accuracy	±0.1%
Minimum line width	0.02 mm (HP-GL/2 addressable)
Color accuracy	Median < 1.25 dE2000, 95% of colors < 2.75 dE2000²
Short-term color stability	< 1 dE2000 in less than 5 minutes²
Long-term print-to-print repeatability	Average < 0.5 dE2000, 95% of colors < 1.25 dE2000²
Max optical density	4.5 L* min/2.31 D²
<b>Media</b>	
Handling	Roll feed, automatic horizontal cutter, media bin, take-up reel (optional)
Roll size	279 to 1067 mm
Maximum roll diameter	170 mm
Grammage	80 to 500 g/m²
Thickness	Up to 0.6 mm
<b>Applications</b>	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 file processing (based on 1 GB RAM)
Hard disk	500 GB
<b>Connectivity</b>	
Interfaces	Gigabit Ethernet (1000Base-T); EIO Jetdirect accessory slot
Native print languages	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
<b>Security features</b>	SNMPv3, Control Panel lock levels, Certificates management, IPsec, SSL, Secure file erase, Secure disk erase
<b>Dimensions (W x D x H)</b>	
Printer	1970 x 690 x 1370 mm
Shipping	2280 x 735 x 1200 mm
<b>Weight</b>	
Printer	123 kg
Shipping	177 kg
<b>What's in the box</b>	HP DesignJet Z6810 42-in Production Printer; spindle, printheads, introductory ink cartridges, maintenance cartridge, printer stand, media bin, 3-in spindle adapter kit, quick reference guide, setup poster, startup software, power cord
<b>HP Software and solutions</b>	Free: HP Applications Center, HP Click, printer drivers, HP DesignJet Utility including HP Color Center, HP Partner Link Pay-per-use, HP Web JetAdmin Pay: HP SmartStream
<b>Environmental ranges</b>	
Operating temperature	5 to 40°C
Operating humidity	20 to 80% RH
Storage temperature	-20 to 55°C
<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	EU (LVD and EN 60950-1 compliant); Russia (GOST)
Electromagnetic	Compliant with Class A requirements, including: EU (EMC Directive)
Environmental	ENERGY STAR; WEEE; RoHS (EU); REACH; EPEAT Bronze
<b>Warranty</b>	One-year limited hardware warranty

# Ordering information

<b>Product</b>	
ZQU12A	HP DesignJet Z6810 42-in Production Printer
<b>Accessories</b>	
5EK00A	HP HD Pro 2 42-in Scanner
PQV97A	HP SD Pro 2 44-in Scanner
CQ745C	HP DesignJet PostScript/PDF Upgrade Kit
CQ752A	HP DesignJet Z6200 1067mm Take-Up Reel
L3J69AAE	HP SmartStream Preflight Manager
L3J79AAE	HP SmartStream Print Controller for HP DesignJet Z6xx0 Production Printers
Q6715A	HP DesignJet User Maintenance Kit
<b>Original HP printing supplies</b>	
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
C1Q37A	HP 773C 775-ml Matte Black DesignJet Ink Cartridge
C1Q39A	HP 773C 775-ml Magenta DesignJet Ink Cartridge
C1Q40A	HP 773C 775-ml Yellow DesignJet Ink Cartridge
C1Q41A	HP 773C 775-ml Light Magenta DesignJet Ink Cartridge
C1Q42A	HP 773C 775-ml Cyan DesignJet Ink Cartridge
C1Q43A	HP 773C 775-ml Photo Black DesignJet Ink Cartridge
C1Q44A	HP 773C 775-ml Light Gray DesignJet Ink Cartridge
CH644A	HP 771 DesignJet Maintenance 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 <a href="http://hp.com/go/OriginalHPInks">hp.com/go/OriginalHPInks</a> .	
<b>@@Original HP large format printing materials@@</b>	

HP Everyday Matte Polypropylene  
HP Artist Matte Canvas  
HP Super Heavyweight Plus Matte Paper (FSC® certified)³ (Recyclable)⁴  
HP Premium Instant-dry Satin Photo Paper (FSC® certified)³ (Recyclable)⁴  
HP Premium Vivid Color Backlit Film

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

**Service and Support**

U9WE3E HP 3 year Next Business Day plus Defective Media Retention Support  
U9WE5E HP 5 year Next Business Day plus Defective Media Retention Support  
U9WE6PE HP 1 year Post Warranty, Next Business Day plus Defective Media Retention Support  
U9WE7PE HP 2 year Post Warranty, Next Business Day plus Defective Media Retention Support  
H4518E HP Installation Service with Network Setup

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>

¹ Mechanical printing time with Original HP Vivid Photo Inks.  
² With HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.  
³ 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.  
⁴ 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/hplecosolutions> for details.