HP DesignJet Z6810 Photo 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 212 ft²/hr on glossy and 548 ft²/hr on plain paper.⁵

• 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.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 hp.com/go/DesignJetZ6810

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 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.


³ 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.

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

⁵ Using glossy paper and Normal mode, HP DesignJet Z6810 Production Printers can achieve print speeds up to 212 ft²/hr. Using plain paper and Normal mode, HP DesignJet Z6810 Production Printers can achieve speeds up to 548 ft²/hr.

⁶ Requires an HP Applications Center account, Internet connection, and connected Internet-capable device. For more information, see 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**  
- Maximum print speed: 140 MPPM/150 MPPM on plain media  
- Color images: Normal: 1.5 MPPM/page on all 283 ft²/hr (13.1 m²/hr) on coated media  
- Best: 3.2 MPPM/page on all 283 ft²/hr (13.1 m²/hr) on glossy media  
- Resolution: Up to 2400 x 1200 optimised dpi  
- Technology: HP Thermal Inkjet  
- Margins: 0.2 x 0.2 x 0.2 x 0.2 in (5 x 5 x 5 x 5 mm)  
- Ink types: Pigment-based  
- Ink cartridges: 8 (cyan, magenta, yellow, matte black, photo black, chromatic red, light grey, magenta)  
- Printheads: 8 (light yellow, cyan, magenta, photo black, chromatic red, light grey, magenta)  
- Color accuracy: Median < 1.25 dE2000, 95% of colors < 2.75 dE2000  
- Maximum optical density: 4.5 L* min/2.31 D  
- ICC absolute colorimetric accuracy on HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.  
- Mechanical printing time with Original HP Vivid Photo Inks. Measured on a 60-in printer.  

**Image quality**  
- Weight: 64 GB (virtual)  
- Connectivity:  
  - Interfaces: Gigabit Ethernet (1000Base-T), EIO, iRobot accessory hot  
- Print languages (optional): Adobe PostScript 3, Adobe PDF 1.7, TIFF, PCL  
- Security features: SNMP v3, Control Panel lock levels, Certificates management, IPv6, SSL, Secure disk erase  
- Dimensions (w x d x h):  
  - Printer: 42 x 17.7 x 27.2 x 53.9 in (1070 x 690 x 1350 mm)  
  - Shipping: 42 x 17.7 x 27.2 x 53.9 in (1070 x 690 x 1350 mm)  
- Shipping weight: 78 lb (35.3 kg)  
- What's in the box:  
  - Printer, spindle, printheads, introductory ink cartridges,  
  - ICC absolute colorimetric accuracy on HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.  
  
**Environmental conditions**  
- Operating humidity: 20 to 80% RH  
- Sound pressure: 53 (B(A) re: 1 pascal) in (70 dB(A) in)  
- Power consumption: 75 watts (printing); < 48 watts (ready); < 5.3 watts (sleep); < 2.5 watts (off)  
- Environmental highlights:  
  - ENERGY STAR® qualified. Registered EPEAT Gold  
  - Green Buyback Program:  
    - HP DesignJet 42-in Production Printer  
    - HP DesignJet 60-in Production Printer  
- Warranty: One-year limited hardware warranty  

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**Eco Highlights**  
- Breakthrough color consistency can help reduce unnecessary reprints  
- On-site HP ink cartridge and printhead recycling services  
- Free, convenient HP ink cartridge and printhead recycling  

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**Ordering information**

**Product**  
- Q2J12A HP DesignJet Z6810 42-in Production Printer  
- Q2J14A HP DesignJet Z6810 60-in Production Printer  

**Accessories**  
- G4H61B HP DesignJet 42-in Scanner  
- Q7T4BHP DesignJet PostScript/PDF Upgrade Kit  
- Q7T44E HP DesignJet 60-in Spindle  
- J8025A HP Jetdirect 8400 Print Server  
- Q6714A HP DesignJet 60-in Media Bin  
- Q6715A HP DesignJet User Management Kit  
- L31786AEHP SmartStream PrintServer  
- L31781AEHP SmartStream Print Controller for HP DesignJet 250/360 Production Printers  

**Original HP printheads**  
- P2V97A HP 774 Matte Black/Chromatic Red DesignJet Printhead  
- P2V98A HP 774 Light Magenta DesignJet Printhead  
- P2V99A HP 774 Yellow DesignJet Printhead  
- P2W00A HP 771A Photo Black/Light Gray DesignJet Printhead  

**Original HP ink cartridges and maintenance supplies**  
- B6Y42A HP 771A 775-ml Yellow DesignJet Ink Cartridge  
- B6Y43A HP 771A 775-ml Light Magenta DesignJet Ink Cartridge  
- B6Y44A HP 771A 775-ml Light Cyan DesignJet Ink Cartridge  
- B6Y45A HP 771A 775-ml Photo Black DesignJet Ink Cartridge  
- B6Y46A HP 771A 775-ml Light Gray DesignJet Ink Cartridge  
- B6Y20A HP 774 Photo Black/Light Gray DesignJet Printhead  
- P2V97A HP 774 Matte Black/Chromatic Red DesignJet Printhead  

**Software**  
- Adobe Color Center  
- HP SmartStream Print Server  
- HP Jetdirect 8400 Print Server  
- HP 1 year Post Warranty, Next Business Day plus Defective Media Retention Support  

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**Service and support**  
- HP 3 year Next Business Day plus Defective Media Retention Support  
- HP 5 year Next Business Day plus Defective Media Retention Support  
- HP 5 year Post Warranty, Next Business Day plus Defective Media Retention Support  

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

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