



# HP DesignJet Z6810 Photo 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 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 [hp.com/go/DesignJetZ6810](http://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](http://hp.com/go/learnaboutsupplies)

<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: [www8.hp.com/us/en/large-format-printers/designjet-printers/zseries-rips.html](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 [hppapplicationscenter.com](http://hppapplicationscenter.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>                | Maximum print speed   | 140 m <sup>2</sup> /hr <sup>1</sup> (1500 ft <sup>2</sup> /hr <sup>1</sup> ) on plain media  |  |
|                             | Color images  | Normal: 1.5 min/page <sup>2</sup> on A1/D or up to 283 ft <sup>2</sup> /hr <sup>1</sup> (26.3 m <sup>2</sup> /hr <sup>1</sup> ) on coated media<br>Best: 3.2 min/page <sup>2</sup> on A1/D or up to 141 ft <sup>2</sup> /hr <sup>1</sup> (13.1 m <sup>2</sup> /hr <sup>1</sup> ) on glossy media |  |
|                             | Print resolution  | Up to 2400 x 1200 optimized 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)  |  |
| <b>Image quality</b>        | Color accuracy  | Median < 1.25 dE2000, 95% of colors < 2.75 dE2000 <sup>3</sup>   |  |
|                             | Short term color stability  | < 1 dE2000 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>   |  |
| <b>Media</b>                | Maximum optical density   | 4.5 L* min/2.31 D <sup>4</sup>   |  |
|                             | 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; (42-in: 280 to 1067 mm; 60-in: 280 to 1524 mm)   |  |
|                             | Grammage  | Up to 460 g/m <sup>2</sup>   |  |
| <b>Applications</b>         | Thickness   | Up to 22 mil (Up to 0.6 mm)  |  |
|                             | 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    |  |  |
|                             | <b>Memory</b>   | 64 GB (virtual) <sup>7</sup> ; 500 GB hard disk  |  |
|                             | <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 (included)          |   | Raster drivers for Windows and macOS; PostScript drivers 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  | 42-in: 77.5 x 27.2 x 53.9 in (1970 x 690 x 1370 mm)<br>60-in: 95.7 x 27.2 x 53.9 in (2430 x 690 x 1370 mm) |
| Shipping                    |   | 42-in: 89.8 x 28.9 x 47.2 in (2280 x 735 x 1200 mm)<br>60-in: 105.6 x 29.5 x 47.2 in (2684 x 750 x 1200 mm)  |  |
| <b>Weight</b>               | Printer   | 42-in: 271 lb (123 kg); 60-in: 419 lb (190 kg)   |  |
|                             | Shipping  | 42-in: 390.2 lb (177 kg); 60-in: 489.4 lb (222 kg)   |  |
| <b>What's in the box</b>    | HP DesignJet Z6810 Production Printer, spindles, printheads, introductory ink cartridges, maintenance cartridge, printer stand, media bin <sup>5</sup> , take-up reel <sup>6</sup> , 3-in spindles adapter kit, quick reference guide, setup poster, startup software, power cord |  |  |
| <b>Software included</b>    | Printer drivers, HP Click, HP Applications Center, HP DesignJet Utility including HP Color Center   |  |  |
| <b>Environmental ranges</b> | Operating temperature:  | 41 to 104 °F (5 to 40 °C)  |  |
|                             | Operating humidity:   | 20 to 80% RH   |  |
| <b>Acoustic</b>             | Sound pressure  | 53 dB(A) (printing); 39 dB(A) (ready); 39 dB(A) (sleep)  |  |
|                             | Sound power   | 7.0 B(A) (printing); 5.5 B(A) (ready); 5.5 B(A) (sleep)  |  |
| <b>Power</b>                | Consumption   | 270 watts (printing); < 48 watts (ready); < 5.3 watts (sleep); < 0.3 watts (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 (NYPE); 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   |  |
| <b>Warranty</b>             | One-year limited hardware warranty  |  |  |

<sup>1</sup> Maximum rate of output for color image 100% color coverage. Printed in Economode, on HP Bright White Inkjet Paper (bond), maximum roll size, with Original HP Vivid Photo Inks. Measured on a 60-in printer.  
<sup>2</sup> Mechanical printing time with Original HP Vivid Photo Inks. Measured on a 60-in printer.  
<sup>3</sup> ICC absolute colorimetric accuracy on HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.  
<sup>4</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®-C115319, see [fsc.org](http://fsc.org). HP trademark license code FSC®-C017543, see [fsc.org](http://fsc.org). Not all FSC®-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 [HPLFMedia.com/hp/ecosolutions](http://HPLFMedia.com/hp/ecosolutions) for details.

## Ordering information

|  |   |   |   |
|--|---|---|---|
| <b>Product</b>                                     | ZQU12A  | HP DesignJet Z6810 42-in Production Printer   |   |
|  | ZQU14A  | HP DesignJet Z6810 60-in Production Printer   |   |
| <b>Accessories</b>                                 | 6G6H5B  | HP HD Pro 42-in Scanner   |   |
|  | CQ745B  | HP DesignJet PostScript/PDF Upgrade Kit   |   |
|  | CQ754A  | HP DesignJet 60-in Spindle  |   |
|  | J8025A  | HP Jetdirect 640n Print Server  |   |
|  | Q6714A  | HP DesignJet 60-in Media Bin  |   |
|  | Q6715A  | HP DesignJet User Maintenance Kit   |   |
|  | L3J69AAE  | HP SmartStream Preflight Manager  |   |
|  | L3J79AAE  | HP SmartStream Print Controller for HP DesignJet Z6xx0 Production Printers                    |   |
|  | CQ752A  | HP DesignJet 42-in Take-up Reel   |   |
|  | CQ752A  | HP DesignJet 42-in Spindle  |   |
|  | CQ752A  | HP SD Pro 44-in Scanner   |   |
|  | <b>Original HP printheads</b>                               | P2V97A  | HP 774 Matte Black/Chromatic Red DesignJet Printhead      |
|  |   | P2V98A  | HP 774 Light Magenta/Light Cyan DesignJet Printhead       |
|  |   | P2V99A  | HP 774 Magenta/Yellow DesignJet Printhead                 |
|  |   | P2W00A  | HP 774 Photo Black/Light Gray DesignJet Printhead         |
|  |   | <b>Original HP ink cartridges and maintenance supplies</b>                                    | B6Y15A  |
| B6Y17A   |   |   | HP 771A 775-ml Magenta DesignJet Ink Cartridge            |
| B6Y18A   |   |   | HP 771A 775-ml Yellow DesignJet Ink Cartridge             |
| B6Y19A   |   |   | HP 771A 775-ml Light Magenta DesignJet Ink Cartridge      |
| B6Y20A   |   |   | HP 771A 775-ml Light Cyan DesignJet Ink Cartridge         |
| B6Y21A   |   |   | HP 771A 775-ml Photo Black DesignJet Ink Cartridge        |
| B6Y22A   |   |   | HP 771A 775-ml Light Gray DesignJet Ink Cartridge         |
| B6Y39A   |   |   | HP 771A 3-pack 775-ml Matte Black DesignJet Ink Cartridge |
| B6Y41A   | HP 771A 3-pack 775-ml Magenta DesignJet Ink Cartridge       |   |   |
| B6Y42A   | HP 771A 3-pack 775-ml Yellow DesignJet Ink Cartridge        |   |   |
| B6Y43A   | HP 771A 3-pack 775-ml Light Magenta DesignJet Ink Cartridge |   |   |
| B6Y44A   | HP 771A 3-pack 775-ml Light Cyan DesignJet Ink Cartridge    |   |   |
| B6Y45A   | HP 771A 3-pack 775-ml Photo Black DesignJet Ink Cartridge   |   |   |
| B6Y46A   | HP 771A 3-pack 775-ml Light Gray DesignJet Ink Cartridge    |   |   |
| C1Q21A   | HP 773A 775-ml Matte Black DesignJet Ink Cartridge          |   |   |
| C1Q23A   | HP 773A 775-ml Magenta DesignJet Ink Cartridge              |   |   |
| C1Q24A   | HP 773A 775-ml Yellow DesignJet Ink Cartridge               |   |   |
| C1Q25A   | HP 773A 775-ml Light Magenta DesignJet Ink Cartridge        |   |   |
| C1Q26A   | HP 773A 775-ml Light Cyan DesignJet Ink Cartridge           |   |   |
| C1Q27A   | HP 773A 775-ml Photo Black DesignJet Ink Cartridge          |   |   |
| C1Q28A   | HP 773A 775-ml Light Gray DesignJet Ink Cartridge           |   |   |
| P2W02A   | HP 774 Chromatic Red Ink Cartridge                          |   |   |
| P2W04A   | HP 774 Chromatic Red Ink Cartridge - 3 pack                 |   |   |
| CH644A   | HP 771 DesignJet Maintenance Cartridge                      |   |   |
| <b>Original HP large format printing materials</b> | Q8000A  | HP Premium Instant-dry Satin Photo Paper (FSC® certified) 60 in x 100 ft (1524 mm x 30.5 m)   |   |
|  | Q6578A  | HP Universal Instant-dry Gloss Photo Paper (FSC® certified) 60 in x 100 ft (1524 mm x 30.5 m) |   |
|  | E4J58B  | HP Artist Matte Canvas 60 in x 50 ft (1524 mm x 15.2 m)                                       |   |
|  | Q8750A  | HP Premium Vivid Colour Backlit Film 60 in x 100 ft (1524 mm x 30.5 m)                        |   |
|  | Y3Z20A  | HP Everyday Blockout Display Film 60 in x 100 ft (1524 mm x 30.5 m)                           |   |
|  |   |   |   |

## 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 DesignJet Support Services offer solutions for business critical environments — installation, extended support and maintenance, as well as variety of value-added services. For more information, please visit [hp.com/go/designjetsupport](http://hp.com/go/designjetsupport).

Use HP Vivid Photo Inks and printheads to experience consistent high-quality and reliable performance that enable less downtime and increased productivity. These critical printing system components are designed and engineered together to provide optimized efficiency, a wide color gamut, and prints with over 200 years fade resistance. For more information, visit [hp.com/go/OriginalHPInks](http://hp.com/go/OriginalHPInks).

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

### Eco Highlights

- Breakthrough color consistency can help reduce unnecessary reprints
- Free, convenient HP ink cartridge and printhead recycling<sup>1</sup>
- FSC®-certified papers,<sup>2</sup> range of recyclable HP media with a take-back program<sup>3</sup>
- ENERGY STAR® qualified. Registered EPEAT Bronze<sup>4</sup> for environmentally preferable product

<sup>1</sup> Program availability varies. Please check [hp.com/recycle](http://hp.com/recycle) for details.  
<sup>2</sup> BMG trademark license code FSC®-C115319, see [fsc.org](http://fsc.org). HP trademark license code FSC®-C017543, see [fsc.org](http://fsc.org). Not all FSC®-certified products are available in all regions.  
<sup>3</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 [HPLFMedia.com/hp/ecosolutions](http://HPLFMedia.com/hp/ecosolutions) for details.  
<sup>4</sup> EPEAT registered where applicable/supported. See [epeat.net](http://epeat.net) for registration status by country.

**Please recycle large-format printing hardware and printing supplies. Find out how at our website [hp.com/ecosolutions](http://hp.com/ecosolutions)**

