



HP DesignJet Z6810 42-in Production Printer

The fastest high-quality production printing solution¹



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.³
- Meet your customers' expectations for precise colors with HP Professional PANTONE® color emulation.⁴

PRODUCTIVE—Increase your production volumes

- Accommodate production peaks with print speeds up to 177 ft²/hr on glossy and 236 ft²/hr on coated paper.⁵
- 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.²
- 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.⁶
- Enjoy one-click printing that also helps reduce media waste using HP Click printing software.⁷

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

¹ Compared with large-format photo inks inkjet printers under \$10,000 USD for graphics applications. Based on the fastest-rated color speeds as published by manufacturers as of June, 2017. Test methods vary.

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

³ 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.

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

⁵ Using glossy paper and Normal mode, HP DesignJet Z6810 42-in Production Printers can achieve print speeds up to 177 ft²/hour. Using coated paper and Normal mode, HP DesignJet Z6810 42-in Production Printers can achieve speeds up to 236 ft²/hour.

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

⁷ 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

Print	
Print speed	Fast-Economode: 1225 ft ² /hr on plain media Normal: 236 ft ² /hr on coated media Best: 118 ft ² /hr on glossy media ¹
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 ²
Short-term color stability	< 1 dE2000 in less than 5 minutes ²
Long-term print-to-print repeatability	Average < 0.5 dE2000, 95% of colors < 1.25 dE2000 ²
Max optical density	4.5 L* min/2.31 D ²
Media	
Handling	Roll feed, automatic horizontal cutter, media bin, take-up reel (optional)
Roll size	11 to 42 in
Grammage	80 to 500 g/m ²
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 file processing (based on 1 GB RAM)
Hard disk	500 GB
Connectivity	
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
Security features	
	SNMPv3, Control Panel lock levels, Certificates management, IPsec, SSL, Secure file erase, Secure disk erase
Dimensions (w x d x h)	
Printer	77.5 x 27.2 x 53.9 in
Shipping	89.8 x 28.9 x 47.2 in
Weight	
Printer	271 lb
Shipping	390.2 lb
What's in the box	
	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
HP Software and solutions	
	Printer drivers, HP Click, HP Applications Center, HP DesignJet Utility including HP Color Center
Environmental ranges	
Operating temperature	41 to 104°F
Operating humidity	20 to 80% RH
Storage temperature	-4 to 131°F
Acoustics	
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)
Power	
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)

Certification

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

Product	
ZQU12A	HP DesignJet Z6810 42-in Production Printer
Accessories	
CQ745B	HP DesignJet PostScript/PDF Upgrade Kit
CQ752A	HP DesignJet 42-in Take-up Reel
CQ754A	HP DesignJet 60-in Spindle
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

Original HP printing supplies

B6V15A	HP 771A 775-ml Matte Black DesignJet Ink Cartridge
B6V17A	HP 771A 775-ml Magenta DesignJet Ink Cartridge
B6V18A	HP 771A 775-ml Yellow DesignJet Ink Cartridge
B6V19A	HP 771A 775-ml Light Magenta DesignJet Ink Cartridge
B6V20A	HP 771A 775-ml Light Cyan DesignJet Ink Cartridge
B6V21A	HP 771A 775-ml Photo Black DesignJet Ink Cartridge
B6V22A	HP 771A 775-ml Light Gray DesignJet Ink Cartridge
B6V39A	HP 771A 3-pack 775-ml Matte Black DesignJet Ink Cartridges
B6V41A	HP 771A 3-pack 775-ml Magenta DesignJet Ink Cartridges
B6V42A	HP 771A 3-pack 775-ml Yellow DesignJet Ink Cartridges
B6V43A	HP 771A 3-pack 775-ml Light Magenta DesignJet Ink Cartridges
B6V44A	HP 771A 3-pack 775-ml Light Cyan DesignJet Ink Cartridges
B6V45A	HP 771A 3-pack 775-ml Photo Black DesignJet Ink Cartridges
B6V46A	HP 771A 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 hp.com/go/OriginalHPInks.

Original HP large format printing materials

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.

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
U9WE6E	HP 1 year Post Warranty, Next Business Day plus Defective Media Retention Support
U9WE7E	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>

ECO highlights

- ENERGY STAR® certified¹, EPEAT® Bronze registered as environmentally preferable product²
- Breakthrough color consistency can help reduce unnecessary reprints
- Free, convenient HP ink cartridge and printhead recycling³
- FSC®-certified papers⁴, range of recyclable HP media with a take-back program⁵

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

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

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

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

⁴ 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.

⁵ 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.

¹ Maximum rate of output for color image 100% color coverage. Printed on maximum roll size, 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/hp/ecosolutions> for details.

